



Revisionsentwurf zur Ergänzung 3 zu Anhang 4 der Verordnung des EDI vom 22. März 2017 über das elektronische Patientendossier

Austauschformat nach Artikel 4 Absatz 1 EPDV-EDI

Laborbefund

Änderungsnachweis

Die Austauschformate für das elektronische Patientendossier werden durch eHealth Suisse in Art-Decor modelliert. Die aktuellsten Vorgaben sind abrufbar unter: <http://ehealthsuisse.art-decor.org/>.

Da es sich um normative Vorgaben handelt, werden diese zusätzlich durch das BAG in die Ergänzungen zum Anhang 4 der EPDV-EDI überführt.

Version: 0.91
Datum: 14. Juli 2018

Version	Kapitel	Ticket	Anpassung
0.9	ganzes Dokument	-	Überarbeitung des Austauschformats Laborbefund nach der Vernehmlassung, welche am 25. Oktober 2017 zu Ende gegangen ist.
0.91	ganzes Dokument	-	Korrektur Hierarchie-Fehler bei den Template Ids in IHE XDLAB Laboratory Report Data Processing Entry 1.3.6.1.4.1.19376.1.3.1

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1 Templates

1.1 CDA Document Level Templates

1.1.1 General Laboratory Report

Id	2.16.756.5.30.1.1.10.1.10			Effective Date	2018-04-19 Other versions this id:
Status	● Under pre-publication review			Version Label	2018
Name	CDA-CH-LREP-GR-V1			Display Name	General Laboratory Report
Description	Swiss Laboratory Report - General Report				
Context	Pathname /				
Classification	CDA Document Level Template				
Open/Closed	Open (other than defined elements are allowed)				
Uses	Uses 29 templates				
	Uses	as	Name	Version	
	2.16.756.5.30.1.1.10.2.25	Include	● Document Realm (2017)	DYNAMIC	
	2.16.756.5.30.1.1.10.2.18	Include	● Document Template Ids CDA-CH v2.0 - structuredBody (2017)	DYNAMIC	
	2.16.756.5.30.1.1.10.2.55	Include	● Document Template Ids CDA-CH-LREP V1 (2018)	DYNAMIC	
	2.16.756.5.30.1.1.10.2.23	Include	● Document Id (2017)	DYNAMIC	
2.16.756.5.30.1.1.10.2.56	Include	● Document Code (2018)	DYNAMIC		

2.16.756.5.30.1.1.10.2.62	Include	Document Title (2018)	DYNAMIC
2.16.756.5.30.1.1.10.2.19	Include	Document Confidentiality Code (2017)	DYNAMIC
2.16.756.5.30.1.1.10.2.22	Include	Document Language (2017)	DYNAMIC
2.16.756.5.30.1.1.10.2.20	Include	Document Set Id and Version Number (2017)	DYNAMIC
2.16.756.5.30.1.1.10.2.58	Include	Human Patient - recordTarget (2018)	DYNAMIC
2.16.756.5.30.1.1.10.2.26	Include	Non-Human Subject - recordTarget (2017)	DYNAMIC
2.16.756.5.30.1.1.10.2.27	Include	Human Patient with Non-Human Subject - recordTarget (2017)	DYNAMIC
2.16.756.5.30.1.1.10.2.59	Include	Author (2018)	DYNAMIC
2.16.756.5.30.1.1.10.2.7	Include	Data Enterer (2017)	DYNAMIC
2.16.756.5.30.1.1.10.2.60	Include	Custodian (2018)	DYNAMIC
2.16.756.5.30.1.1.10.2.57	Include	Recipient (2018)	DYNAMIC
2.16.756.5.30.1.1.10.2.61	Include	Legal Authenticator (2018)	DYNAMIC
2.16.756.5.30.1.1.10.4.8	Containment	Laboratory Results Validator - authenticator/participant Containment (2017)	DYNAMIC
2.16.756.5.30.1.1.10.2.16	Include	Order Reference - inFulfillmentOf (2017)	DYNAMIC
2.16.756.5.30.1.1.10.2.46	Include	Health Service - documentationOf (2017)	DYNAMIC
2.16.756.5.30.1.1.10.2.28	Include	Laboratory Performer - documentationOf (2017)	DYNAMIC
2.16.756.5.30.1.1.10.2.14	Include	Insurance Card - participant (2017)	DYNAMIC
2.16.756.5.30.1.1.10.2.15	Include	Insurance - participant (2017)	DYNAMIC
2.16.756.5.30.1.1.10.2.13	Include	Document Replacement - relatedDocument (2017)	DYNAMIC
2.16.756.5.30.1.1.10.3.3	Containment	Laboratory Speciality Section - coded (2017)	DYNAMIC
2.16.756.5.30.1.1.10.3.4	Containment	Vital Signs Section - coded (2016)	DYNAMIC
2.16.756.5.30.1.1.10.3.46	Containment	Other Relevant Observations Section - coded (2018)	DYNAMIC

	<p>2.16.756.5.30.1.1.10.3.53 Containment  Current Pregnancy Section - coded (2018) DYNAMIC</p> <p>2.16.756.5.30.1.1.10.3.45 Containment  Original Representation Section - coded (2017) DYNAMIC</p>
Relationship	<p>Specialization: template 2.16.756.5.30.1.1.10.1.14 (DYNAMIC)</p> <p>Specialization: template 2.16.756.5.30.1.1.10.1.9 (DYNAMIC)</p> <p>Specialization: template 2.16.840.1.113883.10.12.2 (2005-09-07)</p>
Example	<p>Example</p> <pre><!-- See https://svn.code.sf.net/p/hl7ch/code/trunk/projects/eHealthSuisse/eLaborbefund/v1.0/ for examples --></pre>

Item	DT	Card	Conf	Description	Label
h17:ClinicalDocument		1 ... 1	M	<p>Swiss Laboratory Report - General Report</p> <p>Conformity rules that are not further modelled in ART-DECOR:</p> <ul style="list-style-type: none"> ▪ XML encoding UTF-8 encoding is required. All CDA-CH V2 documents MUST start with this line: <code><?xml version="1.0" encoding="UTF-8"?></code> ▪ 	(CDA...-V1)

				<p>Phone numbers</p> <p>Phone numbers MUST be declared in the international format.</p> <p>Dots (.) MUST be used as separators for grouping of number blocks.</p> <p>The minus sign (-) MUST be used as a separator between public and internal telephone numbers. Purpose: Some telephone exchanges - especially in the US, allow direct dial-up of an internal telephone number after the actual connection has been established over the public telephone network.</p> <p>Examples:</p> <pre><telecom value="tel:+41.33.123.45.67"/> <telecom value="tel:+1.987.654.3210-999"/></pre>		
<i>Included</i>			1 ... 1	M	from 2.16.756.5.30.1.1.10.2.25 <i>Document Realm</i> (DYNAMIC)	
L _{h17:realmCode}	CS		1 ... 1	M	Swiss Realm (CHE) of HL7 CDA.	CDA-CH V2
L _{@code}	CONF		1 ... 1	F	CHE	
L _{h17:typeId}	II		1 ... 1	M		(CDA...-V1)

└ @root	uid	1 ... 1	F	2.16.840.1.113883.1.3	
└ @extension	st	1 ... 1	F	POCD_HD000040	
<i>Included</i>				from 2.16.756.5.30.1.1.10.2.18 Document Template Ids CDA-CH v2.0 - structuredBody (DYNAMIC)	
└ h17:templateId	II	0 ... 1		CDA-CH v2.0 specification. This is an informational reference, only.	CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.1.1.4	
└ h17:templateId	II	1 ... 1	M	HL7 CDA R2 (2005); contains ClinicalDocument.component as structuredBody.	CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.840.1.113883.10.12.2	
└ h17:templateId	II	1 ... 1	M	HL7 CDA R2 (2005).	CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.840.1.113883.10.12.1	
<i>Included</i>				from 2.16.756.5.30.1.1.10.2.55 Document Template Ids CDA-CH-LREP V1 (DYNAMIC)	




└ h17:templateId	II	0 ... 1		CDA-CH-LREP / Laboratory Reports V1 specification. This is an informational reference, only.	CDA-...LREP
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.1.1.3.9.1	
└ h17:templateId	II	1 ... 1	M	Exchange format according to the Swiss EPR	CDA-...LREP
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.127.1.4	
└ h17:templateId	II	1 ... 1	M	Sharing Laboratory Reports (XD-LAB) Content Module, IHE PaLM Technical Framework Revision Revision 8.0 - June 21, 2017.	CDA-...LREP
└ @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.3.3	
└ h17:templateId	II	1 ... 1	M	CDA-CH-LREP / Laboratory Reports V1 ART-DECOR model for General Report.	(CDA...-V1)
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.1.10	
<i>Included</i>		1 ... 1	M	from 2.16.756.5.30.1.1.10.2.23 <i>Document Id</i> (DYNAMIC)	

L h17:id	II	1 ... 1	M	A unique identifier for each CDA document instance.	CDA-CH V2
☉ hl7chcda-dataelement-217 ● Identification number of the document ● CDA-CH V2 2017					
L @root	uid	1 ... 1	R	The document's id as Globally Unique Identifier (GUID).	
L @extension	st	0	NP	NP/not present	
Included		1 ... 1	M	from 2.16.756.5.30.1.1.10.2.56 <i>Document Code</i> (DYNAMIC)	
L h17:code	CE	1 ... 1	M	A LOINC based document type of a CDA document instance including a translation to the Swiss EPR XDS.b metadata. <ul style="list-style-type: none"> ▪ Multidisciplinary laboratory findings: The LOINC code of the document MUST read: 11502-2 (LABORATORY REPORT.TOTAL) ▪ Laboratory reports of a single laboratory discipline: The LOINC code of the document MUST be taken from the value-set 'Laboratory Specialties' 	IHE PaIM TF3 Rev.8, 6.3.2.5
L @code	cs	1 ... 1	R	The exact value of @code MUST either read '11502-2' or taken from the value-set 'Laboratory Specialties'.	
L @codeSystem	oid	1 ... 1	F	2.16.840.1.113883.6.1	
L @codeSystemName	st	1 ... 1	F	LOINC	
L @displayName	st	1 ... 1	R	The exact value of @displayName MUST either read 'LABORATORY REPORT.TOTAL' or taken from the value-set 'Laboratory Specialties'.	

		CONF			The value of @code shall be drawn from value set 1.3.6.1.4.1.19376.1.3.11.6 <i>Multi-disciplinary Laboratory Report</i> (DYNAMIC) or The value of @code shall be drawn from value set 1.3.6.1.4.1.19376.1.3.11.1 <i>Laboratory Specialties</i> (DYNAMIC)	
└ h17:translation	CD		1 ... 1	R	The translation to the Swiss EPR XDS.b metadata attribute typeCode.	IHE PaIM TF3 Rev.8, 6.3.2.5
└ @code	cs		1 ... 1	F	4241000179101	
└ @codeSystem	oid		1 ... 1	F	2.16.840.1.113883.6.96	
└ @codeSystemName	st		1 ... 1	F	SNOMED CT	
└ @displayName	st		1 ... 1	F	Laboratory report	
		CONF			The value of @code shall be drawn from value set 2.16.756.5.30.1.127.3.10.1.27 <i>EprDocumentTypeCode</i> (DYNAMIC)	
<i>Included</i>			1 ... 1	M	from 2.16.756.5.30.1.1.10.2.62 <i>Document Title</i> (DYNAMIC)	
└ h17:title	ST		1 ... 1	M	The document title must follow the following text format where <human readable code> is the local translation of the document LOINC code: <ul style="list-style-type: none"> ▪ [de]: 'Laborbefund - <human readable code>' ▪ [fr]: 'Rapport de laboratoire - <human readable code>' ▪ [it]: 'Referto di laboratorio - <human readable code>' 	CDA-...LREP

				▪ [en]: 'Laboratory report - <human readable code>'	
	Variable let	Name	languageCode		
		Value	substring(/hl7:ClinicalDocument/hl7:languageCode/@code,1,2)		
	Schematron assert	role	error		
		test	not(\$languageCode='en') or starts-with(text(),'Laboratory report')		
		Message	The English title must start with 'Laboratory report'		
	Schematron assert	role	error		
		test	not(\$languageCode='de') or starts-with(text(),'Laborbefund')		
		Message	The German title must start with 'Laborbefund'		
	Schematron assert	role	error		
		test	not(\$languageCode='fr') or starts-with(text(),'Rapport de laboratoire')		
		Message	The French title must start with 'Rapport de laboratoire'		
	Schematron assert	role	error		
		test	not(\$languageCode='it') or starts-with(text(),'Rapporto di laboratorio')		
		Message	The Italian title must start with 'Rapporto di laboratorio'		
↳ h17:effectiveTime	TS.CH.TZ	1 ... 1	M	ClinicalDocument/effectiveTime MUST exist. It contains the creation date and time of the laboratory report. If this document replaces a previous version (linked via parentDocument), this is the date and time of the new version.	(CDA...-V1)
Included		1 ... 1	M	from 2.16.756.5.30.1.1.10.2.19 Document Confidentiality Code (DYNAMIC)	


L h17:confidentialityCode	CE (required)	1 ... 1	M	Swiss Realm of Confidentiality Code according to the Swiss EPR regulation.	CDA-CH V2
hl7chcda-dataelement-222 Confidentiality level CDA-CH V2 2017					
L @code	cs	1 ... 1	R	The value of @code MUST be drawn from value set EprDocumentConfidentialityCode (2.16.756.5.30.1.127.3.10.1.5)	
L @codeSystem	oid	1 ... 1	F	2.16.840.1.113883.6.96	
L @codeSystemName	st	1 ... 1	F	SNOMED CT	
L @displayName	st	1 ... 1	R	The value of @displayName MUST be drawn from value set EprDocumentConfidentialityCode (2.16.756.5.30.1.127.3.10.1.5)	
	CONF			The value of @code shall be drawn from value set 2.16.756.5.30.1.127.3.10.1.5 <i>EprDocumentConfidentialityCode</i> (DYNAMIC)	
Included		1 ... 1	M	from 2.16.756.5.30.1.1.10.2.22 <i>Document Language</i> (DYNAMIC)	
L h17:languageCode	CS	1 ... 1	M	The RFC 1766 (ISO-639-1 and ISO 3166) based language in which the narrative texts in this CDA document instance are written.	CDA-CH V2
hl7chcda-dataelement-219 Language of the document CDA-CH V2 2017					
	CONF			The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.11526 <i>HumanLanguage</i> (DYNAMIC)	
Included		1 ... 1	M	from 2.16.756.5.30.1.1.10.2.20 <i>Document Set Id and Version Number</i> (DYNAMIC)	

<p>└ h17:setId</p>	<p>II</p>	<p>1 ... 1</p>	<p>M</p>	<p>The setId element MUST match the document id of the very first version of that document. It MUST remain the same for all document versions.</p>	<p>CDA-CH V2</p>
<p>└ @root</p>	<p>uid</p>	<p>1 ... 1</p>	<p>R</p>	<p>The root attribute MUST contain the setId as Globally Unique Identifier (GUID).</p>	
<p>└ @extension</p>	<p>st</p>	<p>0</p>	<p>NP</p>	<p>NP/not present</p>	
<p>Schematron assert</p>		<p>role</p>	<p>● error</p>	<p>(parent::*hl7:versionNumber[@value='1'] and @root=parent::*hl7:id/@root and (@extension=parent::*hl7:id/@extension or (not(@extension) and not(parent::*hl7:id/@extension)))) or (parent::*hl7:versionNumber[not(@value='1')] and ((@root=parent::*hl7:id/@root and @extension and not(@extension=parent::*hl7:id/@extension)) or(not(@root=parent::*hl7:id/@root))))</p> <p>The setId MUST be equal with the document id for version 1 and it MUST differ for all other versions.</p>	
		<p>test</p>			
		<p>Message</p>			
<p>└ h17:versionNumber</p>	<p>INT.NONNEG</p>	<p>1 ... 1</p>	<p>M</p>	<p>The versionNumber element MUST contain the value 1 for the very first version of that document. For later versions, the version number MUST be increased by 1 each.</p>	<p>CDA-CH V2</p>
<p>  hl7chcda-dataelement-223  Version  CDA-CH V2 2017 </p>					
<p>Choice</p>	<p>1 ... 1</p>		<p>recordTarget MUST be present in one of the following characteristics:</p> <ul style="list-style-type: none"> Human Patient: The laboratory report contain test results from samples taken exclusively from a human patient. Non-Human Subject: The laboratory report contains test results from samples taken from a non-human material (e.g., water, milk, etc.) or a living being (e.g., animal), but not related to a human patient. 		

<i>Included</i>			0 ... 1		<ul style="list-style-type: none"> Human Patient with Non-Human Subject: The laboratory report contains test results from samples taken from a non-human material that is related to a human patient (e.g., food eaten by the patient or animal that has bitten the patient). <p>Elements to choose from:</p> <ul style="list-style-type: none"> hl7:recordTarget included from template 2.16.756.5.30.1.1.10.2.58 <i>Human Patient - recordTarget</i> (DYNAMIC) hl7:recordTarget included from template 2.16.756.5.30.1.1.10.2.26 <i>Non-Human Subject - recordTarget</i> (DYNAMIC) hl7:recordTarget included from template 2.16.756.5.30.1.1.10.2.27 <i>Human Patient with Non-Human Subject - recordTarget</i> (DYNAMIC) <p>from 2.16.756.5.30.1.1.10.2.58 <i>Human Patient - recordTarget</i> (DYNAMIC) Human Patient: The laboratory results contain test results from samples taken exclusively from a human patient. All persons (including patients) and organizations, MUST according to XD-LAB contain name, addr and telecom.</p>	
	└ hl7:recordTarget		0 ... 1	R	Patient (Human Patient).	CDA-...LREP
	└ hl7:templateId	II	1 ... 1	M		CDA-...LREP
	└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.58	

<code>└ h17:templateId</code>	II	1 ... 1	M		CDA-...LREP
<code>└ @root</code>	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.1	
<code>└ h17:patientRole</code>		1 ... 1	R	Exactly one patient MUST be declared.	CDA-...LREP
<code>└ h17:id</code>	II	1 ... *	R	At least one patient identification MUST be declared.	CDA-...LREP
<code>└ @root</code>	uid	1 ... 1	R	MUST contain the OID of the system that issued the ID. OIDs of code systems, which are published in the public OID registry for the Swiss health care system (oid.refdata.ch) are REQUIRED. Others are NOT ALLOWED.	
<code>└ @extension</code>	st	0 ... 1		Contains the patient number itself. The number MUST be unique within the system that has issued the number.	
<code>└ h17:addr</code>	AD	1 ... *	R	All persons (including patients) and organizations, MUST according to XD-LAB contain name, addr and telecom. Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA-...LREP
<code>└ h17:telecom</code>	TEL	1 ... *	R	All persons (including patients) and organizations, MUST according to XD-LAB contain name, addr and telecom.	CDA-...LREP

<code>L h17:patient</code>		1 ... 1	R	Exactly one patient MUST be declared.	CDA-...LREP
<code>L h17:name</code>	PN	1 ... *	R	All persons (including patients) and organizations, MUST according to XD-LAB contain name, addr and telecom.	CDA-...LREP
<code>L h17:administrativeGenderCode</code>	CE	1 ... 1	R	The sex of the patient MUST be indicated according to XD-LAB.	CDA-...LREP
	CONF	The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.1 <i>AdministrativeGender</i> (DYNAMIC)			
<code>L h17:birthTime</code>	TS	1 ... 1	R	The date of birth of the patient MUST be given according to XD-LAB.	CDA-...LREP
<i>Included</i>		0 ... 1		from 2.16.756.5.30.1.1.10.2.26 <i>Non-Human Subject - recordTarget</i> (DYNAMIC) Non-Human Subject: The laboratory report contains test results from samples taken from a non-human material (e.g., water, milk, etc.) or a living being (e.g., animal), but not related to a human patient.	
<code>L h17:recordTarget</code>		0 ... 1	R	Non-Human Subject.	IHE PaIM TF3 Rev.8, 6.3.2.11.2

└ h17:templateId	II	1 ... 1	M		IHE PaIM TF3 Rev.8, 6.3.2.11.2
└ @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.3.3.1.2	
	Schematron assert	role	 error		
		test	//h17:templateId[@root='1.3.6.1.4.1.19376.1.3.3.1.2.1']		
		Message	In addition to the elements specified in the CDA header for the non-human subject, this non-human subject SHALL be represented in a Subject element in level 3 entries in the structuredBody.		
└ h17:templateId	II	1 ... 1	M		IHE PaIM TF3 Rev.8, 6.3.2.11.2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.26	
└ h17:patientRole		1 ... 1	R		IHE PaIM TF3 Rev.8, 6.3.2.11.2
└ h17:id	II	1 ... *	R		IHE PaIM TF3 Rev.8, 6.3.2.11.2
└ @root	uid	1 ... 1	R	MUST contain the OID of the system that issued the number. OIDs of code systems, which are published in the public OID registry for the Swiss health care system	

	<code>@extension</code>	st	0 ... 1		(oid.refdata.ch) are REQUIRED. Others are NOT ALLOWED.	
	<code>h17:patient</code>		1 ... 1		Contains the actual number of non-human material. The number MUST be unique within the system that issued the number.	IHE PaIM TF3 Rev.8, 6.3.2.11.2
	<code>@nullFlavor</code>	CS	1 ... 1	F	OTH	
<i>Included</i>			0 ... 1		Indicates that there are laboratory tests for this non-human material in the CDA Body. from 2.16.756.5.30.1.1.10.2.27 <i>Human Patient with Non-Human Subject - recordTarget</i> (DYNAMIC) Human Patient with Non-Human Subject: The laboratory report contains test results from samples taken from a non-human material that is related to a human patient (e.g., food eaten by the patient or animal that has bitten the patient).	
	<code>h17:recordTarget</code>		0 ... 1	R	Human Patient with Non-Human Subject.	IHE PaIM TF3 Rev.8, 6.3.2.11.3
	<code>h17:templateId</code>	II	1 ... 1	M		IHE PaIM TF3 Rev.8, 6.3.2.11.3
	<code>@root</code>	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.3.3.1.3	
	Schematron assert	role		error		
		test			//h17:templateId[@root='1.3.6.1.4.1.19376.1.3.3.1.3']	

			Message	In addition to the elements specified in the CDA header for the patient, the non-human subject SHALL be represented in a Subject element in level 3 entries in the structuredBody.	
└ h17:templateId	II	1 ... 1	M		IHE PaLM TF3 Rev.8, 6.3.2.11.3
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.27	
└ h17:patientRole		1 ... 1	R	Exactly one patient MUST be declared.	IHE PaLM TF3 Rev.8, 6.3.2.11.3
└ h17:id	II	1 ... *	R	At least one patient identification MUST be declared. Note: The identification of the non-human material MUST NOT be declared here. This can not be specified within the same document. See also: IHE PaLM TF3, section 6.3.2.11.3. If the identification of the non-human material is important (for example in rabies), two separate documents should be created (one with the human patient and one with the non-human material).	IHE PaLM TF3 Rev.8, 6.3.2.11.3
└ @extension	st	1 ... 1	R	MUST contain the actual number of non-human material. The number MUST be unique within the system that issued the number.	
└ @root	uid	1 ... 1	R	MUST contain the OID of the system that issued the number. OIDs of code systems, which are published in the public OID registry for the Swiss health care system (oid.refdata.ch) are REQUIRED. Others are NOT ALLOWED.	

<code>L h17:addr</code>	AD	1 ... *	R	All persons (including patients) and organizations, MUST contain according to XD-LAB name, addr and telecom.	IHE PaIM TF3 Rev.8, 6.3.2.11.3
<code>L h17:telecom</code>	TEL	1 ... *	R	All persons (including patients) and organizations, MUST contain according to XD-LAB name, addr and telecom.	IHE PaIM TF3 Rev.8, 6.3.2.11.3
<code>L h17:patient</code>		1 ... 1	R	Exactly one patient MUST be declared.	IHE PaIM TF3 Rev.8, 6.3.2.11.3
<code>L h17:name</code>	PN	1 ... *	R	All persons (including patients) and organizations, MUST contain according to XD-LAB name, addr and telecom.	IHE PaIM TF3 Rev.8, 6.3.2.11.3
<code>L h17:administrativeGenderCode</code>	CE	1 ... 1	R		IHE PaIM TF3 Rev.8, 6.3.2.11.3

CONF

The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.1 *AdministrativeGender* (DYNAMIC)


<code>└ h17:birthTime</code>	TS	1 ... 1	R		IHE PaIM TF3 Rev.8, 6.3.2.11.3
<i>Included</i>		1 ... *	M	from 2.16.756.5.30.1.1.10.2.59 <i>Author</i> (DYNAMIC)	
<code>└ h17:author</code>		1 ... *	M	Information about the author of the document. The author MAY be a person or a device. At least one author MUST be declared.	CDA-...LREP
<code>└ h17:templateId</code>	II	1 ... 1	M		CDA-...LREP
<code>└ @root</code>	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.59	
<code>└ h17:templateId</code>	II	1 ... 1	M		CDA-...LREP
<code>└ @root</code>	uid	1 ... 1	F	2.16.756.5.30.1.1.10.9.23	
<code>└ h17:functionCode</code>	CE	1 ... 1	R	The functionCode MUST be taken from the Swiss EPR Value-Set for author roles. See FDHA Ordinance on the Electronic Patient Record (EPRO-FDHA), Appendix 3: Metadata, Section 2.1. If the desired functionCode is not available in the Swiss EPR Value-Set for author roles, nullFlavor='NAV' MUST be used. In this case, the originalText element MUST contain the description of the role. Translations to other vocabularies are allowed.	CDA-...LREP


└ @nullFlavor	st	0 ... 1	F	NAV
└ @code	cs	0 ... 1		
└ @codeSystem	oid	0 ... 1	F	2.16.840.1.113883.6.96
└ @codeSystemName	st	0 ... 1	F	SNOMED CT
└ @displayName	st	0 ... 1		

CONF	The value of @code shall be drawn from value set 2.16.756.5.30.1.127.3.10.1.1.3 <i>EprAuthorRole</i> (DYNAMIC)	
Example	<code><functionCode code="106292003" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Professional nurse"/></code>	
Example	<code><functionCode nullFlavor="NAV"> <originalText>Home helper</originalText> </functionCode></code>	
Example	<code><functionCode nullFlavor="NAV"> <originalText>Laboratory technician</originalText> <translation code="3212" codeSystem="2.16.840.1.113883.2.9.6.2.7" codeSystemName="ISCO-08" displayName="Medical and pathology laboratory technicians"/> </functionCode></code>	
Schematron assert	role	 error
	test	(@code and @codeSystem) or (@nullFlavor='NAV')
	Message	Either a code with its code system or nullFlavor='NAV' is required.
Schematron assert	role	 error
	test	not(@nullFlavor) or (hl7:originalText)
	Message	Other Caregivers description MUST be declared in the originalText element in case of nullFlavor.

<code>└ h17:translation</code>		0 ... *		A translation of the code to another coding system (e.g. ISCO-08: 2.16.840.1.113883.2.9.6.2.7)	CDA-...LREP
<code>└ @code</code>	CS	1 ... 1	R		
<code>└ @codeSystem</code>	oid	1 ... 1	R		
<code>└ @codeSystemName</code>	st	1 ... 1	R		
<code>└ @displayName</code>	st	1 ... 1	R		
<code>└ h17:translation</code>		0 ... 1		Use this translation when the author is the patient itself (e.g. by reporting a self medication or a medical problem).	CDA-...LREP
<code>└ @code</code>	CS	1 ... 1	F	116154003	
<code>└ @codeSystem</code>	oid	1 ... 1	F	2.16.840.1.113883.6.96	
<code>└ @codeSystemName</code>	st	1 ... 1	F	SNOMED CT	
<code>└ @displayName</code>	st	1 ... 1	F	Patient (person)	
<code>└ h17:time</code>	TS.CH.TZ	1 ... 1	R	Date and time of the laboratory report creation.	CDA-...LREP








<p>└ h17:assignedAuthor</p>		<p>1 ... 1</p>	<p>R</p>		<p>CDA-...LREP</p>
	<p>Schematron assert</p>	<p>role</p>	<p>● error</p>		
		<p>test</p>		<p>not(hl7:assignedAuthoringDevice/hl7:softwareName) or (hl7:representedOrganization)</p>	
		<p>Message</p>		<p>For device authors the element representedOrganization is REQUIRED.</p>	
	<p>Schematron assert</p>	<p>role</p>	<p>● error</p>		
		<p>test</p>		<p>(hl7:telecom[@use='PUB' and starts-with(@value,'tel:+')]) and (hl7:telecom[@use='PUB' and starts-with(@value,'mailto:')])</p>	
		<p>Message</p>		<p>A public telephone number in the international format and a public eMail address are required.</p>	
	<p>Schematron assert</p>	<p>role</p>	<p>● error</p>		
		<p>test</p>		<p>(hl7:addr[@use='PUB'])</p>	
		<p>Message</p>		<p>A public address is required.</p>	
<p>└ h17:id</p>	<p>II</p>	<p>1 ... 1</p>	<p>R</p>	<p>The specification of GS1 GLN is REQUIRED. If it is not (yet) known, this MUST be declared using nullFlavor. For persons: their personal GLN MUST be declared. For devices or software modules: the GLN of their organization MUST be declared.</p>	<p>CDA-...LREP</p>
<p>└ @nullFlavor</p>	<p>CS</p>	<p>0 ... 1</p>	<p>F</p>	<p>NAV</p>	
				<p>Temporarily unknown, will be filled later.</p>	
<p>└ @root</p>	<p>CS</p>	<p>0 ... 1</p>	<p>F</p>	<p>2.51.1.3 OID for GS1 GLN.</p>	

L @extension	st	0 ... 1		The GS1 GLN.	
			role	 error	
	Schematron assert		test	(@root='2.51.1.3' and @extension) or (@nullFlavor='NAV')	
			Message	Either the GS1 GLN or nullFlavor='NAV' is REQUIRED	
L h17:id	II	0 ... *		Other ids are allowed.	CDA-...LREP
L @root	cs	1 ... 1	R	The OID of the system that issued the id. OIDs of code systems, which are published in a public OID registry are REQUIRED. Others are NOT ALLOWED.	
L @extension	st	0 ... 1		The id itself. It MUST be unique within the issuing system.	
L h17:addr	AD	1 ... *		Address of the laboratory. Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA-...LREP
L h17:telecom	TEL	1 ... *		Means of communication of the laboratory (phone, eMail, ...).	CDA-...LREP
<i>Choice</i>		1 ... 1		Elements to choose from: <ul style="list-style-type: none"> h17:assignedPerson containing template 2.16.756.5.30.1.1.10.9.34 <i>Person Name Information Compilation - eCH-0011</i> (DYNAMIC) h17:assignedAuthoringDevice containing template 2.16.756.5.30.1.1.10.9.21 <i>Device Compilation with name</i> (DYNAMIC) 	

└ h17:assignedPerson		0 ... 1		The author as a person. Contains 2.16.756.5.30.1.1.10.9.34 <i>Person Name Information Compilation - eCH-0011</i> (DYNAMIC)	CDA-...LREP
└ h17:assignedAuthoringDevice		0 ... 1		The author as a device. Contains 2.16.756.5.30.1.1.10.9.21 <i>Device Compilation with name</i> (DYNAMIC)	CDA-...LREP
└ h17:representedOrganization		0 ... 1		The author's organization. Contains 2.16.756.5.30.1.1.10.9.27 <i>Organization Compilation with name, addr, telecom</i> (DYNAMIC)	CDA-...LREP
	Schematron assert	role	 error		
		test	/h17:ClinicalDocument/h17:author/h17:functionCode/h17:translation[@code='3212' and @codeSystem='2.16.840.1.113883.2.9.6.2.7']		
		Message	At least one of the listed authors MUST be a laboratory specialist.		
<i>Included</i>		0 ... 1		from 2.16.756.5.30.1.1.10.2.7 <i>Data Enterer</i> (DYNAMIC)	
└ h17:dataEnterer		0 ... 1		Information about the person that entered information in this CDA document. It SHALL be declared, when data recorded in this document has been entered by a person other than the author but only when this is relevant for some reason.	CDA-CH V2
└ h17:templateId	II	1 ... 1	M		CDA-CH V2

└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.7	
└ h17:time	TS.CH.TZ	0 ... 1		Timestamp of the data input.	CDA-CH V2
└ h17:assignedEntity		1 ... 1	R	Contains 2.16.756.5.30.1.1.10.9.12 <i>Assigned Entity Compilation with id</i> (DYNAMIC)	CDA-CH V2
Included		1 ... 1	M	from 2.16.756.5.30.1.1.10.2.60 <i>Custodian</i> (DYNAMIC)	
└ h17:custodian		1 ... 1	M		CDA-...LREP
└ h17:templateId	II	1 ... 1	M		CDA-...LREP
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.3	
└ h17:templateId	II	1 ... 1	M		CDA-...LREP
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.60	

└ h17:assignedCustodian		1 ... 1	R		CDA-...LREP
└ h17:representedCustodianOrganization		1 ... 1	R		CDA-...LREP
	Schematron assert	role	● error		
		test	(h17:telecom[@use='PUB' and starts-with(@value,'tel:+')])		
		Message	A public telephone number in the international format is required.		
	Schematron assert	role	● error		
		test	(h17:addr[@use='PUB'])		
		Message	A public address is required.		
└ h17:id	II	1 ... *	R	The specification of GS1 GLN is required. If it is not (yet) known, this must be declared using nullFlavor.	CDA-...LREP
└ @nullFlavor	CS	0 ... 1	F	NAV	
				Temporarily unknown, will be filled later.	
└ @root	CS	0 ... 1	F	2.51.1.3	
				OID for GS1 GLN	
└ @extension	st	0 ... 1		The GS1 GLN of the laboratory or the doctor's office (in the case of individual practices, the doctor's GLN).	

			role	 error		
			Schematron assert	test	(@root='2.51.1.3' and @extension) or (@nullFlavor='NAV')	
			Message	Either the GS1 GLN or nullFlavor='NAV' is required.		
 h17:id	II	0 ... *	C	SASIS number (ge:ZSR / fr:RCC), if the lab services are to be refunded by the insurance.		CDA-...LREP
 @root	CS	1 ... 1	F	2.16.756.5.30.1.123.100.2.1.1		
 @extension	st	1 ... 1	R	OID for SASIS number (ge:ZSR / fr:RCC). SASIS number (ge:ZSR / fr:RCC) of the laboratory or the physician.		
 h17:name	ON	1 ... 1	R	Name of the laboratory.		CDA-...LREP
 h17:telecom	TEL	1 ... *	R	Means of communication of the laboratory (phone., eMail, ...).		CDA-...LREP
 h17:addr	AD	1 ... *	R	Address of the laboratory. Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)		CDA-...LREP
Included		1 ... *	M	from 2.16.756.5.30.1.1.10.2.57 <i>Recipient</i> (DYNAMIC)		

└ h17:informationRecipient		1 ... *	M	The laboratory report MUST contain at least one receiver.	CDA-...LREP
└ @typeCode	cs	1 ... 1	R	The main recipient of the document MUST be specified using typeCode 'PRCP' (primary recipient). Other receivers (copy to; Cc) MUST be specified using typeCode 'TRC' (tracker).	
	CONF			The value of @typeCode shall be drawn from value set 2.16.840.1.113883.1.11.19366 x_Information-Recipient (DYNAMIC)	
└ h17:templateId	II	1 ... 1	M		CDA-...LREP
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.4	
└ h17:templateId	II	1 ... 1	M		CDA-...LREP
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.57	
└ h17:templateId	II	1 ... 1	M		CDA-...LREP
└ @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.3.3.1.4	

└ h17:intendedRecipient		1 ... 1	M	The laboratory report MUST contain at least one receiver.	CDA-...LREP
└ h17:addr	AD	1 ... *	R	An address MUST be present according to XD-LAB. Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA-...LREP
└ h17:telecom	TEL	1 ... *	R	A communication mean MUST be present according to XD-LAB.	CDA-...LREP
└ h17:informationRecipient		0 ... 1		If the person of the recipient is used, it MUST according to XD-LAB declare a name. Contains 2.16.756.5.30.1.1.10.9.34 <i>Person Name Information Compilation - eCH-0011</i> (DYNAMIC)	CDA-...LREP
└ h17:receivedOrganization		0 ... 1		If the organization of the recipient is used, it MUST according to XD-LAB declare name, addr and telecom. Contains 2.16.756.5.30.1.1.10.9.27 <i>Organization Compilation with name, addr, telecom</i> (DYNAMIC)	CDA-...LREP
	Schematron assert	role	● error		
		test		h17:informationRecipient[not(@nullFlavor)] or h17:receivedOrganization[not(@nullFlavor)]	
		Message		Either the recipients person or organization MUST be declared.	
Included		0 ... 1		from 2.16.756.5.30.1.1.10.2.61 <i>Legal Authenticator</i> (DYNAMIC)	

└ h17:legalAuthenticator		0 ... 1		Legal authenticator.	CDA-...LREP
└ h17:templateId	II	1 ... 1	M		CDA-...LREP
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.61	
└ h17:templateId	II	1 ... 1	M		CDA-...LREP
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.5	
└ h17:time	TS.CH.TZ	1 ... 1	R	Date of the signature.	CDA-...LREP
└ h17:signatureCode	CS	1 ... 1	R		CDA-...LREP
└ @code	CS	1 ... 1	F	S	

└ @codeSystem	oid	1 ... 1	F	2.16.840.1.113883.1.11.10282		
└ @codeSystemName	st	1 ... 1	F	ParticipationSignature		
└ @displayName	st	1 ... 1	F	signed		
	CONF	The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.10282 <i>ParticipationSignature</i> (DYNAMIC)				
└ h17:assignedEntity		1 ... 1	R	The GLN MUST be used to identify the legal authenticator (e.g., laboratory manager or responsible physician). All persons and organizations, MUST according to XD-LAB contain name, addr and telecom. Contains 2.16.756.5.30.1.1.10.9.47 <i>AssignedEntity Compilation for Laboratory</i> (DYNAMIC)	CDA-...LREP	
└ h17:authenticator		0 ... *		Contains 2.16.756.5.30.1.1.10.4.8 <i>Laboratory Results Validator - authenticator/participant Containment</i> (DYNAMIC)	(CDA...-V1)	
where [h17:participantRole]						
Included		0 ... 1		from 2.16.756.5.30.1.1.10.2.16 <i>Order Reference - inFulfillmentOf</i> (DYNAMIC)		
└ h17:inFulfillmentOf		0 ... 1		Reference to one or more orders which led to the creation of this CDA document. It SHALL be declared, when the order reference is relevant for some reason.	CDA-CH V2	
└ h17:templateId	II	1 ... 1	M		CDA-CH V2	

<code>└ @root</code>	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.16	
<code>└ h17:order</code>		1 ... 1	R		CDA-CH V2
<code>└ h17:id</code>	II	1 ... *	R	Order number.	CDA-CH V2
<code>└ @root</code>	uid	1 ... 1	R	Either the same GUID (order id) or the same OID (order issuing system) as the order itself.	
<code>└ @extension</code>	st	0 ... 1		Contains the order ID itself. The ID MUST be unique within the system that issued the ID.	
<i>Included</i>		0 ... 1		from 2.16.756.5.30.1.1.10.2.46 <i>Health Service - documentationOf</i> (DYNAMIC)	
<code>└ h17:documentationOf</code>		0 ... 1		Information about a health service describing the context of this CDA document.	CDA-CH V2
<code>└ @typeCode</code>	CS	1 ... 1	F	DOC	
<code>└ h17:templateId</code>	II	1 ... 1	M		CDA-CH V2
<code>└ @root</code>	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.46	

<code>L</code> <code>h17:serviceEvent</code>		1 ... 1	R		CDA-CH V2
<code>L</code> <code>@classCode</code>	CS	1 ... 1	F	ACT	
<code>L</code> <code>@moodCode</code>	CS	1 ... 1	F	EVN	
<code>L</code> <code>h17:id</code>	II	0 ... *		Health service identifiers such as case number ([ge]: Fallnummer; [fr]: Numéro de cas), consultation id, episode id, etc.	CDA-CH V2
<code>L</code> <code>@root</code>	uid	1 ... 1	R	The OID of the system that issued the id. OIDs of code systems, which are published in a public OID registry are REQUIRED. Others are NOT ALLOWED.	
<code>L</code> <code>@extension</code>	st	0 ... 1		The id itself. It MUST be unique within the issuing system.	
<code>L</code> <code>h17:code</code>	CE	1 ... 1	R	As long as the eventCodeList for the Swiss EPR metadata is not defined yet by the FDHA Ordinance on the Electronic Patient Record (EPRO-FDHA), the nullFlavor='NAV' MUST be used in this template. Other codes MAY be declared as translation.	CDA-CH V2
<code>L</code> <code>@nullFlavor</code>	st	1 ... 1	F	NAV	
<code>L</code> <code>@code</code>	cs	0	NP	NP/not present	
<code>L</code> <code>@codeSystem</code>	oid	0	NP	NP/not present	
<code>L</code> <code>@codeSystemName</code>	st	0	NP	NP/not present	

<code>└ @displayName</code>	st	0	NP	NP/not present	
<code>└ h17:translation</code>		0 ... *		A translation of the code to another coding system.	CDA-CH V2
<code>└ @code</code>	cs	1 ... 1	R		
<code>└ @codeSystem</code>	oid	1 ... 1	R		
<code>└ @codeSystemName</code>	st	1 ... 1	R		
<code>└ @displayName</code>	st	1 ... 1	R		
<code>└ h17:effectiveTime</code>	IVL_TS.CH.TZ	1 ... 1	R	Duration of the health service.	CDA-CH V2
<code>└ h17:low</code>	TS.CH.TZ	1 ... 1	R	Start of the health service.	CDA-CH V2
<code>└ h17:high</code>	TS.CH.TZ	1 ... 1	R	End of the health service.	CDA-CH V2
<i>Included</i>		0 ... *		from 2.16.756.5.30.1.1.10.9.31 <i>Performer</i> (DYNAMIC)	

<code>L h17:performer</code>		0 ... *		Information about a healthcare provider who was the primary performer of the act.	CDA-CH V2
<code>L @typeCode</code>	CS	1 ... 1	F	PRF	
<code>L h17:templateId</code>	II	1 ... 1	M		CDA-CH V2
<code>L @root</code>	uid	1 ... 1	F	2.16.756.5.30.1.1.10.9.31	
<code>L h17:templateId</code>		1 ... 1	R		CDA-CH V2
<code>L @root</code>	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.5.3.1.1.24.3.5	
<code>L h17:functionCode</code>	CE	1 ... 1	R	The functionCode MUST be taken from the Swiss EPR Value-Set for author roles. See FDHA Ordinance on the Electronic Patient Record (EPRO-FDHA), Appendix 3: Metadata, Section 2.1. If the desired functionCode is not available in the Swiss EPR Value-Set for author roles, the code 133932002 (Other Caregiver) MUST be used. In this case, the originalText element MUST contain the description of the role. Translations to other vocabularies are allowed.	CDA-CH V2
<code>L @code</code>	CS	1 ... 1	R		

	<code>@codeSystem</code>	oid	1 ... 1	F	2.16.840.1.113883.6.96		
	<code>@codeSystemName</code>	st	1 ... 1	F	SNOMED CT		
	<code>@displayName</code>	st	1 ... 1	R			
		CONF	The value of <code>@code</code> shall be drawn from value set 2.16.756.5.30.1.127.3.10.1.1.3 <i>EprAuthorRole</i> (DYNAMIC)				
	Example		<code><functionCode code="106292003" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Professional nurse"/></code>				
	Example		<code><functionCode code="133932002" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Other Caregiver"> <originalText>Home helper</originalText> </functionCode></code>				
	Example		<code><functionCode code="133932002" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Other Caregiver"> <originalText>Laboratory technician</originalText> <translation code="3212" codeSystem="2.16.840.1.113883.2.9.6.2.7" codeSystemName="ISCO-08" displayName="Medical and pathology laboratory technicians"/> </functionCode></code>				
	Schematron assert	role			error		
		test			<code>not(@code='133932002') or (hl7:originalText/text())</code>		
		Message			Other Caregivers description MUST be declared in the originalText element.		
<i>Included</i>			0 ... 1	C	from 2.16.756.5.30.1.1.10.9.49 <i>Original Text Reference</i> (DYNAMIC) The human-readable text MUST be generated automatically from the structured information of this element. The text element MUST contain the reference to the corresponding text in the human readable part, ONLY.		
	<code>hl7:originalText</code>	ED	0 ... 1	C		CDA-CH V2	

<code>h17:reference</code>	TEL	1 ... 1	M	The reference to the corresponding text in the human readable part must be specified by reference to content[@ID]: reference[@value='#xxx']	CDA-CH V2
<code>@value</code>	Schematron assert Variable let Schematron assert Schematron assert	1 ... 1	R	Reference to the narrative part of the section in the format '#xxx', where xxx is the ID of the corresponding <content></content> element. role error test starts-with(@value,'#') Message The @value attribute content MUST conform to the format '#xxx', where xxx is the ID of the corresponding <content/> element. Name idvalue Value substring-after(@value,'#') role error test ancestor::h17:structuredBody//*[@ID=\$idvalue] Message No narrative text found for this reference (no content element within this document has an ID that corresponds to '<value-of select="\$idvalue"/>'). role error test parent::*<text()=ancestor::h17:structuredBody//*[@ID=\$idvalue]/text() Message The originalText content MUST be identical to the narrative text for this reference.	
<code>h17:translation</code>		0 ... *		A translation of the code to another coding system (e.g. ISCO-08: 2.16.840.1.113883.2.9.6.2.7)	CDA-CH V2
<code>@code</code>	CS	1 ... 1	R		

└ @codeSystem	oid	1 ... 1	R		
└ @codeSystemName	st	1 ... 1	R		
└ @displayName	st	1 ... 1	R		
└ h17:time	IVL_TS.CH.TZ	0 ... 1		Duration of the performance.	CDA-CH V2
└ h17:low	TS.CH.TZ	1 ... 1	R	Start of the performance.	CDA-CH V2
└ h17:high	TS.CH.TZ	1 ... 1	R	End of the performance.	CDA-CH V2
└ h17:assignedEntity		1 ... 1	R	Contains 2.16.756.5.30.1.1.10.9.32 <i>Assigned Entity Compilation with id, name, addr, telecom, person and organization</i> (DYNAMIC)	CDA-CH V2
Included		0 ... *		from 2.16.756.5.30.1.1.10.2.28 <i>Laboratory Performer - documentationOf</i> (DYNAMIC)	
└ h17:documentationOf		0 ... *			IHE PaIM TF3 Rev.8, 6.3.2.20

└ h17:templateId	II	1 ... 1	M		IHE PaIM TF3 Rev.8, 6.3.2.20
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.28	
└ h17:serviceEvent		1 ... 1	R		IHE PaIM TF3 Rev.8, 6.3.2.20
└ h17:effectiveTime	IVL_TS.CH.TZ	0 ... 1		Use of sub element documentationOf/serviceEvent/effectiveTime to document the time boundaries of events in the document is appropriate.	IHE PaIM TF3 Rev.8, 6.3.2.20
└ h17:performer		0 ... *		Laboratory Performer template in the CDA header. Contains 2.16.756.5.30.1.1.10.4.7 <i>Laboratory Performer - performer Containment</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.2.20
where [h17:assignedEntity]					
<i>Included</i>		0 ... *		from 2.16.756.5.30.1.1.10.2.14 <i>Insurance Card - participant</i> (DYNAMIC)	
└ h17:participant		0 ... *		Information on a patient's insurance card.	CDA-CH V2
└ @typeCode	CS	1 ... 1	F	HLD	

└ h17:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.14	
└ h17:time	IVL_TS.CH.TZ	1 ... 1	R	Validity period of the insurance card.	CDA-CH V2
└ h17:low	TS.CH.TZ	1 ... 1			CDA-CH V2
└ @nullFlavor	CS	1 ... 1	F	NASK	
└ h17:high	TS.CH.TZ	1 ... 1	R	Expiration date of the insurance card.	CDA-CH V2
└ h17:associatedEntity		1 ... 1	R		CDA-CH V2
└ @classCode	CS	1 ... 1	F	POLHOLD	

<code>└ h17:id</code>	II	1 ... 1	R	The insurance card's id.	CDA-CH V2
<code>└ @root</code>	uid	1 ... 1	F	2.16.756.5.30.1.123.100.1.1.1	
<code>└ @extension</code>	st	1 ... 1	R	Number of the insurance card.	
<code>└ h17:associatedPerson</code>		0 ... 1		Family and given name on the insurance card. Contains 2.16.756.5.30.1.1.10.9.34 <i>Person Name Information Compilation - eCH-0011</i> (DYNAMIC)	CDA-CH V2
<code>└ h17:scopingOrganization</code>		0 ... 1		The insurance company which issued the insurance card. Contains 2.16.756.5.30.1.1.10.9.24 <i>Organization Compilation with name</i> (DYNAMIC)	CDA-CH V2
<i>Included</i>		0 ... *		from 2.16.756.5.30.1.1.10.2.15 <i>Insurance - participant</i> (DYNAMIC)	
<code>└ h17:participant</code>		0 ... *		Information on a patient's insurance.	CDA-CH V2
<code>└ @typeCode</code>	CS	1 ... 1	F	COV	
<code>└ h17:templateId</code>	II	1 ... 1	M		CDA-CH V2

<code>└ @root</code>	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.15	
<code>└ h17:time</code>	IVL_TS.CH.TZ	0 ... 1		Validity period of the contract.	CDA-CH V2
<code>└ h17:low</code>	TS.CH.TZ	1 ... 1	R	Start of the contract.	CDA-CH V2
<code>└ h17:high</code>	TS.CH.TZ	1 ... 1	R	End of the contract.	CDA-CH V2
<code>└ h17:associatedEntity</code>		1 ... 1	R		CDA-CH V2
<code>└ @classCode</code>	CS	1 ... 1	F	PAYOR	
<code>└ h17:id</code>	II	1 ... 1	R	The id of the contract ([ge]: Versichertennummer; [fr]: Numéro d'assuré).	CDA-CH V2
<code>└ @root</code>	uid	1 ... 1	R	The OID of the system that issued the id. OIDs of code systems, which are published in a public OID registry are REQUIRED. Others are NOT ALLOWED.	

└ @extension	st	0 ... 1		The id itself. It MUST be unique within the issuing system.	
└ h17:code	CE	1 ... 1	R	The underlying law for the contract.	CDA-CH V2
└ @nullFlavor	CS	0 ... 1	F	NAV	
└ @code	CS	0 ... 1		832.10, 832.20, 221.229.1, 833.1, 831.20	
└ @codeSystem	oid	0 ... 1	F	2.16.756.5.30.2.1.1.11	
└ @codeSystemName	st	0 ... 1	F	ins-laws	
└ @displayName	st	0 ... 1		Federal Act on Health Insurance (HIA), Federal Act on Accident Insurance (AIA), Federal Act on Insurance Policies (Insurance Policies Act, IPA), Federal Act on Military Insurance (MillIA), Federal Act on Invalidity Insurance (InvIA)	
			role	● error	
	Schematron assert		test	(@nullFlavor='NAV' and not(@codeSystem or @codeSystemName or @code or @displayName)) or (@codeSystem='2.16.756.5.30.2.1.1.11' and @codeSystemName='ins-laws' and @code and @displayName)	
			Message	Either a valid insurance law or nullFlavor="NAV" is REQUIRED.	
└ h17:associatedPerson		0 ... 1		Contact person at the insurance company. Contains 2.16.756.5.30.1.1.10.9.34 <i>Person Name Information Compilation - eCH-0011</i> (DYNAMIC)	CDA-CH V2

<p>└ h17:scopingOrganization</p>		<p>1 ... 1</p>		<p>The insurance company. Contains 2.16.756.5.30.1.1.10.9.26 <i>Organization Compilation with GLN, name, addr and telecom</i> (DYNAMIC)</p>	<p>CDA-CH V2</p>
<p>Included</p>		<p>0 ... *</p>		<p>from 2.16.756.5.30.1.1.10.2.13 <i>Document Replacement - relatedDocument</i> (DYNAMIC)</p>	
<p>└ h17:relatedDocument</p>		<p>0 ... *</p>		<p>Relationship to another CDA-CH V2 based document that is replaced by the current one.</p> <p>Notes: For correction of wrong information, a new document that replaces the earlier document MUST be created. The new document corrects previously incorrect information. This also applies to the case where information in the CDA header has been corrected (e.g., if the original document has been issued to the wrong patient). While processing the new document at the recipient, all values from the previous document MUST be interpreted as deprecated (deleted/marked as deleted/deprecated) and all values in the new document MUST be marked as valid:</p> <ul style="list-style-type: none"> ▪ Values that were only contained in the previous document have to be treated as deleted. ▪ Values that are present in both documents are overwritten with the contents of the new document. ▪ Values that are only contained in the new document are to be added. 	<p>CDA-CH V2</p>
<p>└ @typeCode</p>	<p>CS</p>	<p>1 ... 1</p>	<p>F</p>	<p>RPLC</p>	

Indicates that it is a relationship to another document that needs to be replaced.					
<code>└ h17:templateId</code>	II	1 ... 1	M		CDA-CH V2
<code>└ @root</code>	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.13	
<code>└ h17:parentDocument</code>		1 ... 1	R	Relationship to the document that needs to be replaced.	CDA-CH V2
<code>└ h17:id</code>	II	1 ... 1	M	The id of the document to be replaced MUST be declared.	CDA-CH V2
<code>└ @root</code>	uid	1 ... 1	R	The id (GUID) of the document to be replaced.	
<code>└ @extension</code>	st	0	NP	NP/not present	
<code>└ h17:setId</code>	II	1 ... 1	M	The setId of the document to be replaced MUST be declared.	CDA-CH V2
<code>└ @extension</code>	st	0	NP	NP/not present	
<code>└ @root</code>	uid	1 ... 1	R	The setId (GUID) of the document to be replaced and MUST be identical with the content of the setId of the current document.	

	Schematron assert	role	● error		
	Schematron assert	test	(@root=/hl7:ClinicalDocument/hl7:id/@root) and not(@extension) and not(/hl7:ClinicalDocument/hl7:id/@extension)		
	Schematron assert	Message	ClinicalDocument/setId: MUST be identical to the one of the replaced document		
└ hl7:versionNumber	INT	1 ... 1	M	The version number of the document to be replaced.	CDA-CH V2
	Schematron assert	role	● error		
	Schematron assert	test	@value > /hl7:ClinicalDocument/hl7:versionNumber/@value		
	Schematron assert	Message	ClinicalDocument/versionNumber: MUST be higher than the one of the replaced document		
└ hl7:component		1 ... 1	R		(CDA...-V1)
└ hl7:structuredBody		1 ... 1	R		(CDA...-V1)
└ hl7:component		1 ... *	M	Main section for laboratory reports	(CDA...-V1)






			<p>A laboratory report MUST contain at least one main chapter in the structured body element, which MAY contain one or more sub-chapters. No further nesting is allowed. Each main section (Laboratory Specialty Section) contains laboratory tests of a particular discipline (e.g., microbiology or serology) and MUST contain either text and entry elements or sub-chapter (Laboratory Report Item Section). In the first case, the human-readable text in the text element MUST be generated automatically from the entry and its sub-elements, and sub-chapters ARE NOT ALLOWED. In the second case, all subsections (Laboratory Report Item Sections) must contain the examination results.</p> <p>Contains 2.16.756.5.30.1.1.10.3.3 <i>Laboratory Speciality Section - coded</i> (DYNAMIC)</p>	
<p>where [hl7:section [hl7:code [concat(@code, @codeSystem) = doc('include/voc-1.3.6.1.4.1.19376.1.3.11.1-DYNAMIC.xml')/valueSet [1]/conceptList/concept/concat(@code, @codeSystem)]]]</p>				
<p>└ h17:component</p>		<p>0 ... 1</p>	<p>Main section for vital signs</p> <p>A laboratory report MAY include a main section in the structuredBody element that contains vital signs of the patient (e.g., body temperature, body height and weight), if this is of particular interest to the interpretation of the laboratory results.</p> <p>Contains 2.16.756.5.30.1.1.10.3.4 <i>Vital Signs Section - coded</i> (DYNA-</p>	<p>(CDA...-V1)</p>

				MIC)	
where [hl7:section [hl7:code [(@code = '8716-3' and @codeSystem = '2.16.840.1.113883.6.1') or @nullFlavor]]]					
				<p>Main section for coded results</p> <p>A laboratory report MAY include a main section in the structuredBody element that contains coded results of the patient (e.g., gestational age of the patient), if this is of particular interest to the interpretation of the laboratory results.</p> <p>Contains 2.16.756.5.30.1.1.10.3.46 <i>Other Relevant Observations Section - coded</i> (DYNAMIC)</p>	(CDA...-V1)
where [hl7:section]					
				<p>Main section for a current pregnancy</p> <p>A laboratory report MAY include a main section in the structuredBody element that contains information about a current pregnancy of the patient (e.g., estimated delivery date), if this is of particular interest to the interpretation of the laboratory results.</p> <p>Contains 2.16.756.5.30.1.1.10.3.53 <i>Current Pregnancy Section - coded</i> (DYNAMIC)</p>	(CDA...-V1)
where [hl7:section]					

<p>└─ h17:component</p>		<p>0 ... 1</p>	<p>Main section for original representation</p> <p>This section MAY be used to provide the original representation of the current CDA document as it has been seen by the legal authenticator while signing.</p> <p>Contains 2.16.756.5.30.1.1.10.3.45 <i>Original Representation Section - coded</i> (DYNAMIC)</p>	<p>(CDA...-V1)</p>
<p>where [hl7:section [hl7:code [(@code = '55108-5' and @codeSystem = '2.16.840.1.113883.6.1')]]]</p>				
<p>Schematron assert</p>		<p>role</p>	<p>warning</p>	
		<p>test</p>	<p>not(//hl7:id[@root='2.16.756.5.30.1.127.3.10.3'])</p>	
		<p>Message</p>	<p>This CDA-CH-LREP document contains a Swiss EPR-SPID. Please make sure, that this fits the legal base.</p>	
<p>Schematron report</p>		<p>role</p>	<p>warning</p>	
		<p>test</p>	<p>//hl7:id[@root=('2.16.756.5.31', '2.16.756.5.32')]/parent::hl7:patientRole</p>	
		<p>Message</p>	<p>This CDA-CH-LREP document contains a Swiss Social Security number as patient identifier. Please make sure, that this fits the legal base.</p>	
<p>Schematron assert</p>		<p>role</p>	<p>error</p>	
		<p>test</p>	<p>not(//hl7:id[@root=('2.16.756.5.30.1.127.3.10.3', '2.16.756.5.31', '2.16.756.5.32')]/../[not(hl7:patientRole)])</p>	
		<p>Message</p>	<p>Swiss EPR-SPID and Social Security numbers are not allowed in CDA-CH-LREP documents for other objects than the patient.</p>	

1.2 CDA Header Level Templates

1.2.1 Author

Id	2.16.756.5.30.1.1.10.2.59	Effective Date	2018-04-19 Other versions this id:	
Status	 Under pre-publication review	Version Label	2018	
Name	cdachrep_header_Author	Display Name	Author	
Description	Information about the author of the document. The author MAY be a person or a device. At least one author MUST be declared.			
Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.2.59			
Label	CDA-CH-LREP			
Classification	CDA Header Level Template			
Open/Closed	Open (other than defined elements are allowed)			
Uses	Uses 4 templates			
	Uses	as	Name	Version
	2.16.756.5.30.1.1.10.9.35	Containment 	Address Information Compilation - eCH-0010 (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.9.34	Containment 	Person Name Information Compilation - eCH-0011 (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.9.21	Containment 	Device Compilation with name (2017)	DYNAMIC
2.16.756.5.30.1.1.10.9.27	Containment 	Organization Compilation with name, addr, telecom (2017)	DYNAMIC	
Relationship	Specialization: template 2.16.756.5.30.1.1.10.9.23 (DYNAMIC) Specialization: template 2.16.840.1.113883.10.12.102 (2005-09-07)			
Example	Sample author			

```

<author>
  <templateId root="2.16.756.5.30.1.1.10.2.59"/>
  <templateId root="2.16.756.5.30.1.1.10.9.23"/>
  <functionCode nullFlavor="NAV">
    <originalText>Laboratory technician</originalText>
    <translation code="3212" codeSystem="2.16.840.1.113883.2.9.6.2.7" codeSystemName="ISCO-08" displayName="Medical and pathology laboratory technicians"/>
  </functionCode>
  <time value="20170905"/>
  <assignedAuthor>
    <id root="2.51.1.3" extension="7608888888888888"/>
    <assignedPerson>
      <name>
        <prefix>Dr. med.</prefix>
        <given>Allzeit</given>
        <family>Bereit</family>
      </name>
    </assignedPerson>
    <representedOrganization>
      <id root="2.51.1.3" extension="7609999999999999"/>
      <name>Gruppenpraxis CH</name>
      <telecom value="tel:+41.32.234.55.66" use="WP"/>
      <telecom value="fax:+41.32.234.55.67" use="WP"/>
      <telecom value="mailto:bereit@gruppenpraxis.ch" use="WP"/>
      <telecom value="http:www.gruppenpraxis.ch" use="WP"/>
      <addr use="WP">
        <streetName>Doktorgasse</streetName>
        <houseNumber>2</houseNumber>
        <city>Musterhausen</city>
        <postalCode>8888</postalCode>
        <country>CH</country>
      </addr>
    </representedOrganization>
  </assignedAuthor>
</author>

```

Item	DT	Card	Conf	Description	Label
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<code>h17:author</code>		1 ... *	R	Information about the author of the document. The author MAY be a person or a device. At least one author MUST be declared.	CDA-...LREP
<code>└ h17:templateId</code>	II	1 ... 1	M		CDA-...LREP
<code>└ @root</code>	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.59	
<code>└ h17:templateId</code>	II	1 ... 1	M		CDA-...LREP
<code>└ @root</code>	uid	1 ... 1	F	2.16.756.5.30.1.1.10.9.23	
<code>└ h17:functionCode</code>	CE	1 ... 1	R	The functionCode MUST be taken from the Swiss EPR Value-Set for author roles. See FDHA Ordinance on the Electronic Patient Record (EPRO-FDHA), Appendix 3: Metadata, Section 2.1. If the desired functionCode is not available in the Swiss EPR Value-Set for author roles, nullFlavor='NAV' MUST be used. In this case, the originalText element MUST contain the description of the role. Translations to other vocabularies are allowed.	CDA-...LREP
<code>└ @nullFlavor</code>	st	0 ... 1	F	NAV	
<code>└ @code</code>	cs	0 ... 1			
<code>└ @codeSystem</code>	oid	0 ... 1	F	2.16.840.1.113883.6.96	

└ @codeSystemName	st	0 ... 1	F	SNOMED CT	
└ @displayName	st	0 ... 1			
	CONF	The value of @code shall be drawn from value set 2.16.756.5.30.1.127.3.10.1.1.3 <i>EprAuthorRole</i> (DYNAMIC)			
Example		<code><functionCode code="106292003" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Professional nurse"/></code>			
Example		<code><functionCode nullFlavor="NAV"> <originalText>Home helper</originalText> </functionCode></code>			
Example		<code><functionCode nullFlavor="NAV"> <originalText>Laboratory technician</originalText> <translation code="3212" codeSystem="2.16.840.1.113883.2.9.6.2.7" codeSystemName="ISCO-08" displayName="Medical and pathology laboratory technicians"/> </functionCode></code>			
Schematron assert	role	error			
	test	(@code and @codeSystem) or (@nullFlavor='NAV')			
	Message	Either a code with its code system or nullFlavor='NAV' is required.			
Schematron assert	role	error			
	test	not(@nullFlavor) or (hl7:originalText)			
	Message	Other Caregivers description MUST be declared in the originalText element in case of nullFlavor.			
└ hl7:translation		0 ... *		A translation of the code to another coding system (e.g. ISCO-08: 2.16.840.1.113883.2.9.6.2.7)	CDA-...LREP
└ @code	cs	1 ... 1	R		

└ @codeSystem	oid	1 ... 1	R		
└ @codeSystemName	st	1 ... 1	R		
└ @displayName	st	1 ... 1	R		
└ h17:translation		0 ... 1		Use this translation when the author is the patient itself (e.g. by reporting a self medication or a medical problem).	CDA-...LREP
└ @code	cs	1 ... 1	F	116154003	
└ @codeSystem	oid	1 ... 1	F	2.16.840.1.113883.6.96	
└ @codeSystemName	st	1 ... 1	F	SNOMED CT	
└ @displayName	st	1 ... 1	F	Patient (person)	
└ h17:time	TS.CH.TZ	1 ... 1	R	Date and time of the laboratory report creation.	CDA-...LREP
└ h17:assignedAuthor		1 ... 1	R		CDA-...LREP
	Schematron assert	role	 error		
		test		not(h17:assignedAuthoringDevice/h17:softwareName) or (h17:representedOrganizat-	

				ion)	
				Message	For device authors the element representedOrganization is REQUIRED.
				role	 error
				test	(hl7:telecom[@use='PUB' and starts-with(@value,'tel:')] and (hl7:telecom[@use='PUB' and starts-with(@value,'mailto:')])
				Message	A public telephone number in the international format and a public eMail address are required.
				role	 error
				test	(hl7:addr[@use='PUB'])
				Message	A public address is required.
	<code>└ hl7:id</code>	II	1 ... 1	R	The specification of GS1 GLN is REQUIRED. If it is not (yet) known, this MUST be declared using nullFlavor. For persons: their personal GLN MUST be declared. For devices or software modules: the GLN of their organization MUST be declared.
	<code>└ @nullFlavor</code>	cs	0 ... 1	F	NAV
	<code>└ @root</code>	cs	0 ... 1	F	Temporarily unknown, will be filled later. 2.51.1.3
	<code>└ @extension</code>	st	0 ... 1		OID for GS1 GLN. The GS1 GLN.
				role	 error
				test	(@root='2.51.1.3' and @extension) or (@nullFlavor='NAV')
				Message	Either the GS1 GLN or nullFlavor='NAV' is REQUIRED
					CDA-...LREP

<code>└ h17:id</code>	II	0 ... *		Other ids are allowed.	CDA- ...LREP
<code>└ @root</code>	cs	1 ... 1	R	The OID of the system that issued the id. OIDs of code systems, which are published in a public OID registry are REQUIRED. Others are NOT ALLOWED.	
<code>└ @extension</code>	st	0 ... 1		The id itself. It MUST be unique within the issuing system.	
<code>└ h17:addr</code>	AD	1 ... *		Address of the laboratory. Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA- ...LREP
<code>└ h17:telecom</code>	TEL	1 ... *		Means of communication of the laboratory (phone, eMail, ...).	CDA- ...LREP
<i>Choice</i>		1 ... 1		<p>Elements to choose from:</p> <ul style="list-style-type: none"> h17:assignedPerson containing template 2.16.756.5.30.1.1.10.9.34 <i>Person Name Information Compilation - eCH-0011</i> (DYNAMIC) h17:assignedAuthoringDevice containing template 2.16.756.5.30.1.1.10.9.21 <i>Device Compilation with name</i> (DYNAMIC) 	
<code>└ h17:assignedPerson</code>		0 ... 1		The author as a person. Contains 2.16.756.5.30.1.1.10.9.34 <i>Person Name Information Compilation - eCH-0011</i> (DYNAMIC)	CDA- ...LREP

↳ <code>h17:assignedAuthoringDevice</code>		0 ... 1	The author as a device. Contains 2.16.756.5.30.1.1.10.9.21 <i>Device Compilation with name</i> (DYNAMIC)	CDA-...LREP
↳ <code>h17:representedOrganization</code>		0 ... 1	The author's organization. Contains 2.16.756.5.30.1.1.10.9.27 <i>Organization Compilation with name, address, telecom</i> (DYNAMIC)	CDA-...LREP
Schematron assert		role	error	
		test	/h17:ClinicalDocument/h17:author/h17:functionCode/h17:translation[@code='3212' and @codeSystem='2.16.840.1.113883.2.9.6.2.7']	
		Message	At least one of the listed authors MUST be a laboratory specialist.	


1.2.2 Custodian

Id	2.16.756.5.30.1.1.10.2.60	Effective Date	2018-04-19 Other versions this id:
Status	Under pre-publication review	Version Label	2018
Name	cdachlrep_header_Custodian	Display Name	Custodian

Description

The laboratory that creates the document MUST be declared as Custodian. The GLN is the primary key and thus the unique identification of the laboratory. If the lab services are

to be refunded by the insurance, the SASIS number (ge:ZSR / fr:RCC) MUST be declared in the same element as the GLN as follows.

Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.2.60			
Label	CDA-CH-LREP			
Classification	CDA Header Level Template			
Open/Closed	Open (other than defined elements are allowed)			
Uses	Uses 1 template			
	Uses	as	Name	Version
	2.16.756.5.30.1.1.10.9.35	Containment 	Address Information Compilation - eCH-0010 (2017)	DYNAMIC
Relationship	Specialization: template 2.16.756.5.30.1.1.10.2.3 (DYNAMIC)			
Example	Example			
	<pre> <custodian> <templateId root="2.16.756.5.30.1.1.10.2.3"/> <templateId root="2.16.756.5.30.1.1.10.2.60"/> <assignedCustodian> <representedCustodianOrganization> <id root="2.51.1.3" extension="76066666666666666666"/> <name use="L">Labor Pipette</name> <telecom use="PUB" value="tel:+41.33.123.45.67"/> <addr use="PUB"> <streetName>Reagenziumstrasse</streetName> <houseNumber>321</houseNumber> <postalCode>8888</postalCode> <city>Analyzerstadt</city> <country>CH</country> </addr> </representedCustodianOrganization> </assignedCustodian> </custodian> </pre>			

```

</representedCustodianOrganization>
</assignedCustodian>
</custodian>
    
```

Item	DT	Card	Conf	Description	Label
h17:custodian		1 ... 1	R		CDA- ...LREP
└ h17:templateId	II	1 ... 1	M		CDA- ...LREP
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.3	
└ h17:templateId	II	1 ... 1	M		CDA- ...LREP
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.60	
└ h17:assignedCustodian		1 ... 1	R		CDA- ...LREP

<p>└ h17:representedCustodianOrganization</p>		<p>1 ... 1</p>	<p>R</p>		<p>CDA- ...LREP</p>
	<p>Schematron assert</p>	<p>role</p>	<p>● error</p>	<p>test (hl7:telecom[@use='PUB' and starts-with(@value,'tel:+')) Message A public telephone number in the international format is required.</p>	
	<p>Schematron assert</p>	<p>role</p>	<p>● error</p>	<p>test (hl7:addr[@use='PUB']) Message A public address is required.</p>	
<p>└ h17:id</p>	<p>II</p>	<p>1 ... *</p>	<p>R</p>	<p>The specification of GS1 GLN is required. If it is not (yet) known, this must be declared using nullFlavor.</p>	<p>CDA- ...LREP</p>
<p>└ @nullFlavor</p>	<p>cs</p>	<p>0 ... 1</p>	<p>F</p>	<p>NAV Temporarily unknown, will be filled later.</p>	
<p>└ @root</p>	<p>cs</p>	<p>0 ... 1</p>	<p>F</p>	<p>2.51.1.3 OID for GS1 GLN</p>	
<p>└ @extension</p>	<p>st</p>	<p>0 ... 1</p>		<p>The GS1 GLN of the laboratory or the doctor's office (in the case of individual practices, the doctor's GLN).</p>	
	<p>Schematron assert</p>	<p>role</p>	<p>● error</p>	<p>test (@root='2.51.1.3' and @extension) or (@nullFlavor='NAV') Message Either the GS1 GLN or nullFlavor='NAV' is required.</p>	

<code>L_h17:id</code>	II	0 ... *	C	SASIS number (ge:ZSR / fr:RCC), if the lab services are to be refunded by the insurance.	CDA- ...LREP
<code>L_@root</code>	CS	1 ... 1	F	2.16.756.5.30.1.123.100.2.1.1	
<code>L_@extension</code>	st	1 ... 1	R	OID for SASIS number (ge:ZSR / fr:RCC). SASIS number (ge:ZSR / fr:RCC) of the laboratory or the physician.	
<code>L_h17:name</code>	ON	1 ... 1	R	Name of the laboratory.	CDA- ...LREP
<code>L_h17:telecom</code>	TEL	1 ... *	R	Means of communication of the laboratory (phone., eMail, ...).	CDA- ...LREP
<code>L_h17:addr</code>	AD	1 ... *	R	Address of the laboratory. Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA- ...LREP

1.2.3 Data Enterer

Id 2.16.756.5.30.1.1.10.2.7

Effective Date 2018-04-18

			Other versions this id:
Status	● Active	Version Label	2017
Name	cdach_header_DataEnterer	Display Name	Data Enterer

Description

Information about the person that entered information in this CDA document. It SHALL be declared, when data recorded in this document has been entered by a person other than the author but only when this is relevant for some reason. All CDA-CH V2 derivatives, i.e. Swiss exchange formats MUST reference this template.

Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.2.7
Label	CDA-CH V2
Classification	CDA Header Level Template
Open/Closed	Open (other than defined elements are allowed)

Uses	Uses 1 template			
	Uses	as	Name	Version
	2.16.756.5.30.1.1.10.9.12	Containment	● Assigned Entity Compilation with id (2017)	DYNAMIC

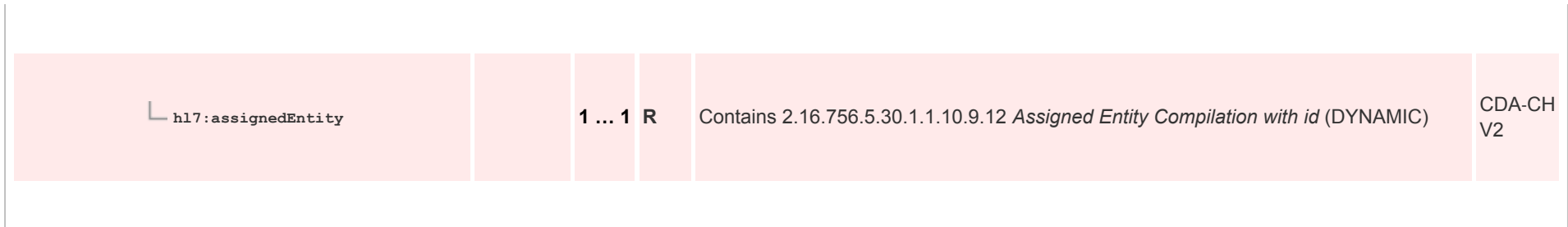
Relationship	Specialization: template 2.16.840.1.113883.10.12.103 (2005-09-07)
---------------------	---

Example	Example
	<pre><dataEnterer> <templateId root="2.16.756.5.30.1.1.10.2.7"/> <time value="201709122029+0200"/> <assignedEntity> <id root="2.999" extension="0812763"/> </assignedEntity> </dataEnterer></pre>

```

<assignedPerson>
  <name>
    <given>Jean</given>
    <family>Dupont</family>
  </name>
</assignedPerson>
</assignedEntity>
</dataEnterer>
    
```

Item	DT	Card	Conf	Description	Label
h17:dataEnterer		0 ... 1		Information about the person that entered information in this CDA document. It SHALL be declared, when data recorded in this document has been entered by a person other than the author but only when this is relevant for some reason.	CDA-CH V2
└ h17:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.7	
└ h17:time	TS.CH.TZ	0 ... 1		Timestamp of the data input.	CDA-CH V2



1.2.4 Document Code

Id	2.16.756.5.30.1.1.10.2.56	Effective Date	2018-04-19 Other versions this id:
Status	● Under pre-publication review	Version Label	2018
Name	cdachlrep_header_DocumentCode	Display Name	Document Code

Description

A LOINC based document type of a CDA document instance including a translation to the Swiss EPR XDS.b metadata.

- Multidisciplinary laboratory findings:
The LOINC code of the document MUST read: 11502-2 (LABORATORY REPORT.TOTAL)
- Laboratory reports of a single laboratory discipline:
The LOINC code of the document MUST be taken from the value set 'Laboratory Specialties'

Context	Pathname
Label	IHE PaIM TF3 Rev.8, 6.3.2.5


Classification	CDA Header Level Template
Open/Closed	Open (other than defined elements are allowed)
Relationship	Specialization: template 2.16.756.5.30.1.1.10.2.44 (DYNAMIC)
Example	<p>Laboratory Reports, CDA-CH-LREP V1, General laboratory report</p> <pre> <!-- IHE XD-LAB defines the valid document codes --> <code code="11502-2" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="LABORATORY REPORT.TOTAL"> <!-- Mapping to the Swiss EPR XDS.b metadata according to the Value-Set EprDocumentTypeCode (201704.1-beta; 2.16.756.5.30.1.127.3.10.1.27) --> <translation code="4241000179101" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Laboratory report"/> </code> </pre>

Item	DT	Card	Conf	Description	Label
h17:code	CE	1 ... 1	M	<p>A LOINC based document type of a CDA document instance including a translation to the Swiss EPR XDS.b metadata.</p> <ul style="list-style-type: none"> Multidisciplinary laboratory findings: The LOINC code of the document MUST read: 11502-2 (LABORATORY REPORT.TOTAL) Laboratory reports of a single laboratory discipline: The LOINC code of the document MUST be taken from the value-set 'Laboratory Specialties' 	IHE PaIM TF3 Rev.8, 6.3.2.5
└ @code	cs	1 ... 1	R	The exact value of @code MUST either read '11502-2' or taken from the value-set 'Laboratory Specialties'.	
└ @codeSystem	oid	1 ... 1	F	2.16.840.1.113883.6.1	

└ @codeSystemName	st	1 ... 1 F	LOINC		
└ @displayName	st	1 ... 1 R	The exact value of @displayName MUST either read 'LABORATORY REPORT.TOTAL' or taken from the value-set 'Laboratory Specialties'.		
				CONF	The value of @code shall be drawn from value set 1.3.6.1.4.1.19376.1.3.11.6 <i>Multi-disciplinary Laboratory Report</i> (DYNAMIC) or The value of @code shall be drawn from value set 1.3.6.1.4.1.19376.1.3.11.1 <i>Laboratory Specialties</i> (DYNAMIC)
└ h17:translation	CD	1 ... 1 R			The translation to the Swiss EPR XDS.b metadata attribute typeCode.
└ @code	cs	1 ... 1 F	4241000179101		
└ @codeSystem	oid	1 ... 1 F	2.16.840.1.113883.6.96		
└ @codeSystemName	st	1 ... 1 F	SNOMED CT		
└ @displayName	st	1 ... 1 F	Laboratory report		
				CONF	The value of @code shall be drawn from value set 2.16.756.5.30.1.127.3.10.1.27 <i>EprDocumentTypeCode</i> (DYNAMIC)

IHE
PaM
TF3
Rev.8,
6.3.2.5

1.2.5 Document Confidentiality Code



Id	2.16.756.5.30.1.1.10.2.19	Effective Date	2018-04-18 Other versions this id:
Status	 Active	Version Label	2017
Name	cdach_header_DocumentConfidentialityCode	Display Name	Document Confidentiality Code

Description

A confidentiality level of a CDA document instance according to the Swiss EPR regulation. All CDA-CH V2 derivatives, i.e. Swiss exchange formats MUST reference this template.




Language dependent references to the Swiss EPR regulation:

- en: Federal Act on the Electronic Patient Record (EPRA), FDHA Ordinance on the Electronic Patient Record (EPRO-FDHA), Appendix 3 (Metadata)
- de: Bundesgesetz über das elektronische Patientendossier (EPDG), Verordnung des EDI über das elektronische Patientendossier (EPDV-EDI), Anhang 3 (Metadaten)
- fr: Loi fédérale sur le dossier électronique du patient (LDEP), Ordonnance du DFI sur le dossier électronique du patient (ODEP-DFI), Annexe 3 (Métadonnées)
- it: Legge federale sulla cartella informatizzata del paziente (LCIP), Ordinanza del DFI sulla cartella informatizzata del paziente (OCIP-DFI), Allegato 3 (Metadati)

Context	Pathname		
Label	CDA-CH V2		
Classification	CDA Header Level Template		
Open/Closed	Open (other than defined elements are allowed)		
Associated with	Associated with 1 concept		
	Id	Name	Data Set
	hl7chcda-dataelement-222	 Confidentiality level	 CDA-CH V2 2017

Example

```
<confidentialityCode code="1051000195109" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="normal"/>
```

Item	DT	Card	Conf	Description	Label
h17:confidentialityCode	CE (required)	1 ... 1	M	Swiss Realm of Confidentiality Code according to the Swiss EPR regulation.	CDA-CH V2
 hl7chcda-dataelement-222  Confidentiality level  CDA-CH V2 2017					
└ @code	cs	1 ... 1	R	The value of @code MUST be drawn from value set EprDocumentConfidentialityCode (2.16.756.5.30.1.127.3.10.1.5)	
└ @codeSystem	oid	1 ... 1	F	2.16.840.1.113883.6.96	
└ @codeSystemName	st	1 ... 1	F	SNOMED CT	
└ @displayName	st	1 ... 1	R	The value of @displayName MUST be drawn from value set EprDocumentConfidentialityCode (2.16.756.5.30.1.127.3.10.1.5)	
	CONF			The value of @code shall be drawn from value set 2.16.756.5.30.1.127.3.10.1.5 <i>EprDocumentConfidentialityCode</i> (DYNAMIC)	

1.2.6 Document Id

Id	2.16.756.5.30.1.1.10.2.23	Effective Date	2018-04-18 Other versions this id:
Status	● Active	Version Label	2017
Name	cdach_header_DocumentId	Display Name	Document Id
Description	A unique identifier for each CDA document instance. All CDA-CH V2 derivatives, i.e. Swiss exchange formats MUST reference this template.		
Context	Pathname		
Label	CDA-CH V2		
Classification	CDA Header Level Template		
Open/Closed	Open (other than defined elements are allowed)		
Associated with	Associated with 1 concept		
	Id	Name	Data Set
	hl7chcda-dataelement-217	● Identification number of the document	● CDA-CH V2 2017
Example	<p>Example</p> <pre><id root="807563C2-5146-11D5-A672-00B0D022E945"/></pre>		




Item	DT	Card	Conf	Description	Label
------	----	------	------	-------------	-------

h17:id	II	1 ... 1	M	A unique identifier for each CDA document instance.	CDA-CH V2
<div style="border: 1px solid black; padding: 2px;"> 📍 hl7chcda-dataelement-217 📍 Identification number of the document 📍 CDA-CH V2 2017 </div>					
└ @root	uid	1 ... 1	R	The document's id as Globally Unique Identifier (GUID).	
└ @extension	st	0	NP	NP/not present	


1.2.7 Document Language


Id	2.16.756.5.30.1.1.10.2.22	Effective Date	2018-04-18 Other versions this id:
Status	● Active	Version Label	2017
Name	cdach_header_DocumentLanguage	Display Name	Document Language
Description			
The RFC 1766 (ISO-639-1 and ISO 3166) based language in which the narrative texts in this CDA document instance are written. All CDA-CH V2 derivatives, i.e. Swiss exchange formats MUST reference this template.			
Context	Pathname		
Label	CDA-CH V2		

Classification	CDA Header Level Template					
Open/Closed	Open (other than defined elements are allowed)					
Associated with	Associated with 1 concept					
	<table border="1"> <thead> <tr> <th>Id</th> <th>Name</th> <th>Data Set</th> </tr> </thead> <tbody> <tr> <td>hl7chcda-dataelement-219</td> <td>● Language of the document</td> <td>● CDA-CH V2 2017</td> </tr> </tbody> </table>	Id	Name	Data Set	hl7chcda-dataelement-219	● Language of the document
Id	Name	Data Set				
hl7chcda-dataelement-219	● Language of the document	● CDA-CH V2 2017				
Example	<p>US-English</p> <pre><languageCode code="en-US"/></pre>					
Example	<p>Swiss-German</p> <pre><languageCode code="de-CH"/></pre>					
Example	<p>Swiss-French</p> <pre><languageCode code="fr-CH"/></pre>					
Example	<p>Swiss-Italian</p> <pre><languageCode code="it-CH"/></pre>					


Item	DT	Card	Conf	Description	Label
h17:languageCode	CS	1 ... 1	M	The RFC 1766 (ISO-639-1 and ISO 3166) based language in which the narrative texts in this CDA document instance are written.	CDA-CH V2
 hl7chcda-dataelement-219  Language of the document  CDA-CH V2 2017					
<div style="border: 1px solid gray; padding: 5px; display: inline-block;"> CONF </div> The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.11526 <i>HumanLanguage</i> (DYNAMIC)					

1.2.8 Document Realm

Id	2.16.756.5.30.1.1.10.2.25	Effective Date	2018-04-18 Other versions this id:
Status	 Active	Version Label	2017
Name	cdach_header_DocumentRealm	Display Name	Document Realm
Description	Swiss Realm (CHE) of HL7 CDA. All CDA-CH V2 derivatives, i.e. Swiss exchange formats MUST reference this template.		
Context	Pathname		
Label	CDA-CH V2		
Classification	CDA Header Level Template		
Open/Closed	Open (other than defined elements are allowed)		

Item	DT	Card	Conf	Description	Label
h17:realmCode	CS	1 ... 1	M	Swiss Realm (CHE) of HL7 CDA.	CDA-CH V2
 @code	CONF	1 ... 1	F	CHE	



1.2.9 Document Replacement - relatedDocument

Id	2.16.756.5.30.1.1.10.2.13	Effective Date	2018-04-18 Other versions this id:
Status	 Active	Version Label	2017
Name	cdach_header_DocumentReplacement	Display Name	Document Replacement - relatedDocument
Description	Relationship to another CDA-CH V2 based document that is replaced by the current one. All CDA-CH V2 derivatives, i.e. Swiss exchange formats MUST reference this template.		
Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.2.13		
Label	CDA-CH V2		
Classification	CDA Header Level Template		

Open/Closed	Open (other than defined elements are allowed)
Relationship	Specialization: template 2.16.840.1.113883.10.12.111 (2005-09-07)
Example	<p style="background-color: #ffffcc; margin: 0;">Example</p> <pre style="margin: 0;"> <relatedDocument typeCode="RPLC"> <templateId root="2.16.756.5.30.1.1.10.2.13"/> <parentDocument> <id root="30E19F60-3DB9-48B8-9BFD-FF04C342D0B1"/> <setId root="452A118A-06AB-47D2-A29B-709F7F2EC6FE"/> <versionNumber value="5"/> </parentDocument> </relatedDocument> </pre>

Item	DT	Card	Conf	Description	Label
h17:relatedDocument		0 ... *		<p>Relationship to another CDA-CH V2 based document that is replaced by the current one.</p> <p>Notes: For correction of wrong information, a new document that replaces the earlier document MUST be created. The new document corrects previously incorrect information. This also applies to the case where information in the CDA header has been corrected (e.g., if the original document has been issued to the wrong patient). While processing the new document at the recipient, all values from the previous document MUST be interpreted as deprecated (deleted/marked as deleted/deprecated) and all values in the new document MUST be marked as valid:</p> <ul style="list-style-type: none"> ▪ Values that were only contained in the previous document have to be 	CDA-CH V2

				<p>treated as deleted.</p> <ul style="list-style-type: none"> Values that are present in both documents are overwritten with the contents of the new document. Values that are only contained in the new document are to be added. 	
└ @typeCode	cs	1 ... 1	F	RPLC	
				Indicates that it is a relationship to another document that needs to be replaced.	
└ h17:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.13	
└ h17:parentDocument		1 ... 1	R	Relationship to the document that needs to be replaced.	CDA-CH V2
└ h17:id	II	1 ... 1	M	The id of the document to be replaced MUST be declared.	CDA-CH V2
└ @root	uid	1 ... 1	R	The id (GUID) of the document to be replaced.	
└ @extension	st	0	NP	NP/not present	

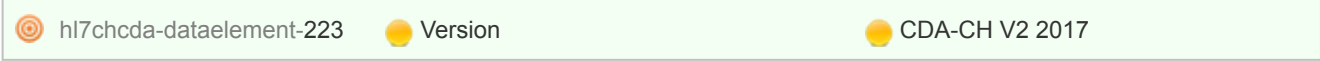
<code>h17:setId</code>	II	1 ... 1	M	The setId of the document to be replaced MUST be declared.	CDA-CH V2
<code>@extension</code>	st	0	NP	NP/not present	
<code>@root</code>	uid	1 ... 1	R	The setId (GUID) of the document to be replaced and MUST be identical with the content of the setId of the current document.	
		role		error	
		test		<code>(@root=/hl7:ClinicalDocument/hl7:id/@root)</code> and <code>not(@extension)</code> and <code>not(/hl7:ClinicalDocument/hl7:id/@extension)</code>	
		Message		ClinicalDocument/setId: MUST be identical to the one of the replaced document	
<code>h17:versionNumber</code>	INT	1 ... 1	M	The version number of the document to be replaced.	CDA-CH V2
		role		error	
		test		<code>@value > /hl7:ClinicalDocument/hl7:versionNumber/@value</code>	
		Message		ClinicalDocument/versionNumber: MUST be higher than the one of the replaced document	

1.2.10 Document Set Id and Version Number

Id 2.16.756.5.30.1.1.10.2.20

Effective Date 2018-04-18
Other versions this id:

Status	Active	Version Label	2017
Name	cdach_header_DocumentSetIdAndVersionNumber	Display Name	Document Set Id and Version Number
Description	Unity of document versions. All CDA-CH V2 derivatives, i.e. Swiss exchange formats MUST reference this template.		
Context	Pathname		
Label	CDA-CH V2		
Classification	CDA Header Level Template		
Open/Closed	Open (other than defined elements are allowed)		
Associated with	Associated with 1 concept		
	Id	Name	Data Set
	hl7chcda-dataelement-223	Version	CDA-CH V2 2017
Example	<p>Version 1</p> <pre><!-- For information only (see 'Document Id' template for more information): /ClinicalDocument/id/@root="807563C2-5146-11D5-A672-00B0D022E945" (equal to setId) --> <setId root="807563C2-5146-11D5-A672-00B0D022E945"/> <versionNumber value="1"/></pre>		
Example	<p>Version 2</p> <pre><!-- For information only (see 'Document Id' template for more information): /ClinicalDocument/id/@root="FD05DCA1-14A9-4AAE-B57E-6B28E621D853" (not equal to setId)--> <setId root="807563C2-5146-11D5-A672-00B0D022E945"/> <versionNumber value="2"/></pre>		

Item	DT	Card	Conf	Description	Label
h17:setId	II	1 ... 1	R	The setId element MUST match the document id of the very first version of that document. It MUST remain the same for all document versions.	CDA-CH V2
└ @root	uid	1 ... 1	R	The root attribute MUST contain the setId as Globally Unique Identifier (GUID).	
└ @extension	st	0	NP	NP/not present	
	Schematron assert	role	● error		
		test		(parent::*hl7:versionNumber[@value='1'] and @root=parent::*hl7:id/@root and (@extension=parent::*hl7:id/@extension or (not(@extension) and not(parent::*hl7:id/@extension)))) or (parent::*hl7:versionNumber[not(@value='1')] and ((@root=parent::*hl7:id/@root and @extension and not(@extension=parent::*hl7:id/@extension)) or(not(@root=parent::*hl7:id/@root))))	
		Message		The setId MUST be equal with the document id for version 1 and it MUST differ for all other versions.	
h17:versionNumber	INT.NONNEG	1 ... 1	R	The versionNumber element MUST contain the value 1 for the very first version of that document. For later versions, the version number MUST be increased by 1 each.	CDA-CH V2
					

1.2.11 Document Template Ids CDA-CH v2.0 - structuredBody

Id 2.16.756.5.30.1.1.10.2.18

Effective Date 2018-04-18

			Other versions this id:
Status	● Active	Version Label	2017
Name	cdach_header_DocumentTemplateIdsCdaChv2.0-structuredBody	Display Name	Document Template Ids CDA-CH v2.0 - structuredBody

Description

CDA-CH V2 bases on HL7 CDA R2 (2005) and - by using this template - require a structured body. All CDA-CH V2 derivatives, i.e. Swiss exchange formats SHALL reference this template. These SHALL define further template ids in their own separate templates.

Context	Pathname
Label	CDA-CH V2
Classification	CDA Header Level Template
Open/Closed	Open (other than defined elements are allowed)

Example	Example
	<pre> <!-- CDA-CH v2.0 specification (optional, but informative template id). --> <templateId root="2.16.756.5.30.1.1.1.4"/> <!-- HL7 CDA R2 (2005) having a structuredBody. --> <templateId root="2.16.840.1.113883.10.12.2"/> <!-- HL7 CDA R2 (2005). --> <templateId root="2.16.840.1.113883.10.12.1"/> </pre>

Item	DT	Card	Conf	Description	Label
------	----	------	------	-------------	-------

h17:templateId	II	0 ... 1		CDA-CH v2.0 specification. This is an informational reference, only.	CDA-CH V2
↳@root	uid	1 ... 1	F	2.16.756.5.30.1.1.1.1.4	
h17:templateId	II	1 ... 1	M	HL7 CDA R2 (2005); contains ClinicalDocument.component as structuredBody.	CDA-CH V2
↳@root	uid	1 ... 1	F	2.16.840.1.113883.10.12.2	
h17:templateId	II	1 ... 1	M	HL7 CDA R2 (2005).	CDA-CH V2
↳@root	uid	1 ... 1	F	2.16.840.1.113883.10.12.1	

1.2.12 Document Template Ids CDA-CH-LREP V1

Id	2.16.756.5.30.1.1.10.2.55	Effective Date	2018-04-19 Other versions this id:
Status	🟡 Under pre-publication review	Version Label	2018
Name	cdachlrep_header_TemplateIdsCdaChLrepV1	Display Name	Document Template Ids CDA-CH-LREP V1

Description	CDA-CH-LREP V1 bases on CDA-CH V2 (2017) and XD-LAB (IHE PaLM TF 8.0, 2017).
Context	Pathname
Label	CDA-CH-LREP
Classification	CDA Header Level Template
Open/Closed	Open (other than defined elements are allowed)

Example

```

<ClinicalDocument>
  <!-- ... -->
  <templateId root="2.16.756.5.30.1.1.1.1.3.9.1"/>
  <templateId root="2.16.756.5.30.1.127.1.4"/>
  <templateId root="1.3.6.1.4.1.19376.1.3.3"/>
  <!-- ... -->
</ClinicalDocument>
    
```

Item	DT	Card	Conf	Description	Label
h17:templateId	II	0 ... 1		CDA-CH-LREP / Laboratory Reports V1 specification. This is an informational reference, only.	CDA-...LREP
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.1.1.3.9.1	
h17:templateId	II	1 ... 1	M	Exchange format according to the Swiss EPR	CDA-...LREP
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.127.1.4	

h17:templateId	II	1 ... 1	M	Sharing Laboratory Reports (XD-LAB) Content Module, IHE PaLM Technical Framework Revision 8.0 - June 21, 2017.	CDA-...LREP
@root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.3.3	

1.2.13 Document Title

Id	2.16.756.5.30.1.1.10.2.62	Effective Date	2018-04-19 Other versions this id:
Status	🟡 Under pre-publication review	Version Label	2018
Name	cdachrep_header_DocumentTitle	Display Name	Document Title

Description

The document MUST contain a title. The following translations of the LOINC codes specified in XD-LAB MUST be used:

Multidisciplinary reports

LOINC Code	Text
11502-2	[ge]: Multidisziplinäre Befunde [fr]: Résultats multidisciplinaires [it]: Risultati multidisciplinari


Findings of a particular discipline

The same translations as for Laboratory Speciality Section are to be used.



Context	Pathname
Label	CDA-CH-LREP
Classification	CDA Header Level Template
Open/Closed	Open (other than defined elements are allowed)
Example	Multidisciplinary laboratory report in German <code><title>Laborbefund - Multidisziplinäre Befunde</title></code>
Example	Multidisciplinary laboratory report in English <code><title>Laboratory report - Multidisciplinary Laboratory Report</title></code>
Example	Serology report German <code><title>Laborbefund - Serologiebefunde</title></code>

Example	Serology report English
	<code><title>Laboratory report - Serologiebefunde</title></code>

Item	DT	Card	Conf	Description	Label
hl7:title	ST	1 ... 1	M	<p>The document title must follow the following text format where <human readable code> is the local translation of the document LOINC code:</p> <ul style="list-style-type: none"> ▪ [de]: 'Laborbefund - <human readable code>' ▪ [fr]: 'Rapport de laboratoire - <human readable code>' ▪ [it]: 'Referto di laboratorio - <human readable code>' ▪ [en]: 'Laboratory report - <human readable code>' 	CDA- ...LREP
Variable let		Name	languageCode		
		Value	substring(/hl7:ClinicalDocument/hl7:languageCode/@code,1,2)		
Schematron assert		role	● error		
		test	not(\$languageCode='en') or starts-with(text(),'Laboratory report')		
		Message	The English title must start with 'Laboratory report'		
Schematron assert		role	● error		
		test	not(\$languageCode='de') or starts-with(text(),'Laborbefund')		
		Message	The German title must start with 'Laborbefund'		
Schematron assert		role	● error		
		test	not(\$languageCode='fr') or starts-with(text(),'Rapport de laboratoire')		
		Message	The French title must start with 'Rapport de laboratoire'		

Schematron assert	role	 error
	test	not(\$languageCode='it') or starts-with(text(),'Rapporto di laboratorio')
	Message	The Italian title must start with 'Rapporto di laboratorio'

1.2.14 Health Service - documentationOf

Id	2.16.756.5.30.1.1.10.2.46	Effective Date	2018-04-18 Other versions this id:	
Status	 Active	Version Label	2017	
Name	cdach_header_HealthService	Display Name	Health Service - documentationOf	
Description	Information about a health service describing the context of this CDA document. All CDA-CH V2 derivatives, i.e. Swiss exchange formats MUST use this template by either reference or specialisation.			
Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.2.46			
Label	CDA-CH V2			
Classification	CDA Header Level Template			
Open/Closed	Open (other than defined elements are allowed)			
Uses	Uses 1 template			
	Uses	as	Name	Version
	2.16.756.5.30.1.1.10.9.31	Include 	Performer (2017)	DYNAMIC
Relationship	Specialization: template 2.16.840.1.113883.10.12.110 (2005-09-07)			

Example	Case identification and duration
	<pre> <documentationOf typeCode="DOC"> <templateId root="2.16.756.5.30.1.1.10.2.46"/> <serviceEvent classCode="ACT" moodCode="EVN"> <id root="2.999" extension="FID-124982"/> <effectiveTime> <low value="20171001"/> <high value="20171001"/> </effectiveTime> </serviceEvent> </documentationOf> </pre>

Item	DT	Card	Conf	Description	Label
h17:documentationOf		0 ... *		Information about a health service describing the context of this CDA document.	CDA-CH V2
└ @typeCode	CS	1 ... 1	F	DOC	
└ h17:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.46	

<code>└ h17:serviceEvent</code>		1 ... 1	R		CDA-CH V2
<code>└ @classCode</code>	CS	1 ... 1	F	ACT	
<code>└ @moodCode</code>	CS	1 ... 1	F	EVN	
<code>└ h17:id</code>	II	0 ... *		Health service identifiers such as case number ([ge]: Fallnummer; [fr]: Numéro de cas), consultation id, episode id, etc.	CDA-CH V2
<code>└ @root</code>	uid	1 ... 1	R	The OID of the system that issued the id. OIDs of code systems, which are published in a public OID registry are REQUIRED. Others are NOT ALLOWED.	
<code>└ @extension</code>	st	0 ... 1		The id itself. It MUST be unique within the issuing system.	
<code>└ h17:code</code>	CE	1 ... 1	R	As long as the eventCodeList for the Swiss EPR metadata is not defined yet by the FDHA Ordinance on the Electronic Patient Record (EPRO-FDHA), the nullFlavor='NAV' MUST be used in this template. Other codes MAY be declared as translation.	CDA-CH V2
<code>└ @nullFlavor</code>	st	1 ... 1	F	NAV	
<code>└ @code</code>	cs	0	NP	NP/not present	
<code>└ @codeSystem</code>	oid	0	NP	NP/not present	
<code>└ @codeSystemName</code>	st	0	NP	NP/not present	

<code>└ @displayName</code>	st	0	NP	NP/not present	
<code>└ h17:translation</code>		0 ... *		A translation of the code to another coding system.	CDA-CH V2
<code>└ @code</code>	cs	1 ... 1	R		
<code>└ @codeSystem</code>	oid	1 ... 1	R		
<code>└ @codeSystemName</code>	st	1 ... 1	R		
<code>└ @displayName</code>	st	1 ... 1	R		
<code>└ h17:effectiveTime</code>	IVL_TS.CH.TZ	1 ... 1	R	Duration of the health service.	CDA-CH V2
<code>└ h17:low</code>	TS.CH.TZ	1 ... 1	R	Start of the health service.	CDA-CH V2
<code>└ h17:high</code>	TS.CH.TZ	1 ... 1	R	End of the health service.	CDA-CH V2
<i>Included</i>		0 ... *		from 2.16.756.5.30.1.1.10.9.31 <i>Performer</i> (DYNAMIC)	


<code>└ h17:performer</code>		0 ... *		Information about a healthcare provider who was the primary performer of the act.	CDA-CH V2
<code>└ @typeCode</code>	CS	1 ... 1	F	PRF	
<code>└ h17:templateId</code>	II	1 ... 1	M		CDA-CH V2
<code>└ @root</code>	uid	1 ... 1	F	2.16.756.5.30.1.1.10.9.31	
<code>└ h17:templateId</code>		1 ... 1	R		CDA-CH V2
<code>└ @root</code>	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.5.3.1.1.24.3.5	
<code>└ h17:functionCode</code>	CE	1 ... 1	R	The functionCode MUST be taken from the Swiss EPR Value-Set for author roles. See FDHA Ordinance on the Electronic Patient Record (EPRO-FDHA), Appendix 3: Metadata, Section 2.1. If the desired functionCode is not available in the Swiss EPR Value-Set for author roles, the code 133932002 (Other Caregiver) MUST be used. In this case, the originalText element MUST contain the description of the role. Translations to other vocabularies are allowed.	CDA-CH V2
<code>└ @code</code>	CS	1 ... 1	R		
<code>└ @codeSystem</code>	oid	1 ... 1	F	2.16.840.1.113883.6.96	

└ @codeSystemName	st	1 ... 1	F	SNOMED CT		
└ @displayName	st	1 ... 1	R			
	CONF	The value of @code shall be drawn from value set 2.16.756.5.30.1.127.3.10.1.1.3 <i>EprAuthorRole</i> (DYNAMIC)				
Example	<code><functionCode code="106292003" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Professional nurse"/></code>					
Example	<code><functionCode code="133932002" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Other Caregiver"> <originalText>Home helper</originalText> </functionCode></code>					
Example	<code><functionCode code="133932002" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Other Caregiver"> <originalText>Laboratory technician</originalText> <translation code="3212" codeSystem="2.16.840.1.113883.2.9.6.2.7" codeSystemName="ISCO-08" displayName="Medical and pathology laboratory technicians"/> </functionCode></code>					
Schematron assert	role	 error				
	test	not(@code='133932002') or (hl7:originalText/text())				
	Message	Other Caregivers description MUST be declared in the originalText element.				
<i>Included</i>		0 ... 1	C	from 2.16.756.5.30.1.1.10.9.49 <i>Original Text Reference</i> (DYNAMIC) The human-readable text MUST be generated automatically from the structured information of this element. The text element MUST contain the reference to the corresponding text in the human readable part, ONLY.		
└ hl7:originalText	ED	0 ... 1	C		CDA-CH V2	

<code>h17:reference</code>	TEL	1 ... 1	M	The reference to the corresponding text in the human readable part must be specified by reference to content[@ID]: reference[@value='#xxx']	CDA-CH V2
<code>@value</code>	Schematron assert Variable let Schematron assert Schematron assert	1 ... 1	R	Reference to the narrative part of the section in the format '#xxx', where xxx is the ID of the corresponding <content></content> element. role error test starts-with(@value,'#') Message The @value attribute content MUST conform to the format '#xxx', where xxx is the ID of the corresponding <content/> element. Name idvalue Value substring-after(@value,'#') role error test ancestor::h17:structuredBody//*[@ID=\$idvalue] Message No narrative text found for this reference (no content element within this document has an ID that corresponds to '<value-of select="\$idvalue"/>'). role error test parent::*<text()=ancestor::h17:structuredBody//*[@ID=\$idvalue]/text() Message The originalText content MUST be identical to the narrative text for this reference.	
<code>h17:translation</code>		0 ... *		A translation of the code to another coding system (e.g. ISCO-08: 2.16.840.1.113883.2.9.6.2.7)	CDA-CH V2
<code>@code</code>	CS	1 ... 1	R		

<code>L @codeSystem</code>	oid	1 ... 1	R		
<code>L @codeSystemName</code>	st	1 ... 1	R		
<code>L @displayName</code>	st	1 ... 1	R		
<code>L h17:time</code>	IVL_TS.CH.TZ	0 ... 1		Duration of the performance.	CDA-CH V2
<code>L h17:low</code>	TS.CH.TZ	1 ... 1	R	Start of the performance.	CDA-CH V2
<code>L h17:high</code>	TS.CH.TZ	1 ... 1	R	End of the performance.	CDA-CH V2
<code>L h17:assignedEntity</code>		1 ... 1	R	Contains 2.16.756.5.30.1.1.10.9.32 <i>Assigned Entity Compilation with id, name, addr, telecom, person and organization</i> (DYNAMIC)	CDA-CH V2

1.2.15 Human Patient - recordTarget

Id	2.16.756.5.30.1.1.10.2.58	Effective Date	2018-04-19 Other versions this id:
Status	 Under pre-publication review	Version Label	2018
Name	cdachlrep_header_Patient	Display Name	Human Patient - recordTarget

Description

Patient (Human Patient).

Patient identifiers

The id (patient identification number) can be declared multiple times. If multiple identifications are known, all known IDs should be specified. For laboratory reports, all IDs specified by the ordering system are to be returned. This allows the receiver to assign its internal patient identification. OIDs of code systems, which are published in the public OID registry for the Swiss health care system (oid.refdata.ch) are REQUIRED. Others are NOT ALLOWED.

Pseudonymization

In special cases, the demographic data of the patient need not be transmitted or they need to be pseudonymized (e.g., results of genetic or forensic toxicology). The affected values must be replaced by a nullFlavor of type "MSK" (masked), in order to shield the data.

Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.2.58
Label	CDA-CH-LREP
Classification	CDA Header Level Template
Open/Closed	Open (other than defined elements are allowed)


Uses	Uses 1 template				
	Uses	as	Name	Version	
	2.16.756.5.30.1.1.10.9.35	Containment	 Address Information Compilation - eCH-0010 (2017)	DYNAMIC	
Relationship	Specialization: template 2.16.840.1.113883.10.12.101 (2005-09-07)				
Example	Pseudonymization with initials				
	<pre> <recordTarget> <templateId root="2.16.756.5.30.1.1.10.2.58"/> <templateId root="2.16.756.5.30.1.1.10.2.1"/> <patientRole> <id nullFlavor="MSK"/> <addr nullFlavor="MSK"/> <telecom nullFlavor="MSK"/> <patient> <name nullFlavor="MSK"> <family>(only first letter)</family> <given>(only first letter)</given> </name> <administrativeGenderCode nullFlavor="MSK"/> <birthTime nullFlavor="MSK"/> </patient> </patientRole> </recordTarget> </pre>				
Item	DT	Card	Conf	Description	Label

<code>h17:recordTarget</code>			1 ... *	R	Patient (Human Patient).	CDA- ...LREP
<code>h17:templateId</code>	II		1 ... 1	M		CDA- ...LREP
<code>@root</code>	uid		1 ... 1	F	2.16.756.5.30.1.1.10.2.58	
<code>h17:templateId</code>	II		1 ... 1	M		CDA- ...LREP
<code>@root</code>	uid		1 ... 1	F	2.16.756.5.30.1.1.10.2.1	
<code>h17:patientRole</code>			1 ... 1	R	Exactly one patient MUST be declared.	CDA- ...LREP
<code>h17:id</code>	II		1 ... *	R	At least one patient identification MUST be declared.	CDA- ...LREP
<code>@root</code>	uid		1 ... 1	R	MUST contain the OID of the system that issued the ID. OIDs of code systems, which are published in the public OID registry for the Swiss health care system (oid.refdata.ch) are REQUIRED. Others are NOT ALLOWED.	

L @extension	st	0 ... 1		Contains the patient number itself. The number MUST be unique within the system that has issued the number.	
L h17:addr	AD	1 ... *	R	All persons (including patients) and organizations, MUST according to XD-LAB contain name, addr and telecom. Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA- ...LREP
L h17:telecom	TEL	1 ... *	R	All persons (including patients) and organizations, MUST according to XD-LAB contain name, addr and telecom.	CDA- ...LREP
L h17:patient		1 ... 1	R	Exactly one patient MUST be declared.	CDA- ...LREP
L h17:name	PN	1 ... *	R	All persons (including patients) and organizations, MUST according to XD-LAB contain name, addr and telecom.	CDA- ...LREP
L h17:administrativeGenderCode	CE	1 ... 1	R	The sex of the patient MUST be indicated according to XD-LAB.	CDA- ...LREP
	CONF			The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.1 <i>AdministrativeGender</i> (DYNAMIC)	

L h17:birthTime	TS	1 ... 1 R	The date of birth of the patient MUST be given according to XD-LAB.	CDA- ...LREP
-----------------	----	-----------	---	-----------------

1.2.16 Human Patient with Non-Human Subject - recordTarget

Id	2.16.756.5.30.1.1.10.2.27	Effective Date	2017-06-21 Other versions this id:
Status	 Under pre-publication review	Version Label	2017
Name	chpalm_header_RecordTargetHumanPatientWithNonHumanSubject	Display Name	Human Patient with Non-Human Subject - record-Target

Description

ClinicalDocument/recordTarget SHALL be present and SHALL conform to the Human Patient, Non-Human Subject or Human Patient with Non-Human Subject templates defined below. There are three varieties of laboratory reports:

- Human (patient): The document reports laboratory observations produced on specimens collected exclusively from the patient.
- Non-Human Subject: The document reports laboratory observations produced on specimens collected from a non-human material (e.g. water, milk...) or living subject (e.g. animal).
- Human (patient) paired with Non-Human Subject: The document reports laboratory observations produced on a non-human specimen with a relationship to a human patient, (e.g. peanut butter eaten by a patient, a ferret that bit a patient).

Human Patient with Non-Human Subject

When the report assembles observations for a human (patient) with observations produced using a non-human specimen, the recordTarget SHALL represent the human patient.

In accordance with the HL7 CDA R2 standard and further constrained by this specification, the presence of name, addr and telecom is required for all entities in the document including the human patient. Additionally, the following SHALL be present. "1.3.6.1.4.1.19376.1.3.3.1.3"

- `<templateId root="1.3.6.1.4.1.19376.1.3.3.1.3"/>` - The `templateId` element identifies this `recordTarget` as a human patient directly impacted by a non-human subject of laboratory testing. The `templateId` SHALL have `root="1.3.6.1.4.1.19376.1.3.3.1.3"`.
- `<id/>` - `recordTarget/patientRole/id` SHALL be present. It SHALL be representative of the id of the human patient. In this template, the id of the non-human subject is not provided in the header. On a special note, at present, if the document contains a patient and a subject (as in the case of rabies, for example), documentation of the id of the subject cannot be accomplished without an extension to CDA.
- `<administrativeGenderCode/>` - The `patientRole/patient/administrativeGenderCode` SHALL be present.
- `<birthTime/>` - The `patientRole/patient/birthTime` SHALL be present.
- `<structuredBody>` mark-up - In addition to the elements specified in the CDA header for the patient, the non-human subject SHALL be represented in a `Subject` element in level 3 entries in the `structuredBody` as described in template Non-Human Subject 1.3.6.1.4.1.19376.1.3.3.1.2.1.

Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.2.27
Label	IHE PaIM TF3 Rev.8, 6.3.2.11.3
Classification	CDA Header Level Template
Open/Closed	Open (other than defined elements are allowed)
Relationship	Specialization: template 2.16.840.1.113883.10.12.101 (2005-09-07) Specialization: template 1.3.6.1.4.1.19376.1.3.3.1.3 (2008-08-08)

Example	Human patient paired with Non-Human Subject Example
	<pre> <recordTarget typeCode="RCT"> <templateId root="1.3.6.1.4.1.19376.1.3.3.1.3"/> <patientRole classCode="PAT"> <id root="2.999" extension="sw54321"/> <addr> <streetAddressLine>Leidensweg 10</streetAddressLine> <city>Specimendorf</city> <postalCode>9876</postalCode> </addr> </pre>


```

<telecom value="tel:+41.32.685.12.34"/>
<patient classCode="PSN">
  <name>
    <family>Muster</family>
    <given>Max</given>
  </name>
  <administrativeGenderCode code="F"/>
  <birthTime value="19480611"/>
</patient>
</patientRole>
</recordTarget>
    
```

Item	DT	Card	Conf	Description	Label
h17:recordTarget		1 ... *	R	Human Patient with Non-Human Subject.	IHE PaIM TF3 Rev.8, 6.3.2.11.3
└ h17:templateId	II	1 ... 1	M		IHE PaIM TF3 Rev.8, 6.3.2.11.3

└ @root

uid 1 ... 1 F 1.3.6.1.4.1.19376.1.3.3.1.3

Schematron assert	role	 error
	test	//h17:templateId[@root='1.3.6.1.4.1.19376.1.3.3.1.3']
	Message	In addition to the elements specified in the CDA header for the patient, the non-human subject SHALL be represented in a Subject element in level 3 entries in the structuredBody.

└ h17:templateId	II	1 ... 1	M		IHE PaLM TF3 Rev.8, 6.3.2.11.3
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.27	
└ h17:patientRole		1 ... 1	R	Exactly one patient MUST be declared.	IHE PaLM TF3 Rev.8, 6.3.2.11.3
└ h17:id	II	1 ... *	R	At least one patient identification MUST be declared. Note: The identification of the non-human material MUST NOT be declared here. This can not be specified within the same document. See also: IHE PaLM TF3, section 6.3.2.11.3. If the identification of the non-human material is important (for example in rabies), two separate documents should be created (one with the human patient and one with the non-human material).	IHE PaLM TF3 Rev.8, 6.3.2.11.3
└ @extension	st	1 ... 1	R	MUST contain the actual number of non-human material. The number MUST be unique within the system that issued the number.	
└ @root	uid	1 ... 1	R	MUST contain the OID of the system that issued the number. OIDs of code systems, which are published in the public OID registry for the Swiss health care system (oid.refdata.ch) are REQUIRED. Others are NOT ALLOWED.	
└ h17:addr	AD	1 ... *	R	All persons (including patients) and organizations, MUST contain according to XD-LAB name, addr and telecom.	IHE PaLM TF3 Rev.8, 6.3.2.11.3

<code>L h17:telecom</code>	TEL	1 ... *	R	All persons (including patients) and organizations, MUST contain according to XD-LAB name, addr and telecom.	IHE PaIM TF3 Rev.8, 6.3.2.11.3
<code>L h17:patient</code>		1 ... 1	R	Exactly one patient MUST be declared.	IHE PaIM TF3 Rev.8, 6.3.2.11.3
<code>L h17:name</code>	PN	1 ... *	R	All persons (including patients) and organizations, MUST contain according to XD-LAB name, addr and telecom.	IHE PaIM TF3 Rev.8, 6.3.2.11.3
<code>L h17:administrativeGenderCode</code>	CE	1 ... 1	R		IHE PaIM TF3 Rev.8, 6.3.2.11.3
	CONF			The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.1 <i>AdministrativeGender</i> (DYNAMIC)	
<code>L h17:birthTime</code>	TS	1 ... 1	R		IHE PaIM TF3 Rev.8, 6.3.2.11.3

1.2.17 Insurance - participant

Id	2.16.756.5.30.1.1.10.2.15	Effective Date	2018-04-18 Other versions this id:
Status	● Active	Version Label	2017
Name	cdach_header_Insurance	Display Name	Insurance - participant
Description	Information on a patient's insurance. CDA-CH V2 derivatives, i.e. Swiss exchange formats MAY use this template by either reference or specialisation.		
Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.2.15		
Label	CDA-CH V2		
Classification	CDA Header Level Template		
Open/Closed	Open (other than defined elements are allowed)		
Uses	Uses 2 templates		
	Uses	as	Name
	2.16.756.5.30.1.1.10.9.34	Containment	● Person Name Information Compilation - eCH-0011 (2017) DYNAMIC
2.16.756.5.30.1.1.10.9.26	Containment	● Organization Compilation with GLN, name, addr and telecom (2017) DYNAMIC	
Relationship	Specialization: template 2.16.840.1.113883.10.12.108 (2005-09-07)		
Example	Example <pre><participant typeCode="COV"> <templateId root="2.16.756.5.30.1.1.10.2.15"/> <time> <low value="20170910"/> <high nullFlavor="NASK"/> </time> <associatedEntity classCode="PAYOR"></pre>		

```

<id root="2.999" extension="23.253-m"/>
<code code="832.10" codeSystem="2.16.756.5.30.2.1.1.11" codeSystemName="ins-laws" displayName="Federal Act on Health Insurance (HIA)"/>
<scopingOrganization>
  <id root="2.51.1.3" extension="760777777777"/>
  <name>NousPaieronsTous assurances</name>
  <telecom nullFlavor="NASK"/>
  <addr use="WP">
    <streetName>rue payant</streetName>
    <houseNumber>89</houseNumber>
    <postalCode>8888</postalCode>
    <city>Guérison-ville</city>
    <country>CH</country>
  </addr>
</scopingOrganization>
</associatedEntity>
</participant>
    
```

Item	DT	Card	Conf	Description	Label
h17:participant		0 ... *		Information on a patient's insurance.	CDA-CH V2
└ @typeCode	CS	1 ... 1	F	COV	
└ h17:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.15	

<code>L</code> <code>h17:time</code>	IVL_TS.CH.TZ	0 ... 1		Validity period of the contract.	CDA-CH V2
<code>L</code> <code>h17:low</code>	TS.CH.TZ	1 ... 1	R	Start of the contract.	CDA-CH V2
<code>L</code> <code>h17:high</code>	TS.CH.TZ	1 ... 1	R	End of the contract.	CDA-CH V2
<code>L</code> <code>h17:associatedEntity</code>		1 ... 1	R		CDA-CH V2
<code>L</code> <code>@classCode</code>	CS	1 ... 1	F	PAYOR	
<code>L</code> <code>h17:id</code>	II	1 ... 1	R	The id of the contract ([ge]: Versichertennummer; [fr]: Numéro d'assuré).	CDA-CH V2
<code>L</code> <code>@root</code>	uid	1 ... 1	R	The OID of the system that issued the id. OIDs of code systems, which are published in a public OID registry are REQUIRED. Others are NOT ALLOWED.	
<code>L</code> <code>@extension</code>	st	0 ... 1		The id itself. It MUST be unique within the issuing system.	

└─ h17:code	CE	1 ... 1	R	The underlying law for the contract.	CDA-CH V2
└─ @nullFlavor	CS	0 ... 1	F	NAV	
└─ @code	CS	0 ... 1		832.10, 832.20, 221.229.1, 833.1, 831.20	
└─ @codeSystem	oid	0 ... 1	F	2.16.756.5.30.2.1.1.11	
└─ @codeSystemName	st	0 ... 1	F	ins-laws	
└─ @displayName	st	0 ... 1		Federal Act on Health Insurance (HIA), Federal Act on Accident Insurance (AIA), Federal Act on Insurance Policies (Insurance Policies Act, IPA), Federal Act on Military Insurance (MillIA), Federal Act on Invalidity Insurance (InvIA)	
			role	error	
	Schematron assert		test	(@nullFlavor='NAV' and not(@codeSystem or @codeSystemName or @code or @displayName)) or (@codeSystem='2.16.756.5.30.2.1.1.11' and @codeSystemName='ins-laws' and @code and @displayName)	
			Message	Either a valid insurance law or nullFlavor="NAV" is REQUIRED.	
└─ h17:associatedPerson		0 ... 1		Contact person at the insurance company. Contains 2.16.756.5.30.1.1.10.9.34 <i>Person Name Information Compilation - eCH-0011</i> (DYNAMIC)	CDA-CH V2
└─ h17:scopingOrganization		1 ... 1		The insurance company. Contains 2.16.756.5.30.1.1.10.9.26 <i>Organization Compilation with GLN, name, addr and telecom</i> (DYNAMIC)	CDA-CH V2

1.2.18 Insurance Card - participant

Id	2.16.756.5.30.1.1.10.2.14	Effective Date	2018-04-18 Other versions this id:
Status	● Active	Version Label	2017
Name	cdach_header_InsuranceCard	Display Name	Insurance Card - participant
Description	Information on a patient's insurance card. CDA-CH V2 derivatives, i.e. Swiss exchange formats MAY use this template by either reference or specialisation.		
Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.2.14		
Label	CDA-CH V2		
Classification	CDA Header Level Template		
Open/Closed	Open (other than defined elements are allowed)		
Uses	Uses 2 templates		
	Uses	as	Name
			Version
	2.16.756.5.30.1.1.10.9.34	Containment ●	Person Name Information Compilation - eCH-0011 (2017)
	2.16.756.5.30.1.1.10.9.24	Containment ●	Organization Compilation with name (2017)
			DYNAMIC
			DYNAMIC
Relationship	Specialization: template 2.16.840.1.113883.10.12.108 (2005-09-07)		
Example	<p>Example</p> <pre><participant typeCode="HLD"> <templateId root="2.16.756.5.30.1.1.10.2.14"/> <time> <low nullFlavor="NASK"/> </time> </participant></pre>		

```

    <!-- Expiration date of the insurance card. -->
    <high value="20171231"/>
  </time>
  <associatedEntity classCode="POLHOLD">
    <!-- Number of the insurance card. -->
    <id root="2.16.756.5.30.1.123.100.1.1.1" extension="80756123450123456789"/>
    <associatedPerson>
      <!-- Family and given name on the insurance card. -->
      <name>
        <given>Specimen</given>
        <family>Franz</family>
      </name>
    </associatedPerson>
    <scopingOrganization>
      <!-- Name of the issuing insurance. -->
      <name>WirZahlenAlles Versicherungen</name>
    </scopingOrganization>
  </associatedEntity>
</participant>

```

Item	DT	Card	Conf	Description	Label
h17:participant		0 ... *		Information on a patient's insurance card.	CDA-CH V2
└ @typeCode	CS	1 ... 1	F	HLD	
└ h17:templateId	II	1 ... 1	M		CDA-CH V2

L @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.14	
L h17:time	IVL_TS.CH.TZ	1 ... 1	R	Validity period of the insurance card.	CDA-CH V2
L h17:low	TS.CH.TZ	1 ... 1			CDA-CH V2
L @nullFlavor	CS	1 ... 1	F	NASK	
L h17:high	TS.CH.TZ	1 ... 1	R	Expiration date of the insurance card.	CDA-CH V2
L h17:associatedEntity		1 ... 1	R		CDA-CH V2
L @classCode	CS	1 ... 1	F	POLHOLD	
L h17:id	II	1 ... 1	R	The insurance card's id.	CDA-CH V2

└ @root	uid	1 ... 1	F	2.16.756.5.30.1.123.100.1.1.1	
└ @extension	st	1 ... 1	R	Number of the insurance card.	
└ hl7:associatedPerson		0 ... 1		Family and given name on the insurance card. Contains 2.16.756.5.30.1.1.10.9.34 <i>Person Name Information Compilation - eCH-0011</i> (DYNAMIC)	CDA-CH V2
└ hl7:scopingOrganization		0 ... 1		The insurance company which issued the insurance card. Contains 2.16.756.5.30.1.1.10.9.24 <i>Organization Compilation with name</i> (DYNAMIC)	CDA-CH V2

1.2.19 Laboratory Performer - documentationOf

Id	2.16.756.5.30.1.1.10.2.28	Effective Date	2017-06-21 Other versions this id:
Status	● Under pre-publication review	Version Label	2017
Name	chpalm_header_DocumentationOfLaboratoryPerformer	Display Name	Laboratory Performer - documentationOf

Description


Laboratory Performer template in the CDA header (ClinicalDocument/documentationOf/serviceEvent)

ClinicalDocument/documentationOf(s) MAY be present. The documentationOf/serviceEvent represents the main Act being documented, that is an act of reporting Result Event(s) produced by a laboratory.

Use of sub element documentationOf/serviceEvent/effectiveTime to document the time boundaries of events in the document is appropriate.

This laboratory report content module adds the optional sub element documentationOf/serviceEvent/statusCode to enable the sharing of non-final reports. A report is considered as non-final (e.g., a preliminary report) if and only if it documents an Act, which is still in the status "active" (i.e., serviceEvent/statusCode@code="active").

The statusCode sub element is an extension to the CDA R2 schema. This sub-element is optional. When it is not there, the documented Act is assumed to be completed and the report is assumed to be a final report.

Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.2.28			
Label	IHE PaIM TF3 Rev.8, 6.3.2.20			
Classification	CDA Header Level Template			
Open/Closed	Open (other than defined elements are allowed)			
Uses	Uses 1 template			
	Uses	as	Name	Version
	2.16.756.5.30.1.1.10.4.7	Containment 	Laboratory Performer - performer Containment (2017)	DYNAMIC
Relationship	Specialization: template 2.16.840.1.113883.10.12.110 (2005-09-07)			

<p>Example</p>	<div style="background-color: #ffffcc; padding: 5px; margin-bottom: 10px;">Example</div> <pre> <documentationOf> <templateId root="2.16.756.5.30.1.1.10.2.28"/> <serviceEvent> <effectiveTime> <low value="20180320105641"/> </effectiveTime> <performer> <!-- template 2.16.756.5.30.1.1.10.4.7 'Laboratory Performer' --> </performer> </serviceEvent> </documentationOf> </pre>
----------------	---

Item	DT	Card	Conf	Description	Label
h17:documentationOf		0 ... *			IHE PalM TF3 Rev.8, 6.3.2.20
└ h17:templateId	II	1 ... 1	M		IHE PalM TF3 Rev.8, 6.3.2.20
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.28	
└ h17:serviceEvent		1 ... 1	R		IHE PalM TF3 Rev.8, 6.3.2.20

<code>h17:effectiveTime</code>	IVL_TS.CH.TZ	0 ... 1	Use of sub element documentationOf/serviceEvent/effectiveTime to document the time boundaries of events in the document is appropriate.	IHE PaIM TF3 Rev.8, 6.3.2.20
<code>h17:performer</code>		0 ... *	Laboratory Performer template in the CDA header. Contains 2.16.756.5.30.1.1.10.4.7 <i>Laboratory Performer - performer Containment</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.2.20
where [h17:assignedEntity]				

1.2.20 Legal Authenticator

Id	2.16.756.5.30.1.1.10.2.61	Effective Date	2018-04-19 Other versions this id:
Status	● Under pre-publication review	Version Label	2018
Name	cdachlrep_header_LegalAuthenticator	Display Name	Legal Authenticator
Description	Legal authenticator.		
Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.2.61		
Label	CDA-CH-LREP		
Classification	CDA Header Level Template		
Open/Closed	Open (other than defined elements are allowed)		

Uses	Uses 1 template				
	Uses	as	Name		Version
	2.16.756.5.30.1.1.10.9.47	Containment	AssignedEntity Compilation for Laboratory (2018)		DYNAMIC
Relationship	Specialization: template 2.16.756.5.30.1.1.10.2.5 (DYNAMIC)				
Example	Example				
	<pre> <legalAuthenticator> <templateId root="2.16.756.5.30.1.1.10.2.61"/> <templateId root="2.16.756.5.30.1.1.10.2.5"/> <time value="20180320182536+0100"/> <signatureCode code="S" codeSystem="2.16.840.1.113883.1.11.10282" codeSystemName="ParticipationSignature" displayName="signed"/> <assignedEntity> <!-- template 2.16.756.5.30.1.1.10.9.47 'AssignedEntity for Laboratory' --> </assignedEntity> </legalAuthenticator> </pre>				
Item	DT	Card	Conf	Description	Label
h17:legalAuthenticator		0 ... 1		Legal authenticator.	CDA-...LREP

└ h17:templateId	II	1 ... 1	M		CDA- ...LREP
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.61	
└ h17:templateId	II	1 ... 1	M		CDA- ...LREP
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.5	
└ h17:time	TS.CH.TZ	1 ... 1	R	Date of the signature.	CDA- ...LREP
└ h17:signatureCode	CS	1 ... 1	R		CDA- ...LREP
└ @code	cs	1 ... 1	F	S	
└ @codeSystem	oid	1 ... 1	F	2.16.840.1.113883.1.11.10282	
└ @codeSystemName	st	1 ... 1	F	ParticipationSignature	
└ @displayName	st	1 ... 1	F	signed	

	CONF	The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.10282 <i>ParticipationSignature</i> (DYNAMIC)	
L h17:assignedEntity		1 ... 1 R	The GLN MUST be used to identify the legal authenticator (e.g., laboratory manager or responsible physician). All persons and organizations, MUST according to XD-LAB contain name, addr and telecom. Contains 2.16.756.5.30.1.1.10.9.47 <i>AssignedEntity Compilation for Laboratory</i> (DYNAMIC)
			CDA-...LREP

1.2.21 Non-Human Subject - recordTarget

Id	2.16.756.5.30.1.1.10.2.26	Effective Date	2017-06-21 Other versions this id:
Status	● Under pre-publication review	Version Label	2017
Name	chpalm_header_RecordTargetNonHumanSubject	Display Name	Non-Human Subject - recordTarget

Description

ClinicalDocument/recordTarget SHALL be present and SHALL conform to the Human Patient, Non-Human Subject or Human Patient with Non-Human Subject templates defined below. There are three varieties of laboratory reports:

- Human (patient): The document reports laboratory observations produced on specimens collected exclusively from the patient.
- Non-Human Subject: The document reports laboratory observations produced on specimens collected from a non-human material (e.g. water, milk...) or living subject (e.g. animal).
- Human (patient) paired with Non-Human Subject: The document reports laboratory observations produced on a non-human specimen with a relationship to a human patient, (e.g. peanut butter eaten by a patient, a ferret that bit a patient).

Non-Human Subject

When the subject of the observations in the report is a sample exclusively taken from a non-human subject, such as an animal, a lake, soil or other environmental element, the following SHALL be present.

- `<templateId root="1.3.6.1.4.1.19376.1.3.3.1.2"/>` - The `templateId` element identifies this `recordTarget` as a non-human subject of laboratory testing. The `templateId` SHALL have `root="1.3.6.1.4.1.19376.1.3.3.1.2"`.
- `<id/>` - `/patientRole/id` SHALL be present and SHALL represent the id of the non-human subject.
- `<patient@nullFlavor/>` - The `recordTarget/patientRole` SHALL have a `patient` sub-element and its `nullFlavor` SHALL be set to "OTH". This indicates that other information pertaining to the non-human subject can be found in the body of the document.
- `<structuredBody>` mark-up - In addition to the elements specified in the CDA header for the non-human subject, this non-human subject SHALL be represented in a `Subject` element in level 3 entries in the `structuredBody` as described in template Non-Human Subject 1.3.6.1.4.1.19376.1.3.3.1.2.1.

Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.2.26
Label	IHE PaIM TF3 Rev.8, 6.3.2.11.2
Classification	CDA Header Level Template
Open/Closed	Open (other than defined elements are allowed)
Relationship	Specialization: template 2.16.840.1.113883.10.12.101 (2005-09-07) Specialization: template 1.3.6.1.4.1.19376.1.3.3.1.2 (2008-08-08)

Example	Non-Human Subject Example
	<pre> <recordTarget typeCode="RCT"> <templateId root="1.3.6.1.4.1.19376.1.3.3.1.2"/> <templateId root="2.16.756.5.30.1.1.10.2.26"/> <patientRole classCode="PAT"> <id root="1.3.6.1.4.1.19376.1.3.4" extension="66373839"/> <patient nullFlavor="OTH"/> </patientRole> </pre>


```
</recordTarget>
```

Item	DT	Card	Conf	Description	Label
h17:recordTarget		1 ... *	R	Non-Human Subject.	IHE PaIM TF3 Rev.8, 6.3.2.11.2
└ h17:templateId	II	1 ... 1	M		IHE PaIM TF3 Rev.8, 6.3.2.11.2
└ @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.3.3.1.2	
	Schematron assert	role	● error		
		test		//h17:templateId[@root='1.3.6.1.4.1.19376.1.3.3.1.2.1']	
		Message		In addition to the elements specified in the CDA header for the non-human subject, this non-human subject SHALL be represented in a Subject element in level 3 entries in the structuredBody.	
└ h17:templateId	II	1 ... 1	M		IHE PaIM TF3 Rev.8, 6.3.2.11.2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.26	

<code>L</code> <code>h17:patientRole</code>		1 ... 1	R		IHE PaIM TF3 Rev.8, 6.3.2.11.2
<code>L</code> <code>h17:id</code>	II	1 ... *	R		IHE PaIM TF3 Rev.8, 6.3.2.11.2
<code>L</code> <code>@root</code>	uid	1 ... 1	R	MUST contain the OID of the system that issued the number. OIDs of code systems, which are published in the public OID registry for the Swiss health care system (oid.refdata.ch) are REQUIRED. Others are NOT ALLOWED.	
<code>L</code> <code>@extension</code>	st	0 ... 1		Contains the actual number of non-human material. The number MUST be unique within the system that issued the number.	
<code>L</code> <code>h17:patient</code>		1 ... 1			IHE PaIM TF3 Rev.8, 6.3.2.11.2
<code>L</code> <code>@nullFlavor</code>	CS	1 ... 1	F	OTH	
				Indicates that there are laboratory tests for this non-human material in the CDA Body.	

1.2.22 Order Reference - inFulfillmentOf

Id	2.16.756.5.30.1.1.10.2.16	Effective Date	2018-04-18 Other versions this id:
Status	● Active	Version Label	2017
Name	cdach_header_OrderReference	Display Name	Order Reference - inFulfillmentOf

Description

Reference to one or more orders which led to the creation of this CDA document. It SHALL be declared, when the order reference is relevant for some reason. All CDA-CH V2 derivatives, i.e. Swiss exchange formats MUST reference this template.

Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.2.16
Label	CDA-CH V2
Classification	CDA Header Level Template
Open/Closed	Open (other than defined elements are allowed)
Relationship	Specialization: template 2.16.840.1.113883.10.12.109 (2005-09-07)

Example	<p>Order reference on a CDA-CH V2 (2017) document</p> <pre><inFulfillmentOf> <templateId root="2.16.756.5.30.1.1.10.2.16"/> <order> <id root="9F44AE66-D70B-46DA-89AD-82A51C7A11C6"/> </order> </inFulfillmentOf></pre>
	<p>Order reference to an order created by an ERP system</p> <pre><inFulfillmentOf> <templateId root="2.16.756.5.30.1.1.10.2.16"/></pre>

```

<order>
  <id root="2.999" extension="AU-20170021987"/>
</order>
</inFulfillmentOf>
    
```

Item	DT	Card	Conf	Description	Label
h17:inFulfillmentOf		0 ... *		Reference to one or more orders which led to the creation of this CDA document. It SHALL be declared, when the order reference is relevant for some reason.	CDA-CH V2
└ h17:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.16	
└ h17:order		1 ... 1	R		CDA-CH V2
└ h17:id	II	1 ... *	R	Order number.	CDA-CH V2
└ @root	uid	1 ... 1	R	Either the same GUID (order id) or the same OID (order issuing system) as the order itself.	

L@extension

st 0 ... 1

Contains the order ID itself. The ID MUST be unique within the system that issued the ID.

1.2.23 Recipient

Id	2.16.756.5.30.1.1.10.2.57	Effective Date	2018-04-19 Other versions this id:
Status	● Under pre-publication review	Version Label	2018
Name	cdachlrep_header_Recipient	Display Name	Recipient


Description

The laboratory report MUST contain at least one receiver. This can be a person or an institution. If the document is created for internal use, the recipient can include the same information as author or custodian. In case of health care professionals the declaration is as for custodian. For patients or other persons, the declaration is as for recordTarget or author.

Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.2.57
Label	CDA-CH-LREP
Classification	CDA Header Level Template
Open/Closed	Open (other than defined elements are allowed)
Uses	Uses 3 templates


	Uses	as	Name	Version
	2.16.756.5.30.1.1.10.9.35	Containment	● Address Information Compilation - eCH-0010 (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.9.34	Containment	● Person Name Information Compilation - eCH-0011 (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.9.27	Containment	● Organization Compilation with name, addr, telecom (2017)	DYNAMIC
Relationship	Specialization: template 1.3.6.1.4.1.19376.1.3.3.1.4 (DYNAMIC) Specialization: template 2.16.756.5.30.1.1.10.2.4 (DYNAMIC)			
Example	<div style="background-color: #ffffcc; padding: 2px;">Example</div> <pre> <informationRecipient typeCode="PRCP"> <templateId root="2.16.756.5.30.1.1.10.2.4"/> <templateId root="2.16.756.5.30.1.1.10.2.57"/> <templateId root="1.3.6.1.4.1.19376.1.3.3.1.4"/> <intendedRecipient> <addr use="WP"> <streetName>Spitalstr.</streetName> <houseNumber>23</houseNumber> <postalCode>8888</postalCode> <city>Musterhausen</city> <country>CH</country> </addr> <telecom use="PUB" value="tel:+41.32.211.11.11"/> </intendedRecipient> <receivedOrganization> <name>Kantonales Spital, Aerztliche Leitung, Klinik für Orthopädie</name> <telecom use="PUB" value="tel:+41.32.211.11.11"/> <addr use="WP"> <streetName>Spitalstr.</streetName> <houseNumber>23</houseNumber> <postalCode>8888</postalCode> <city>Musterhausen</city> <country>CH</country> </addr> </receivedOrganization> </informationRecipient> </pre>			

Item	DT	Card	Conf	Description	Label
h17:informationRecipient		1 ... *		The laboratory report MUST contain at least one receiver.	CDA-...LREP
└ @typeCode	cs	1 ... 1	R	The main recipient of the document MUST be specified using typeCode 'PRCP' (primary recipient). Other receivers (copy to; Cc) MUST be specified using typeCode 'TRC' (tracker).	
	CONF			The value of @typeCode shall be drawn from value set 2.16.840.1.113883.1.11.19366 x_Information-Recipient (DYNAMIC)	
└ h17:templateId	II	1 ... 1	M		CDA-...LREP
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.4	
└ h17:templateId	II	1 ... 1	M		CDA-...LREP
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.57	
└ h17:templateId	II	1 ... 1	M		CDA-...LREP

└ @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.3.3.1.4	
└ h17:intendedRecipient		1 ... 1	M	The laboratory report MUST contain at least one receiver.	CDA-...LREP
└ h17:addr	AD	1 ... *	R	An address MUST be present according to XD-LAB. Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA-...LREP
└ h17:telecom	TEL	1 ... *	R	A communication mean MUST be present according to XD-LAB.	CDA-...LREP
└ h17:informationRecipient		0 ... 1		If the person of the recipient is used, it MUST according to XD-LAB declare a name. Contains 2.16.756.5.30.1.1.10.9.34 <i>Person Name Information Compilation - eCH-0011</i> (DYNAMIC)	CDA-...LREP
└ h17:receivedOrganization		0 ... 1		If the organization of the recipient is used, it MUST according to XD-LAB declare name, addr and telecom. Contains 2.16.756.5.30.1.1.10.9.27 <i>Organization Compilation with name, addr, telecom</i> (DYNAMIC)	CDA-...LREP
	Schematron assert	role	 error		
		test		h17:informationRecipient[not(@nullFlavor)] or h17:receivedOrganization[not(@nullFlavor)]	
		Message		Either the recipients person or organization MUST be declared.	

1.3 CDA Section Level Templates

1.3.1 Current Pregnancy Section - coded

Id	2.16.756.5.30.1.1.10.3.53	Effective Date	2018-04-19 Other versions this id:
Status	 Under pre-publication review	Version Label	2018
Name	chpcc_section_CurrentPregnancyCoded	Display Name	Current Pregnancy Section - coded

Description

Chapter (CDA Body Section) containing the information about a current pregnancy. This section is specialisation of the Pregnancy History section according to IHE PCC Technical Framework Revision 11.0 - November 11, 2016.

The section **MUST** contain at least one Pregnancy Observation entry. In case of no pregnancy, one of the 'special case' codes **MUST** be used.

This section **SHALL** not be present for male patients.

For eVACDOC, this section **MUST** only contain the estimated delivery date.

Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.3.53
Label	CDA-CH V2 Body Templates
Classification	CDA Section Level Template
Open/Closed	Open (other than defined elements are allowed)



Uses	Uses 2 templates				
	Uses	as	Name	Version	
	2.16.756.5.30.1.1.10.4.102	Containment	Pregnancy Observation Delivery Date (2018)	DYNAMIC	
2.16.756.5.30.1.1.10.4.92	Containment	Pregnancy Observation Entry (2016)	DYNAMIC		
Relationship	Specialization: template 2.16.756.5.30.1.1.10.3.52 (DYNAMIC) Adaptation: template 1.3.6.1.4.1.19376.1.5.3.1.1.5.3.4 (DYNAMIC) Specialization: template 2.16.840.1.113883.10.12.201 (2005-09-07)				
Example	Example				
	<pre> <section> <templateId root="2.16.756.5.30.1.1.10.3.52"/> <templateId root="1.3.6.1.4.1.19376.1.5.3.1.1.5.3.4"/> <code code="10162-6" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="HISTORY OF PREGNANCIES"/> <title>Gravidanze</title> <text> <!-- Narrative Text --> </text> <entry typeCode="DRIV"> <!-- template 2.16.756.5.30.1.1.10.4.92 'Pregnancy Observation Entry' --> </entry> </section> </pre>				
Item	DT	Card	Conf	Description	Label

<p>h17:section</p>				<p>Chapter (CDA Body Section) containing the information about a current pregnancy. This section is specialisation of the Pregnancy History section according to IHE PCC Technical Framework Revision 11.0 - November 11, 2016.</p> <p>The section MUST contain at least one Pregnancy Observation entry. In case of no pregnancy, one of the 'special case' codes MUST be used.</p> <p>This section SHALL not be present for male patients.</p> <p>For eVACDOC, this section MUST only contain the estimated delivery date.</p>	<p>CDA-CH V2 Body Templates</p>
<p>└ h17:templateId</p>	<p>II</p>	<p>1 ... 1</p>	<p>M</p>		<p>CDA-CH V2 Body Templates</p>
<p>└ @root</p>	<p>uid</p>	<p>1 ... 1</p>	<p>F</p>	<p>2.16.756.5.30.1.1.10.3.53</p>	
<p>└ h17:templateId</p>	<p>II</p>	<p>1 ... 1</p>	<p>M</p>		<p>CDA-CH V2 Body Templates</p>
<p>└ @root</p>	<p>uid</p>	<p>1 ... 1</p>	<p>F</p>	<p>1.3.6.1.4.1.19376.1.5.3.1.1.5.3.4</p>	


└ h17:templateId	II	1 ... 1	M		CDA-CH V2 Body Templates
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.127.77.1.10.1	
└ h17:id	II	0 ... *	R	An ID for this section MAY be filled for traceability.	CDA-CH V2 Body Templates
└ @root	uid	1 ... 1	R	MUST contain the OID of the system that issued the ID. OIDs of code systems, which are published in the public OID registry for the Swiss health care system (oid.refdata.ch) are REQUIRED. Others are NOT ALLOWED.	
└ @extension	st	0 ... 1		Contains the ID itself. The ID MUST be unique within the system that issued the ID.	
└ h17:code	CE	1 ... 1	M		CDA-CH V2 Body Templates
└ @code	st	1 ... 1	F	10162-6	
└ @codeSystem	oid	1 ... 1	F	2.16.840.1.113883.6.1	
└ @codeSystemName	st	1 ... 1	F	LOINC	
└ @displayName	st	1 ... 1	F	HISTORY OF PREGNANCIES	

<p>└ h17:title</p>	<p>ST</p>	<p>1 ... 1</p>	<p>M</p>		<p>CDA-CH V2 Body Templates</p>
<p>CONF</p>		<p>element content shall be "Pregnancy" -or- element content shall be "Schwangerschaft" -or- element content shall be "Grossesse" -or- element content shall be "Gravidanza"</p>			
<p>Variable let</p>		<p>Name</p>	<p>languageCode</p>		
		<p>Value</p>	<p>substring(/hl7:ClinicalDocument/hl7:languageCode/@code,1,2)</p>		
<p>Schematron assert</p>		<p>role</p>	<p>error</p>		
		<p>test</p>	<p>not(\$languageCode='en') or (text()='Pregnancy')</p>		
		<p>Message</p>	<p>The English title MUST read 'Pregnancy'</p>		
<p>Schematron assert</p>		<p>role</p>	<p>error</p>		
		<p>test</p>	<p>not(\$languageCode='de') or (text()='Schwangerschaft')</p>		
		<p>Message</p>	<p>The German title must MUST read 'Schwangerschaft'</p>		
<p>Schematron assert</p>		<p>role</p>	<p>error</p>		
		<p>test</p>	<p>not(\$languageCode='fr') or (text()='Grossesse')</p>		
		<p>Message</p>	<p>The French title MUST read 'Grossesse'</p>		
<p>Schematron assert</p>		<p>role</p>	<p>error</p>		
		<p>test</p>	<p>not(\$languageCode='it') or (text()='Gravidanza')</p>		

			Message	The Italian title MUST read 'Gravidanza'	
<code>h17:text</code>	SD.TEXT	1 ... 1	M	The narrative text for this section.	CDA-CH V2 Body Templates
Choice		1 ... *		<p>Elements to choose from:</p> <ul style="list-style-type: none"> h17:entry containing template 2.16.756.5.30.1.1.10.4.102 <i>Pregnancy Observation Delivery Date</i> (DYNAMIC) h17:entry containing template 2.16.756.5.30.1.1.10.4.92 <i>Pregnancy Observation Entry</i> (DYNAMIC) 	
<code>h17:entry</code>		0 ... 1	C	The narrative text in the text element of the section MUST be generated automatically from the information in this entry. Contains 2.16.756.5.30.1.1.10.4.102 <i>Pregnancy Observation Delivery Date</i> (DYNAMIC)	CDA-CH V2 Body Templates
where [h17:observation]					
<code>@typeCode</code>	CS	1 ... 1	F	DRIV	
<code>h17:entry</code>		0 ... *	C	The narrative text in the text element of the section MUST be generated automatically from the information in this entry. Contains 2.16.756.5.30.1.1.10.4.92 <i>Pregnancy Observation Entry</i> (DYNAMIC)	CDA-CH V2 Body Templates
where [h17:observation [h17:code [concat(@code, @codeSystem) = doc("include/voc-2.16.756.5.30.1.1.11.78-DYNAMIC.xml")/valueSet [1]/conceptList/concept/concat(@code, @codeSystem)]]]					
<code>@typeCode</code>	CS	1 ... 1	F	DRIV	

Schematron assert	role	 error
	test	not(//templateId[@root='2.16.756.5.30.1.1.10.4.92'])
	Message	This template is not allowed in CDA-CH-VACD.
Schematron assert	role	 error
	test	not(/hl7:ClinicalDocument/hl7:recordTarget/hl7:patientRole/hl7:patient/hl7:administrativeGenderCode/@code='M')
	Message	This section is not allowed for male patients.

1.3.2 Laboratory Report Item Section - coded

Id	2.16.756.5.30.1.1.10.3.5	Effective Date	2017-06-21 Other versions this id:
Status	 Under pre-publication review	Version Label	2017
Name	chpalm_section_LaboratoryReportItemCoded	Display Name	Laboratory Report Item Section - coded

Description

A Laboratory Specialty Section SHALL contain EITHER a list of Laboratory Report Item Section(s) OR a single text and entry element to represent the Report Items.

Choice 1: Use of sub-sections (Laboratory Report Item Sections):

With this option, the results of the examination MUST be documented in the subsections, and the main section (Laboratory Specialty Section) MUST NOT contain any text OR entry elements.

Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.3.5							
Label	IHE PaIM TF3 Rev.8, 6.3.3.2							
Classification	CDA Section Level Template							
Open/Closed	Open (other than defined elements are allowed)							
Uses	Uses 1 template							
	<table border="1"> <thead> <tr> <th>Uses</th> <th>as</th> <th>Name</th> <th>Version</th> </tr> </thead> <tbody> <tr> <td>2.16.756.5.30.1.1.10.4.4</td> <td>Containment</td> <td>🟡 Laboratory Report Data Processing Entry (2017)</td> <td>DYNAMIC</td> </tr> </tbody> </table>	Uses	as	Name	Version	2.16.756.5.30.1.1.10.4.4	Containment	🟡 Laboratory Report Data Processing Entry (2017)
Uses	as	Name	Version					
2.16.756.5.30.1.1.10.4.4	Containment	🟡 Laboratory Report Data Processing Entry (2017)	DYNAMIC					
Relationship	Specialization: template 2.16.840.1.113883.10.12.201 (2005-09-07) Specialization: template 1.3.6.1.4.1.19376.1.3.3.2.2 (2008-08-08)							
Example	<p>Example</p> <pre><section> <templateId root="1.3.6.1.4.1.19376.1.3.3.2.2"/> <templateId root="2.16.756.5.30.1.1.10.3.5"/> <code displayName="Cell marker studies" codeSystemName="LOINC" codeSystem="2.16.840.1.113883.6.1" code="18718-7"/> <title>Laborbefund - Molekularbiologie</title> <text/> <entry typeCode="DRIV"> <!-- template 2.16.756.5.30.1.1.10.4.4 'Laboratory Report Data Processing Entry' --> </entry></pre>							

</section>







Item	DT	Card	Conf	Description	Label
h17:section					IHE PaIM TF3 Rev.8, 6.3.3.2
└ h17:templateId	II	1 ... 1	M		IHE PaIM TF3 Rev.8, 6.3.3.2
└ @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.3.3.2.2	
└ h17:templateId	II	1 ... 1	M		IHE PaIM TF3 Rev.8, 6.3.3.2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.3.5	
└ h17:id	II	0 ... 1		An ID for this section MAY be filled for traceability.	IHE PaIM TF3 Rev.8, 6.3.3.2
└ @root	uid	1 ... 1	R	MUST contain the OID of the system that issued the ID. OIDs of code systems, which are published in the public OID registry for the Swiss health care system (oid.refda-	

└ @extension	st	0 ... 1		ta.ch) are REQUIRED. Others are NOT ALLOWED. Contains the ID itself. The ID MUST be unique within the system that issued the ID.	IHE PaM TF3 Rev.8, 6.3.3.2
└ h17:code	CE	1 ... 1	R	This declares the laboratory discipline of the section.	IHE PaM TF3 Rev.8, 6.3.3.2
└ @code	cs	1 ... 1	R	The code MUST be declared and taken from the value set 'Laboratory Specialties'.	
└ @codeSystem	oid	1 ... 1	F	2.16.840.1.113883.6.1	
└ @codeSystemName	st	1 ... 1	F	LOINC	
└ @displayName		1 ... 1	R	The displayName of the code MUST be specified for tracking purposes. However, processing is NOT ALLOWED. Instead, a processing system is to display a user readable language translation of the code from the value set.	
	CONF			The value of @code shall be drawn from value set 1.3.6.1.4.1.19376.1.3.11.1 <i>Laboratory Specialties</i> (DYNAMIC)	
└ h17:title	ST	1 ... 1	M	The title of the chapter MUST be specified and correspond to the following text format, where <human readable code> contains the corresponding translation of the document LOINC code: <ul style="list-style-type: none"> ▪ [ge]: 'Laborbefund - <human readable code>' ▪ [fr]: 'Rapport de laboratoire - <human readable code>' ▪ [it]: 'Referto di laboratorio - <human readable code>' ▪ [en]: 'Laboratory Specialty - <human readable code>' 	IHE PaM TF3 Rev.8, 6.3.3.2


The following translations of the LOINC codes given in XD-LAB MUST be used:

LOINC Code	Text
18717-9	[ge]: Immunhämatologie [fr]: Immunohématologie [it]: Immunoematologia
18718-7	[ge]: Molekularbiologie [fr]: Biologie moléculaire [it]: Biologia molecolare
18719-5	[ge]: Chemie [fr]: Chimie [it]: Chimica
18720-3	[ge]: Gerinnung [fr]: Coagulation [it]: Coagulazione
18721-1	[ge]: Medikamente [fr]: Médicaments [it]: Medicamenti
18722-9	[ge]: Fertilität [fr]: Fertilité [it]: Fertilità
18723-7	[ge]: Hämatologie [fr]: Hématologie [it]: Ematologia
18724-5	[ge]: HLA [fr]: HLA [it]: HLA
18725-2	[ge]: Mikrobiologie [fr]: Microbiologie [it]: Microbiologia
18727-8	[ge]: Serologie

				18728-6	[fr]: Sérologie [it]: Sierologia [ge]: Toxikologie [fr]: Toxicologie [it]: Tessicologia
				18729-4	[ge]: Urin Untersuchungen [fr]: Analyses dans l'urine [it]: Analisi nelle urine
				18767-4	[ge]: Blutgase [fr]: Gazométrie [it]: Gasometria
				18768-2	[ge]: Differenzialblutbild [fr]: Répartition leucocytaire [it]: Differenziazione leucocitaria
				18769-0	[ge]: Antibiogramme [fr]: Antibiogramme [it]: Antibiogramma
				26435-8	[ge]: Molekulare Pathologie [fr]: Pathologie moleculaire [it]: Patologia molecolare
				26436-6	[ge]: Laboruntersuchungen [fr]: Études de laboratoire [it]: Esami di laboratorio
				26437-4	[ge]: Stimulationen [fr]: Stimulation [it]: Stimolazione
				26438-2	[ge]: Zytologie [fr]: Cytologie [it]: Citologia
	Example	German <title>Laborbefund - Immunhämatologie</title>			
	Example	English <title>Laboratory Specialty - Blood Bank Studies</title>			

	Variable let	Name	languageCode				
		Value	substring(/hl7:ClinicalDocument/hl7:languageCode/@code,1,2)				
	Schematron assert	role	 error				
		test	not(\$languageCode='en') or starts-with(text(),'Laboratory report')				
		Message	The English title must start with 'Laboratory report'				
	Schematron assert	role	 error				
		test	not(\$languageCode='de') or starts-with(text(),'Laborbefund')				
		Message	The German title must start with 'Laborbefund'				
	Schematron assert	role	 error				
		test	not(\$languageCode='fr') or starts-with(text(),'Rapport de laboratoire')				
		Message	The French title must start with 'Rapport de laboratoire'				
	Schematron assert	role	 error				
		test	not(\$languageCode='it') or starts-with(text(),'Rapporto di laboratorio')				
		Message	The Italian title must start with 'Rapporto di laboratorio'				
 hl7:text	SD.TEXT	1 ... 1	R		The laboratory results MUST be automatically generated readable for humans in the text element of the section from the information in the Laboratory Data Processing Entry.		IHE PaIM TF3 Rev.8, 6.3.3.2
 hl7:entry		1 ... 1	R		The narrative text in the text element of the section MUST be generated automatically from the information in this entry. Contains 2.16.756.5.30.1.1.10.4.4 <i>Laboratory Report Data Processing Entry</i> (DYNAMIC)		IHE PaIM TF3 Rev.8, 6.3.3.2
 @typeCode	cs	1 ... 1	F		DRIV		

1.3.3 Laboratory Speciality Section - coded

Id	2.16.756.5.30.1.1.10.3.3	Effective Date	2017-06-21 Other versions this id:
Status	 Under pre-publication review	Version Label	2017
Name	chpalm_section_LaboratorySpecialtyCoded	Display Name	Laboratory Speciality Section - coded

Description

Chapter (CDA Body Section) with laboratory results according to Sharing Laboratory Reports (XD-LAB) Content Module, IHE PaLM Technical Framework Revision 8.0 - June 21, 2017.

Each Laboratory Specialty Section contains laboratory tests of a particular discipline (e.g., microbiology or serology).

The Laboratory Specialty Section uses LOINC codes to define the appropriate discipline. Laboratory Specialty Sections MUST NOT be nested.

A Laboratory Specialty Section SHALL contain EITHER a list of Laboratory Report Item Section(s) OR a single text and entry element to represent the Report Items:

- **Choice 1: Laboratory Report Item Section**

With this option, this Laboratory Specialty Section SHALL contain NEITHER a top level text NOR entry elements. Each Report Item is contained in a corresponding Laboratory Report Item Section which contains the Lab Report Data Processing Entry.

- **Choice 2: Text and Entry**

With this option, the examination results MUST be documented in the text element of the section and the corresponding entry element (Laboratory Data Processing Entry). The human-readable text MUST be generated automatically from the entry and its sub-elements.

For this purpose the presentation options according to the CDA Narrative Block schema (NarrativeBlock.xsd) may be used: tables, lists, paragraphs, hyperlinks, footnotes, references to attached or embedded multimedia objects.

If a document contains multiple Laboratory Specialty Sections, Choice 1 or Choice 2 can be selected for each individual chapter.

Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.3.3
Label	IHE PaLM TF3 Rev.8, 6.3.3.1
Classification	CDA Section Level Template
Open/Closed	Open (other than defined elements are allowed)

Uses	Uses 2 templates											
	<table border="1"> <thead> <tr> <th>Uses</th> <th>as</th> <th>Name</th> <th>Version</th> </tr> </thead> <tbody> <tr> <td>2.16.756.5.30.1.1.10.3.5</td> <td>Containment</td> <td>Laboratory Report Item Section - coded (2017)</td> <td>DYNAMIC</td> </tr> <tr> <td>2.16.756.5.30.1.1.10.4.4</td> <td>Containment</td> <td>Laboratory Report Data Processing Entry (2017)</td> <td>DYNAMIC</td> </tr> </tbody> </table>	Uses	as	Name	Version	2.16.756.5.30.1.1.10.3.5	Containment	Laboratory Report Item Section - coded (2017)	DYNAMIC	2.16.756.5.30.1.1.10.4.4	Containment	Laboratory Report Data Processing Entry (2017)
Uses	as	Name	Version									
2.16.756.5.30.1.1.10.3.5	Containment	Laboratory Report Item Section - coded (2017)	DYNAMIC									
2.16.756.5.30.1.1.10.4.4	Containment	Laboratory Report Data Processing Entry (2017)	DYNAMIC									
Relationship	Specialization: template 2.16.840.1.113883.10.12.201 (2005-09-07) Specialization: template 1.3.6.1.4.1.19376.1.3.3.2.1 (2008-08-08)											
Example	<div style="background-color: #ffffcc; padding: 5px; margin-bottom: 10px;">Specialty Section that holds a leaf section and Leaf Section that holds one Report Item</div> <pre> <section classCode="DOCSECT"> <templateId root="2.16.756.5.30.1.1.10.3.3"/> <templateId root="1.3.6.1.4.1.19376.1.3.3.2.1"/> <code code="18723-7" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="HEMATOLOGY STUDIES"/> <title>Laborbefund - Hämatologie</title> <component> <section> <templateId root="1.3.6.1.4.1.19376.1.3.3.2.2"/> <!-- Leaf Section that holds one Report Item --> </section> </component> </section> </pre>											
Example	<div style="background-color: #ffffcc; padding: 5px; margin-bottom: 10px;">Specialty Section that holds Report Items directly as a Laboratory Report Data Processing Entry</div> <pre> <section classCode="DOCSECT"> <templateId root="2.16.756.5.30.1.1.10.3.3"/> <templateId root="1.3.6.1.4.1.19376.1.3.3.2.1"/> <code code="18719-5" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="CHEMISTRY STUDIES"/> <title>Laborbefund - Chemie</title> <text>narrative text</text> <entry typeCode="DRIV"> </pre>											

```

<templateId root="1.3.6.1.4.1.19376.1.3"/>
<act classCode="ACT" moodCode="EVN"> ... </act>
</entry>
</section>

```

Item	DT	Card	Conf	Description	Label
h17:section					IHE PalM TF3 Rev.8, 6.3.3.1
└ h17:templateId	II	1 ... 1	M		IHE PalM TF3 Rev.8, 6.3.3.1
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.3.3	
└ h17:templateId	II	1 ... 1	M		IHE PalM TF3 Rev.8, 6.3.3.1
└ @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.3.3.2.1	
└ h17:id	II	0 ... 1		An ID for this section MAY be filled for traceability.	IHE PalM TF3 Rev.8, 6.3.3.1






└ @root	uid	1 ... 1	R	MUST contain the OID of the system that issued the ID. OIDs of code systems, which are published in the public OID registry for the Swiss health care system (oid.refdata.ch) are REQUIRED. Others are NOT ALLOWED.	
└ @extension	st	0 ... 1		Contains the ID itself. The ID MUST be unique within the system that issued the ID.	
└ h17:code	CE	1 ... 1	M	This declares the laboratory discipline of the section.	IHE PaIM TF3 Rev.8, 6.3.3.1
└ @code	st	1 ... 1	R		
└ @codeSystem	oid	1 ... 1	F	2.16.840.1.113883.6.1	
└ @codeSystemName	st	1 ... 1	F	LOINC	
└ @displayName	st	1 ... 1	R	The displayName of the code MUST be specified for tracking purposes. However, processing is NOT ALLOWED. Instead, a processing system is to display a user readable language translation of the code from the value set.	
	CONF			The value of @code shall be drawn from value set 1.3.6.1.4.1.19376.1.3.11.1 <i>Laboratory Specialties</i> (DYNAMIC)	
└ h17:title	ST	1 ... 1	R	The title of the chapter MUST be specified and correspond to the following text format, where <human readable code> contains the corresponding translation of the document LOINC code: <ul style="list-style-type: none"> ▪ [ge]: 'Laborbefund - <human readable code>' ▪ [fr]: 'Rapport de laboratoire - <human readable code>' ▪ [it]: 'Referto di laboratorio - <human readable code>' 	IHE PaIM TF3 Rev.8, 6.3.3.1

- [en]: 'Laboratory Specialty - <human readable code>'

The following translations of the LOINC codes given in XD-LAB MUST be used:

LOINC Code	Text
18717-9	[ge]: Immunhämatologie [fr]: Immunohématologie [it]: Immunoematologia
18718-7	[ge]: Molekularbiologie [fr]: Biologie moléculaire [it]: Biologia molecolare
18719-5	[ge]: Chemie [fr]: Chimie [it]: Chimica
18720-3	[ge]: Gerinnung [fr]: Coagulation [it]: Coagulazione
18721-1	[ge]: Medikamente [fr]: Médicaments [it]: Medicamenti
18722-9	[ge]: Fertilität [fr]: Fertilité [it]: Fertilità
18723-7	[ge]: Hämatologie [fr]: Hématologie [it]: Ematologia
18724-5	[ge]: HLA [fr]: HLA [it]: HLA
18725-2	[ge]: Mikrobiologie [fr]: Microbiologie

				18727-8	[it]: Microbiologia [ge]: Serologie [fr]: Sérologie [it]: Sierologia
				18728-6	[ge]: Toxikologie [fr]: Toxicologie [it]: Tossicologia
				18729-4	[ge]: Urin Untersuchungen [fr]: Analyses dans l'urine [it]: Analisi nelle urine
				18767-4	[ge]: Blutgase [fr]: Gazométrie [it]: Gasometria
				18768-2	[ge]: Differenzialblutbild [fr]: Répartition leucocytaire [it]: Differenziazione leucocitaria
				18769-0	[ge]: Antibiotogramm [fr]: Antibiotogramme [it]: Antibiotogramma
				26435-8	[ge]: Molekulare Pathologie [fr]: Pathologie moléculaire [it]: Patologia molecolare
				26436-6	[ge]: Laboruntersuchungen [fr]: Études de laboratoire [it]: Esami di laboratorio
				26437-4	[ge]: Stimulationen [fr]: Stimulation [it]: Stimolazione
				26438-2	[ge]: Zytologie [fr]: Cytologie [it]: Citologia
	Example	Deutsch	<title>Laborbefund - Immunhämatologie</title>		

Example	Englisch <title>Laboratory Specialty - Blood Bank Studies</title>					
Variable let	Name languageCode Value substring(/hl7:ClinicalDocument/hl7:languageCode/@code,1,2)					
Schematron assert	role  error test not(\$languageCode='en') or starts-with(text(),'Laboratory report') Message The English title must start with 'Laboratory report'					
Schematron assert	role  error test not(\$languageCode='de') or starts-with(text(),'Laborbefund') Message The German title must start with 'Laborbefund'					
Schematron assert	role  error test not(\$languageCode='fr') or starts-with(text(),'Rapport de laboratoire') Message The French title must start with 'Rapport de laboratoire'					
Schematron assert	role  error test not(\$languageCode='it') or starts-with(text(),'Rapporto di laboratorio') Message The Italian title must start with 'Rapporto di laboratorio'					
 h17:text	<table border="1"> <tr> <td>SD.TEXT</td> <td>0 ... 1</td> <td>R</td> <td>The narrative text for this section.</td> <td>IHE PaIM TF3 Rev.8, 6.3.3.1</td> </tr> </table>	SD.TEXT	0 ... 1	R	The narrative text for this section.	IHE PaIM TF3 Rev.8, 6.3.3.1
SD.TEXT	0 ... 1	R	The narrative text for this section.	IHE PaIM TF3 Rev.8, 6.3.3.1		
Choice	Elements to choose from: <table border="1"> <tr> <td>1 ... *</td> <td> <ul style="list-style-type: none"> hl7:component containing template 2.16.756.5.30.1.1.10.3.5 <i>Laboratory Report Item Section - coded</i> (DYNAMIC) hl7:entry containing template 2.16.756.5.30.1.1.10.4.4 <i>Laboratory Report Data Processing Entry</i> (DYNAMIC) </td> </tr> </table>	1 ... *	<ul style="list-style-type: none"> hl7:component containing template 2.16.756.5.30.1.1.10.3.5 <i>Laboratory Report Item Section - coded</i> (DYNAMIC) hl7:entry containing template 2.16.756.5.30.1.1.10.4.4 <i>Laboratory Report Data Processing Entry</i> (DYNAMIC) 			
1 ... *	<ul style="list-style-type: none"> hl7:component containing template 2.16.756.5.30.1.1.10.3.5 <i>Laboratory Report Item Section - coded</i> (DYNAMIC) hl7:entry containing template 2.16.756.5.30.1.1.10.4.4 <i>Laboratory Report Data Processing Entry</i> (DYNAMIC) 					

<p>└ h17:component</p>		0 ... *	C	Contains 2.16.756.5.30.1.1.10.3.5 <i>Laboratory Report Item Section - coded</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.3.1
<p>where [hl7:section [hl7:code [concat(@code, @codeSystem) = doc('include/voc-1.3.6.1.4.1.19376.1.3.11.1-DYNAMIC.xml')/valueSet [1]/conceptList/concept/concat(@code, @codeSystem) or @nullFlavor]]]</p>					
<p>└ h17:entry</p>		0 ... *	C	The narrative text in the text element of the section MUST be generated automatically from the information in this entry. Contains 2.16.756.5.30.1.1.10.4.4 <i>Laboratory Report Data Processing Entry</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.3.1
<p>└ @typeCode</p>	cs	1 ... 1	F	DRIV	
		role	● error		
		test	(hl7:component and not(hl7:text or hl7:entry)) or (not(hl7:component) and hl7:text and hl7:entry)		
		Message	A Laboratory Specialty Section SHALL contain EITHER a list of Laboratory Report Item Section(s) OR a single text and entry element to represent the Report Items.		

1.3.4 Original Representation Section - coded

Id	2.16.756.5.30.1.1.10.3.45
Status	● Under pre-publication review
Name	cdach_section_OriginalRepresentationCoded


Effective Date	2018-04-18 Other versions this id:
Version Label	2017
Display Name	Original Representation Section - coded

Description

This section MAY be used to provide the original representation of the current CDA document as it has been seen by the legal authenticator while signing.

Notes:

- This template doesn't require PDF/A but keep in mind that only PDF/A contains all necessary information that allows to identically display the PDF on different machines.
- To ensure that digital data remains legible in the long term, PDF/A (but not PDF) is mentioned in the allowed list of archival formats for the Swiss Federal Archives.
- The certification requirements according to the Swiss EPR (EPRA) require PDF/A-1 oder PDF/A-2.
- Following the recommendations of CDA-CH V2 (2017), embedding the original representation in PDF/A-1a format is therefore strongly recommended.

Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.3.45			
Label	CDA-CH V2			
Classification	CDA Section Level Template			
Open/Closed	Open (other than defined elements are allowed)			
Uses	Uses 1 template			
	Uses	as	Name	Version
	2.16.756.5.30.1.1.10.4.83	Containment 	Observation Media (2017)	DYNAMIC
Relationship	Specialization: template 2.16.840.1.113883.10.12.201 (2005-09-07)			
Example	Example			

```

<section>
  <templateId root="2.16.756.5.30.1.1.10.3.45"/>
  <code code="55108-5" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Clinical presentation"/>
  <title>Original representation</title>
  <text>

Representation of the original view which has been signed by the legal authenticator:
  <br/>
  <renderMultiMedia referencedObject="pdf1"/>
</text>
<languageCode/>
<entry typeCode="DRIV">
  <!-- template 2.16.756.5.30.1.1.10.4.83 'Observation Media' -->
</entry>
</section>
    
```

Item	DT	Card	Conf	Description	Label
h17:section				Contains the original representation of the current CDA document as it has been seen by the legal authenticator while signing.	CDA-CH V2
└ h17:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.3.45	

<code>└ h17:id</code>	II	0 ... 1		An ID for this section MAY be filled for traceability.	CDA-CH V2
<code>└ @root</code>	uid	1 ... 1	R	MUST contain the OID of the system that issued the ID. OIDs of code systems, which are published in the public OID registry for the Swiss health care system (oid.refdata.ch) are REQUIRED. Others are NOT ALLOWED.	
<code>└ @extension</code>	st	0 ... 1		Contains the ID itself. The ID MUST be unique within the system that issued the ID.	
<code>└ h17:code</code>	CE	1 ... 1	M		CDA-CH V2
<code>└ @code</code>	CONF	1 ... 1	F	55108-5	
<code>└ @codeSystem</code>		1 ... 1	F	2.16.840.1.113883.6.1 (Logical Observation Identifier Names and Codes)	
<code>└ @codeSystemName</code>		1 ... 1	F	LOINC	
<code>└ @displayName</code>		1 ... 1	F	Clinical presentation	
<code>└ h17:title</code>	ST	1 ... 1	M	Fixed human readable title of this section. <ul style="list-style-type: none"> ▪ [ge]: 'Original Darstellung' ▪ [fr]: 'Représentation originale' ▪ [it]: 'Rappresentazione originale' ▪ [en]: 'Original representation' 	CDA-CH V2
	Variable let	Name	languageCode		
		Value	substring(ancestor::h17:ClinicalDocument/h17:languageCode/@code,1,2)		

	Schematron assert	role	● error		
		test	not(\$languageCode='ge') or (text()='Original Darstellung')		
		Message	The German title must read 'Original Darstellung'		
	Schematron assert	role	● error		
		test	not(\$languageCode='fr') or (text()='Représentation originale')		
		Message	The French title must read 'Représentation originale'		
	Schematron assert	role	● error		
		test	not(\$languageCode='it') or (text()='Rappresentazione originale')		
		Message	The Italian title must read 'Rappresentazione originale'		
	Schematron assert	role	● error		
		test	not(\$languageCode='en') or (text()='Original representation')		
		Message	The English title must read 'Original representation'		
└ h17:text	SD.TEXT	1 ... 1	M	MUST contain the reference (renderMultiMedia/@referencedObject) to the corresponding observationMedia (embedded PDF) that shows the original representation signed by the legal authenticator.	CDA-CH V2
└ h17:renderMultiMedia		1 ... 1	M		CDA-CH V2
└ @referencedObject		1 ... 1	R	The reference to the corresponding observationMedia element.	

└ h17:entry		1 ... 1	M	Contains 2.16.756.5.30.1.1.10.4.83 <i>Observation Media</i> (DYNAMIC)	CDA-CH V2
where [not(@nullFlavor)] [hl7:observationMedia]					
└ @typeCode	st	1 ... 1	F	DRIV	
	Schematron assert	role	● error		
		test		hl7:text/hl7:renderMultiMedia/@referencedObject=hl7:entry/hl7:observationMedia[hl7:templateId/@root='2.16.756.5.30.1.1.10.4.83']/@ID	
		Message		The referenced multimedia object MUST be declared in an entry of the same section.	
	Schematron assert	role	● error		
		test		hl7:entry/hl7:observationMedia[hl7:templateId/@root='2.16.756.5.30.1.1.10.4.83']/hl7:value/@mediaType='application/pdf'	
		Message		The referenced multimedia object MUST have the mime type set tp 'application/pdf'.	

1.3.5 Other Relevant Observations Section - coded

Id	2.16.756.5.30.1.1.10.3.46	Effective Date	2018-04-19 Other versions this id:
Status	● Under pre-publication review	Version Label	2018
Name	cdachvacd_section_OtherRelevantObservationsCoded	Display Name	Other Relevant Observations Section - coded


Description

Chapter (CDA Body Section) containing the coded results according to IHE PCC Technical Framework Revision 11.0 - November 11, 2016.

This section MAY contain relevant coded results of a patient for the given document context. The section MUST contain at least one Problem entry. In case of no relevant results, one of the 'special case' codes MUST be used.

In the context of immunizations, this section may indicate the gestational age of a child if relevant for immunization of the child.

In the context of lab reports, this section may indicate the gestational age of a child if relevant for the observation interpretation.

Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.3.46			
Label	IHE PCC TF2 Rev.11, 6.3.3.5.2			
Classification	CDA Section Level Template			
Open/Closed	Open (other than defined elements are allowed)			
Uses	Uses 1 template			
	Uses	as	Name	Version
	2.16.756.5.30.1.1.10.4.84	Containment	 Gestational Age At Birth (2018)	DYNAMIC
Relationship	Specialization: template 2.16.840.1.113883.10.12.201 (2005-09-07) Adaptation: template 1.3.6.1.4.1.19376.1.5.3.1.3.28 (DYNAMIC)			

Example	<div style="background-color: #ffffcc; padding: 5px; margin-bottom: 5px;">Example</div> <pre> <section> <templateId root="2.16.756.5.30.1.1.10.3.46"/> <templateId root="1.3.6.1.4.1.19376.1.5.3.1.3.27"/> <templateId root="1.3.6.1.4.1.19376.1.5.3.1.3.28"/> <code code="30954-2" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Relevant diagnostic tests/laboratory data"/> <title>Coded Results</title> <text> <!-- Narrative Text --> </text> <entry typeCode="DRIV"> <!-- template 2.16.756.5.30.1.1.10.4.84 'Gestational age' --> </entry> </section> </pre>
---------	---

Item	DT	Card	Conf	Description	Label
h17:section				<p>Chapter (CDA Body Section) containing the coded results according to IHE PCC Technical Framework Revision 11.0 - November 11, 2016.</p> <p>This section MAY contain relevant coded results of a patient for the given document context. The section MUST contain at least one Problem entry. In case of no relevant results, one of the 'special case' codes MUST be used.</p> <p>In the context of immunizations, this section may indicate the gestational age of a child if relevant for immunization of the child.</p>	IHE PCC TF2 Rev.11, 6.3.3.5.2

				In the context of lab reports, this section may indicate the gestational age of a child if relevant for the observation interpretation.	
└ h17:templateId	II	1 ... 1	M		IHE PCC TF2 Rev.11, 6.3.3.5.2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.3.46	
└ h17:templateId	II	1 ... 1	M		IHE PCC TF2 Rev.11, 6.3.3.5.2
└ @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.5.3.1.3.27	
└ h17:templateId	II	1 ... 1	M		IHE PCC TF2 Rev.11, 6.3.3.5.2
└ @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.5.3.1.3.28	
└ h17:id	II	0 ... *	R	An ID for this section MAY be filled for traceability.	IHE PCC TF2 Rev.11, 6.3.3.5.2

└ @root	uid	1 ... 1	R	MUST contain the OID of the system that issued the ID. OIDs of code systems, which are published in the public OID registry for the Swiss health care system (oid.refdata.ch) are REQUIRED. Others are NOT ALLOWED.
└ @extension	st	0 ... 1		Contains the ID itself. The ID MUST be unique within the system that issued the ID.
└ h17:code	CE	1 ... 1	M	IHE PCC TF2 Rev.11, 6.3.3.5.2
└ @code	st	1 ... 1	F	30954-2
└ @codeSystem	oid	1 ... 1	F	2.16.840.1.113883.6.1
└ @codeSystemName	st	1 ... 1	F	LOINC
└ @displayName	st	1 ... 1	F	Relevant diagnostic tests/laboratory data
└ h17:title	ST	1 ... 1	M	IHE PCC TF2 Rev.11, 6.3.3.5.2
	CONF			element content shall be "Other relevant observations" -or- element content shall be "Weitere relevante Beobachtungen" -or- element content shall be "TOTRANSLATE-FR" -or-

				element content shall be "TOTRANSLATE-IT"	
	Variable let	Name	languageCode		
		Value	substring(/hl7:ClinicalDocument/hl7:languageCode/@code,1,2)		
	Schematron assert	role	error		
		test	not(\$languageCode='en') or (text()='Other relevant observations')		
		Message	The English title MUST read 'Other relevant observations'		
	Schematron assert	role	error		
		test	not(\$languageCode='de') or (text()='Weitere relevante Beobachtungen')		
		Message	The German title must MUST read 'Weitere relevante Beobachtungen'		
	Schematron assert	role	error		
		test	not(\$languageCode='fr') or (text()='TOTRANSLATE-FR')		
		Message	The French title MUST read 'TOTRANSLATE-FR'		
	Schematron assert	role	error		
		test	not(\$languageCode='it') or (text()='TOTRANSLATE-IT')		
		Message	The Italian title MUST read 'TOTRANSLATE-IT'		
└ h17:text	SD.TEXT	1 ... 1	M	The narrative text for this section.	IHE PCC TF2 Rev.11, 6.3.3.5.2
└ h17:entry		1 ... 1	R	The narrative text in the text element of the section MUST be generated automatically from the information in this entry. Contains 2.16.756.5.30.1.1.10.4.84 <i>Gestational Age At Birth</i> (DYNAMIC)	IHE PCC TF2 Rev.11, 6.3.3.5.2

where [hl7:observation]				
@typeCode	cs	1 ... 1	F	DRIV

1.3.6 Vital Signs Section - coded

Id	2.16.756.5.30.1.1.10.3.4	Effective Date	2016-11-11 Other versions this id:
Status	● Under pre-publication review	Version Label	2016
Name	chpcc_section_VitalSignsCoded	Display Name	Vital Signs Section - coded
Description	This section contains a list of measured / observed vital signs.		
Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.3.4		
Label	IHE PCC TF2 Rev.11, 6.3.3.4.5		
Classification	CDA Section Level Template		
Open/Closed	Open (other than defined elements are allowed)		
Uses	Uses 1 template		
	Uses	as	Name
	2.16.756.5.30.1.1.10.4.20	Containment ●	Vital Signs Organizer Entry (2016) DYNAMIC
Relationship	Version: template 2.16.756.5.30.1.1.10.3.4 (DYNAMIC) Specialization: template 2.16.840.1.113883.10.12.201 (2005-09-07)		

Example

Example

```
<component>
  <section>
    <templateId root="1.3.6.1.4.1.19376.1.5.3.1.3.25"/>
    <templateId root="1.3.6.1.4.1.19376.1.5.3.1.1.5.3.2"/>
    <id root="2.999" extension="your id"/>
    <code code="8716-3" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="VITAL SIGNS"/>
    <text>
      <content ID="o1"> Vitalzeichen: - Grösse: 178 cm </content>
    </text>
  </section>
  <entry>
    <organizer classCode="CLUSTER" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.1.32"/>
      <templateId root="2.16.840.1.113883.10.20.1.35"/>
      <templateId root="1.3.6.1.4.1.19376.1.5.3.1.4.13.1"/>
      <id root="2.999" extension="your id"/>
      <code code="46680005" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Vital signs"/>
      <statusCode code="completed"/>
      <effectiveTime value="20081118"/>
      <author typeCode="AUT">
        <time value="20081118"/>
        <assignedAuthor>
          <id root="2.51.1.3" extension="7608888888888888"/>
        </assignedAuthor>
      </author>
      <!-- one or more vital signs observations -->
      <component typeCode="COMP">
        <observation classCode="OBS" moodCode="EVN">
          <templateId root="2.16.756.5.30.1.1.1.1.1" extension="CDA-CH.Body.VitalSignL3"/>
          <templateId root="1.3.6.1.4.1.19376.1.5.3.1.4.13"/>
          <templateId root="2.16.840.1.113883.10.20.1.31"/>
          <templateId root="1.3.6.1.4.1.19376.1.5.3.1.4.13.2"/>
          <id root="2.999" extension="your id"/>
          <code code="3137-7" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"/>
          <text>
            <reference value="#o1"/>
          </text>
          <statusCode code="completed"/>
          <effectiveTime value="20081118"/>
          <value xsi:type="PQ" value="178" unit="cm"/>
          <interpretationCode code="N" codeSystem="2.16.840.1.113883.5.83"/>
          <methodCode nullFlavor="NA"/>
          <targetSiteCode nullFlavor="NA"/>
        </observation>
      </component>
    </organizer>
  </entry>
</component>
```

```



        </component>
      </organizer>
    </entry>
  </section>
</component>

```

Item	DT	Card	Conf	Description	Label
h17:section				This section contains a list of measured / observed vital signs.	IHE PCC TF2 Rev.11, 6.3.3.4.5
└ h17:templateId	II	1 ... 1	M		IHE PCC TF2 Rev.11, 6.3.3.4.5
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.3.4	
└ h17:templateId	II	1 ... 1	R		IHE PCC TF2 Rev.11, 6.3.3.4.5
└ @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.5.3.1.1.5.3.2	


└ h17:templateId	II	1 ... 1	R		IHE PCC TF2 Rev.11, 6.3.3.4.5
└ @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.5.3.1.3.25	
└ h17:templateId	II	1 ... 1	M		IHE PCC TF2 Rev.11, 6.3.3.4.5
└ @root	uid	1 ... 1	F	2.16.840.1.113883.10.20.1.16	
└ h17:id	II	0 ... 1		An ID for this section MAY be filled for traceability.	IHE PCC TF2 Rev.11, 6.3.3.4.5
└ @root	uid	1 ... 1	R	MUST contain the OID of the system that issued the ID. OIDs of code systems, which are published in the public OID registry for the Swiss health care system (oid.refdata.ch) are REQUIRED. Others are NOT ALLOWED.	
└ @extension	st	0 ... 1		Contains the ID itself. The ID MUST be unique within the system that issued the ID.	
└ h17:code	CE	1 ... 1	R		IHE PCC TF2 Rev.11, 6.3.3.4.5
└ @code	CONF	0 ... 1	F	8716-3	

└ @codeSystem		0 ... 1	F	2.16.840.1.113883.6.1 (Logical Observation Identifier Names and Codes)	
└ @codeSystemName		0 ... 1	F	LOINC	
└ @displayName		0 ... 1	F	Vital signs	
└ h17:title	ST	1 ... 1	M	Fixed human readable title of this section. <ul style="list-style-type: none"> ▪ [ge]: 'Vitalzeichen' ▪ [fr]: 'Signes vitaux' ▪ [it]: 'Segni vitali' ▪ [en]: 'Vital Signs' 	IHE PCC TF2 Rev.11, 6.3.3.4.5
	Variable let	Name	languageCode		
		Value	substring(ancestor::h17:ClinicalDocument/h17:languageCode/@code,1,2)		
	Schematron assert	role	error		
		test	not(\$languageCode='ge') or (text()='Vitalzeichen')		
		Message	The German title must read 'Vitalzeichen'		
	Schematron assert	role	error		
		test	not(\$languageCode='fr') or (text()='Signes vitaux')		
		Message	The French title must read 'Signes vitaux'		
	Schematron assert	role	error		
		test	not(\$languageCode='it') or (text()='Segni vitali')		
		Message	The Italian title must read 'Segni vitali'		
	Schematron assert	role	error		
		test	not(\$languageCode='en') or (text()='Vital Signs')		
		Message	The English title must read 'Vital Signs'		

 <code>h17:text</code>	SD.TEXT	1 ... 1	M	Human readable text of this section.	IHE PCC TF2 Rev.11, 6.3.3.4.5
 <code>h17:entry</code>		0 ... *		Contains 2.16.756.5.30.1.1.10.4.20 <i>Vital Signs Organizer Entry</i> (DYNAMIC)	IHE PCC TF2 Rev.11, 6.3.3.4.5
where [<i>h17:organizer</i>]					

1.4 CDA Entry Level Templates

1.4.1 Annotation Comments





Id	2.16.756.5.30.1.1.10.4.2	Effective Date	2016-11-11 Other versions this id:
Status	 Under pre-publication review	Version Label	2016
Name	chpcc_entry_AnnotationComments	Display Name	Annotation Comments
Description	This entry allows for a comment to be supplied with each entry.		
Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.4.2		
Label	IHE PCC TF2 Rev.11, 6.3.4.6		
Classification	CDA Entry Level Template		

Open/Closed	Open (other than defined elements are allowed)											
Uses	Uses 2 templates											
	<table border="1"> <thead> <tr> <th>Uses</th> <th>as</th> <th>Name</th> <th>Version</th> </tr> </thead> <tbody> <tr> <td>2.16.756.5.30.1.1.10.9.14</td> <td>Include</td> <td> Narrative Text Reference (2017)</td> <td>DYNAMIC</td> </tr> <tr> <td>2.16.756.5.30.1.1.10.9.16</td> <td>Containment</td> <td> Author Compilation with name, addr and telecom (2017)</td> <td>DYNAMIC</td> </tr> </tbody> </table>	Uses	as	Name	Version	2.16.756.5.30.1.1.10.9.14	Include	Narrative Text Reference (2017)	DYNAMIC	2.16.756.5.30.1.1.10.9.16	Containment	Author Compilation with name, addr and telecom (2017)
Uses	as	Name	Version									
2.16.756.5.30.1.1.10.9.14	Include	Narrative Text Reference (2017)	DYNAMIC									
2.16.756.5.30.1.1.10.9.16	Containment	Author Compilation with name, addr and telecom (2017)	DYNAMIC									
Relationship	Specialization: template 1.3.6.1.4.1.19376.1.5.3.1.4.2 (2013-12-20) Specialization: template 2.16.840.1.113883.10.20.1.40 (DYNAMIC)											
Example	<p>Example</p> <pre> <act classCode="ACT" moodCode="EVN"> <templateId root="2.16.756.5.30.1.1.10.4.2"/> <templateId root="2.16.840.1.113883.10.20.1.40"/> <templateId root="1.3.6.1.4.1.19376.1.5.3.1.4.2"/> <code code="48767-8" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Annotation comment"/> <text> <reference value="#narrtextref"/> </text> <statusCode code="completed"/> </act> </pre>											

Item	DT	Card	Conf	Description	Label
h17:act			R	A comment to the parent entry.	IHE PCC TF2 Rev.11, 6.3.4.6

└ @classCode	CS	1 ... 1	F	ACT	
└ @moodCode	CS	1 ... 1	F	EVN	
└ h17:templateId	II	1 ... 1	M		IHE PCC TF2 Rev.11, 6.3.4.6
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.4.2	
└ h17:templateId	II	1 ... 1	M		IHE PCC TF2 Rev.11, 6.3.4.6
└ @root	uid	1 ... 1	F	2.16.840.1.113883.10.20.1.40	
└ h17:templateId	II	1 ... 1	M		IHE PCC TF2 Rev.11, 6.3.4.6
└ @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.5.3.1.4.2	
└ h17:id	II	0 ... 1		An ID for this item MAY be filled for traceability.	IHE PCC TF2 Rev.11, 6.3.4.6
└ @root	uid	1 ... 1	R	MUST contain the OID of the system that issued the ID. OIDs of code systems, which are published in the public OID registry for the Swiss health care system (oid.refda-	

					ta.ch) are REQUIRED. Others are NOT ALLOWED.	
L @extension	st	0 ... 1			Contains the ID itself. The ID MUST be unique within the system that issued the ID.	
L h17:code	CD	1 ... 1	M			IHE PCC TF2 Rev.11, 6.3.4.6
L @code	cs	1 ... 1	F	48767-8		
L @codeSystem	oid	1 ... 1	F	2.16.840.1.113883.6.1		
L @codeSystemName	st	1 ... 1	F	LOINC		
L @displayName	st	1 ... 1	F	Annotation comment		
<i>Included</i>		1 ... 1	R		from 2.16.756.5.30.1.1.10.9.14 <i>Narrative Text Reference</i> (DYNAMIC) The reference to the text in the narrative section of the section MUST be specified.	
L h17:text	ED	1 ... 1	M			CDA-CH V2
L h17:reference	TEL	1 ... 1	M		The reference to the corresponding text in the human readable part must be specified by reference to content[@ID]: reference[@value='#xxx']	CDA-CH V2
L @value		1 ... 1	R		Reference to the narrative part of the section in the format '#xxx', where xxx is the ID of the corresponding <content></content> element.	
	Schematron assert	role		error		

				test	starts-with(@value,'#')			
				Message	The @value attribute content MUST conform to the format '#xxx', where xxx is the ID of the corresponding <content/> element.			
		Variable let		Name	idvalue			
				Value	substring-after(@value,'#')			
		Schematron assert		role	 error			
				test	ancestor::h17:structuredBody//*[@ID=\$idvalue]			
				Message	No narrative text found for this reference (no content element within this document has an ID that corresponds to '<value-of select="\$idvalue"/>').			
 h17:statusCode	CS		1 ... 1	M	The status 'completed' indicates that the comment is final.			IHE PCC TF2 Rev.11, 6.3.4.6
 @code	cs		1 ... 1	F	completed			
		CONF			The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.20025 <i>ActStatusCompleted</i> (DYNAMIC)			
 h17:author			0 ... *		The author of the comment MAY be specified. Contains 2.16.756.5.30.1.1.10.9.16 <i>Author Compilation with name, addr and telecom</i> (DYNAMIC)			IHE PCC TF2 Rev.11, 6.3.4.6
<p>where [h17:functionCode [concat(@code, @codeSystem) = doc('include/voc-2.16.756.5.30.1.127.3.10.1.1.3-DYNAMIC.xml')/valueSet [1]/conceptList/concept/concat(@code, @codeSystem) or @nullFlavor]]</p>								

1.4.2 Case Identification





Id	2.16.756.5.30.1.1.10.4.15	Effective Date	2017-06-21 Other versions this id:
Status	● Under pre-publication review	Version Label	2017
Name	chpalm_entry_Caseldentification	Display Name	Case Identification
Description	If an examination belongs to a specific case, this CAN be documented with this element (in the Notification Organizer).		
Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.4.15		
Label	IHE PaIM TF3 Rev.8, 6.3.4.9		
Classification	CDA Entry Level Template		
Open/Closed	Open (other than defined elements are allowed)		
Relationship	Specialization: template 2.16.840.1.113883.10.12.303 (2005-09-07) Specialization: template 1.3.6.1.4.1.19376.1.3.1.1.2 (2008-08-08)		

Example	XD-LAB Example
	<pre> <observation classCode="CASE" moodCode="EVN"> <templateId root="1.3.6.1.4.1.19376.1.3.1.1.2"/> <templateId root="2.16.756.5.30.1.1.10.4.15"/> <id root="1.3.6.1.4.1.19376.1.3.4" extension="SALM_83747"/> <code code="416341003" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Case Started"/> <statusCode code="completed"/> <effectiveTime value="20080408000000.0000-0400"/> <value xsi:type="CE" code="27268008" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Salmonella"/> </observation> </pre>


Item	DT	Card	Conf	Description	Label
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h17:observation					IHE PaM TF3 Rev.8, 6.3.4.9
└ @classCode	CS	1 ... 1	F	CASE	
└ @moodCode	CS	1 ... 1	F	EVN	
└ h17:templateId					IHE PaM TF3 Rev.8, 6.3.4.9
└ @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.3.1.1.2	
└ h17:templateId					IHE PaM TF3 Rev.8, 6.3.4.9
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.4.15	
└ h17:id					IHE PaM TF3 Rev.8, 6.3.4.9
└ @root	uid	1 ... *	R	The number of the case to which the examinations belong in this section MUST be declared. Multiple case numbers CAN be specified.	
└ @root	uid	1 ... 1	R	MUST contain the OID of the system that issued the ID. OIDs of code systems, which are published in the public OID registry for the Swiss health care system (oid.refdata.ch) are REQUIRED. Others are NOT ALLOWED.	

<code>└ @extension</code>	st	0 ... 1		Contains the case identification itself. The case identification MUST be unique within the system that issued the ID.	
<code>└ h17:code</code>	CE	1 ... 1	R	The type of the case MUST be declared with a code. LOINC (2.16.840.1.113883.6.1) or SNOMED CT (2.16.840.1.113883.6.96) codes or values from the HL7 vocabulary ObservationType (2.16.840.1.113883.1.11.16226) SHOULD be used.	IHE PaIM TF3 Rev.8, 6.3.4.9
<code>└ @code</code>	cs	1 ... 1	R	The code MUST be specified.	
<code>└ @codeSystem</code>	oid	1 ... 1	R	The OID of the code system MUST be specified.	
<code>└ @codeSystemName</code>	st	1 ... 1	R	The name of the code system MUST be specified for tracking purposes. However, processing is NOT ALLOWED.	
<code>└ @displayName</code>	st	1 ... 1	R	The displayName of the code MUST be specified for tracking purposes. However, processing is NOT ALLOWED. Instead, a processing system is to display a user readable language translation of the code from the value set.	
<code>└ h17:statusCode</code>	CS	1 ... 1	M	The status 'completed' means the patient has been associated with the given case number. The status 'aborted' means the patient was associated with the case number in error.	IHE PaIM TF3 Rev.8, 6.3.4.9
	CONF			The value of <code>@code</code> shall be drawn from value set 1.3.6.1.4.1.19376.1.3.11.2 <i>ActStatusAbortedCompleted</i> (DYNAMIC)	
<code>└ h17:effectiveTime</code>	IVL_TS.CH.TZ	0 ... 1		MAY contain the period of validity of the case.	IHE PaIM TF3 Rev.8, 6.3.4.9

 <code>h17:low</code>	TS.CH.TZ	1 ... 1	R	Start of the period. If it is not known, nullFavor='UNK' MUST be used.	IHE PaIM TF3 Rev.8, 6.3.4.9
 <code>h17:high</code>	TS.CH.TZ	1 ... 1	R	End of the period. If it is not known, nullFavor='UNK' MUST be used.	IHE PaIM TF3 Rev.8, 6.3.4.9
 <code>h17:value</code>	CE	1 ... 1	R	A not further specified precision of the case MUST be declared according to XD-LAB with data type 'CE'. If no further precision is known, nullFavor='UNK' MUST be used.	IHE PaIM TF3 Rev.8, 6.3.4.9
	Schematron assert	role	 error		
		test		(@xsi:type='CE' and @code and @codeSystem) or (@nullFavor='UNK')	
		Message		Either a code with its code system or nullFavor='UNK' is required.	


1.4.3 Device - participant Containment

Id	2.16.756.5.30.1.1.10.4.10	Effective Date	2017-06-21 Other versions this id:
Status	 Under pre-publication review	Version Label	2017
Name	chpalm_entry_ParticipantBodyDevice	Display Name	Device - participant Containment
Description	Declaration of analyzer, test kit and manufacturer used to determine the result. All participating elements (including devices), MUST according to XD-LAB contain name, addr and telecom.		

Context	Pathname				
Label	CH-PALM				
Classification	CDA Entry Level Template				
Open/Closed	Open (other than defined elements are allowed)				
Uses	Uses 2 templates				
	Uses	as	Name	Version	
	2.16.756.5.30.1.1.10.9.21	Containment	● Device Compilation with name (2017)	DYNAMIC	
2.16.756.5.30.1.1.10.9.49	Include	● Original Text Reference (2017)	DYNAMIC		
Relationship	Specialization: template 2.16.840.1.113883.10.12.321 (2005-09-07)				
Example	Example				
	<pre> <participant typeCode="DEV"> <participantRole> <playingDevice> <manufacturerModelName>w872</manufacturerModelName> <softwareName>Pipette laboratory analyzer</softwareName> </playingDevice> <scopingEntity> <id root="2.999" extension="your id"/> <code nullFlavor="ASKU"/> <desc/> </scopingEntity> </participantRole> </participant> </pre>				
Item	DT	Card	Conf	Description	Label

@typeCode	CS	1 ... 1	F	DEV	
h17:participantRole		1 ... 1	R		CH-PALM
└ h17:playingDevice		1 ... 1	R	Analyzer used to determine the result. Contains 2.16.756.5.30.1.1.10.9.21 <i>Device Compilation with name</i> (DYNA-MIC)	CH-PALM
└ h17:scopingEntity		0 ... 1		The test kit and its manufacturer CAN be specified.	CH-PALM
└ h17:id	II	0 ... *		The number of the test kit with which the result was determined CAN be specified. Multiple numbers are PERMITTED.	CH-PALM
└ @root	uid	1 ... 1	R	MUST contain the OID of the system that issued the ID. OIDs of code systems, which are published in the public OID registry for the Swiss health care system (oid.refdata.ch) are REQUIRED. Others are NOT ALLOWED.	
└ @extension	st	0 ... 1		Contains the number itself. The number MUST be unique within the system that issued the number.	
└ h17:code	CE	0 ... 1		A code that identifies the test kit CAN be specified. If no vocabulary is available, nullFlavor='OTH' including an originalText element MUST be used. In this case, the attributes @code, @codeSystem and @codeSystemName are NOT ALLOWED.	CH-PALM

<code>L @nullFlavor</code>	CS	0 ... 1	F	ASKU	
					If no vocabulary is available, nullFlavor='ASKU' including a displayName MUST be used.
<code>L @code</code>	CS	0 ... 1			The code MUST be specified.
<code>L @codeSystem</code>	oid	0 ... 1			The OID of the code system MUST be specified.
<code>L @codeSystemName</code>	st	0 ... 1			The name of the code system MUST be specified for tracking purposes. However, processing is NOT ALLOWED.
<code>L @displayName</code>	st	0 ... 1			The displayName of the code MUST be specified for tracking purposes. However, processing is NOT ALLOWED. Instead, a processing system is to display a user readable language translation of the code from the value set.
<i>Included</i>		0 ... 1	C		from 2.16.756.5.30.1.1.10.9.49 <i>Original Text Reference</i> (DYNAMIC) The human-readable text MUST be generated automatically from the structured information of this element. The text element MUST contain the reference to the corresponding text in the human readable part, ONLY.
<code>L h17:originalText</code>	ED	0 ... 1	C		CDA-CH V2
<code>L h17:reference</code>	TEL	1 ... 1	M		The reference to the corresponding text in the human readable part must be specified by reference to content[@ID]: reference[@value='#xxx'] CDA-CH V2
<code>L @value</code>		1 ... 1	R		Reference to the narrative part of the section in the format '#xxx', where xxx is the ID of the corresponding <content></content> element.


Schematron assert role  error

			test	starts-with(@value,'#')		
			Message	The @value attribute content MUST conform to the format '#xxx', where xxx is the ID of the corresponding <content/> element.		
	Variable let		Name	idvalue		
			Value	substring-after(@value,'#')		
	Schematron assert		role	error		
			test	ancestor::hl7:structuredBody//*[@ID=\$idvalue]		
			Message	No narrative text found for this reference (no content element within this document has an ID that corresponds to '<value-of select="\$idvalue"/>').		
	Schematron assert		role	error		
			test	parent::*[text()=ancestor::hl7:structuredBody//*[@ID=\$idvalue]/text()]		
			Message	The originalText content MUST be identical to the narrative text for this reference.		
	Schematron assert		role	error		
			test	(@code and @codeSystem) or (@nullFlavor='OTH' and hl7:originalText)		
			Message	Either a code with its code system or nullFlavor='OTH' with an originalText element is required.		
└─ hl7:desc	ED	0 ... 1		The manufacturer (name) of the test kit and any further information MAY be declared.		CH-PALM

1.4.4 External document

Id 2.16.756.5.30.1.1.10.4.29

Effective Date 2018-04-18

			Other versions this id:
Status	 Under pre-publication review	Version Label	2017
Name	cdach_entry_ExternalDocument	Display Name	External document

Description


External documents can be included in a CDA document, either by means of references or by means of XML embedding. This template defines a reference to an external document, only. Embedded documents can be created with the template Observation Media (or derived templates).

Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.4.29
Label	CDA-CH V2
Classification	CDA Entry Level Template
Open/Closed	Open (other than defined elements are allowed)
Relationship	Specialization: template 2.16.840.1.113883.10.12.328 (2005-09-07) Adaptation: template 2.16.840.1.113883.10.20.1.36 (DYNAMIC)


Example	Example
	<pre> <externalDocument classCode="DOC" moodCode="EVN"> <templateId root="2.16.756.5.30.1.1.10.4.29"/> <id root="2.999" extension="your id"/> <text> <reference value="http://foo.bar"/> </text> </externalDocument> </pre>



Item	DT	Card	Conf	Description	Label
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<code>h17:externalDocument</code>				Reference to an external document.	CDA-CH V2
<code>└ @classCode</code>	CS	1 ... 1	F	DOC	
<code>└ @moodCode</code>	CS	1 ... 1	F	EVN	
<code>└ h17:templateId</code>	II	1 ... 1			CDA-CH V2
<code>└ @root</code>	uid	1 ... 1	F	2.16.756.5.30.1.1.10.4.29	
<code>└ h17:id</code>	II	1 ... *	M	MUST contain the id of the external document.	CDA-CH V2
<code>└ @root</code>	uid	1 ... 1	R	MUST contain the OID of the system that issued the ID. OIDs of code systems, which are published in the public OID registry for the Swiss health care system (oid.refdata.ch) are REQUIRED. Others are NOT ALLOWED.	
<code>└ @extension</code>	st	0 ... 1		Contains the ID itself. The ID MUST be unique within the system that issued the ID.	
<code>└ h17:code</code>			NP		CDA-CH V2

<code>h17:text</code>	ED	0 ... 1		The external document MUST be declared as a link. The link MUST be declared as an URL, which points to the referenced document. The same link MUST be used in the human readable part (narrative text) using the <linkHTML> element.	CDA-CH V2
<code>h17:reference</code>					CDA-CH V2
		role	 error		
		test	not(@value) or @value=ancestor::h17:section/h17:text/h17:linkHtml/@href		
		Message		The URL of a referenced document MAY be present, and SHALL be represented in Observation / reference / ExternalDocument / text / reference. A <linkHTML> element containing the same URL SHOULD be present in the associated CDA Narrative Block.	

1.4.5 Gestational Age At Birth

Id	2.16.756.5.30.1.1.10.4.84	Effective Date	2018-04-19 Other versions this id:
Status	 Under pre-publication review	Version Label	2018
Name	cdachvacc_entry_GestationalAgeAtBirth	Display Name	Gestational Age At Birth
Description	The coded gestational age in days of gestation at birth of a patient. This item is intended to be applied for the child but not for the mother.		
Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.4.84		

Label	CH-PCC				
Classification	CDA Entry Level Template				
Open/Closed	Open (other than defined elements are allowed)				
Uses	Uses 2 templates				
	Uses	as	Name	Version	
	2.16.756.5.30.1.1.10.9.14	Include	 Narrative Text Reference (2017)	DYNAMIC	
2.16.756.5.30.1.1.10.9.48	Containment	 Author Compilation with name (2017)	DYNAMIC		
Relationship	Specialization: template 1.3.6.1.4.1.19376.1.5.3.1.4.13 (2016-09-26 08:43:40) Specialization: template 2.16.840.1.113883.10.12.303 (2005-09-07)				
Example	Example				
	<pre> <templateId root="2.16.756.5.30.1.1.10.4.84"/> <templateId root="1.3.6.1.4.1.19376.1.5.3.1.4.13"/> <id root="2.999" extension="extension"/> <code code="49052-4" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Gestational age in days"/> <text> <reference value="#cr-1"/> </text> <statusCode code="completed"/> <effectiveTime value="20180414175201+02:00"/> <value xsi:type="PQ" value="273" unit="d"/> </pre>				
Item	DT	Card	Conf	Description	Label

<code>h17:observation</code>				The coded gestational age in days of gestation at birth of a patient. This item is intended to be applied for the child but not for the mother.	CH-PCC
<code>└ @classCode</code>	CS	1 ... 1	F	OBS	
<code>└ @moodCode</code>	CS	1 ... 1	F	EVN	
<code>└ h17:templateId</code>	II	1 ... 1	M		CH-PCC
<code>└ @root</code>	uid	1 ... 1	F	2.16.756.5.30.1.1.10.4.84	
<code>└ h17:templateId</code>	II	1 ... 1	M		CH-PCC
<code>└ @root</code>	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.5.3.1.4.13	
<code>└ h17:id</code>	II	1 ... 1	M	Each observation SHALL have an identifier.	CH-PCC
<code>└ @root</code>	uid	1 ... 1	R	MUST contain the OID of the system that issued the ID. OIDs of code systems, which are published in the public OID registry for the Swiss health care system (oid.refdata.ch) are REQUIRED. Others are NOT ALLOWED.	

<code>└ @extension</code>	st	0 ... 1		Contains the ID itself. The ID MUST be unique within the system that issued the ID.	
<code>└ h17:code</code>	CD	1 ... 1	M		CH-PCC
<code>└ @code</code>	cs	1 ... 1	F	49052-4	
<code>└ @codeSystem</code>	oid	1 ... 1	F	2.16.840.1.113883.6.1	
<code>└ @codeSystemName</code>	st	1 ... 1	F	LOINC	
<code>└ @displayName</code>	st	1 ... 1	F	Gestational age in days	
<i>Included</i>		1 ... 1		from 2.16.756.5.30.1.1.10.9.14 <i>Narrative Text Reference</i> (DYNAMIC) The human-readable text MUST be generated automatically from the structured information of this element. The text element MUST contain the reference to the corresponding text in the human readable part, ONLY.	
<code>└ h17:text</code>	ED	1 ... 1	M		CDA-CH V2
<code>└ h17:reference</code>	TEL	1 ... 1	M	The reference to the corresponding text in the human readable part must be specified by reference to content[@ID]: reference[@value='#xxx']	CDA-CH V2
<code>└ @value</code>		1 ... 1	R	Reference to the narrative part of the section in the format '#xxx', where xxx is the ID of the corresponding <content></content> element.	

	Schematron assert	role	error		
	Schematron assert	test	starts-with(@value,'#')		
	Schematron assert	Message	The @value attribute content MUST conform to the format '#xxx', where xxx is the ID of the corresponding <content/> element.		
	Variable let	Name	idvalue		
	Variable let	Value	substring-after(@value,'#')		
	Schematron assert	role	error		
	Schematron assert	test	ancestor::h17:structuredBody//*[ID=\$idvalue]		
	Schematron assert	Message	No narrative text found for this reference (no content element within this document has an ID that corresponds to '<value-of select="\$idvalue"/>').		
└ h17:statusCode	CS	1 ... 1	M	The statusCode SHALL be set to 'completed' for all observations.	CH-PCC
	CONF	The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.20025 ActStatusCompleted (DYNAMIC)			
└ h17:effectiveTime	TS.CH.TZ	1 ... 1	R	Date or timestamp of the finding (physiologically relevant time of this observation).	CH-PCC
└ h17:value	PQ	1 ... 1	R	The gestational age, recorded in days. Therefore weeks have to be converted to days and back to weeks by the applications. Examples:	CH-PCC

				<ul style="list-style-type: none"> Application --> CDA: 37th week and 4th day = 37 * 7 + 4 days = 263 days CDA --> application: 178 d = 25 weeks and 3 days 	
	hl7:author	0 ... *		This MAY be used to indicate who has documented the observation. This information supersedes any information recorded at higher level. Contains 2.16.756.5.30.1.1.10.9.48 <i>Author Compilation with name</i> (DYNAMIC)	CH-PCC
<p>where [hl7:functionCode [concat(@code, @codeSystem) = doc('include/voc-2.16.756.5.30.1.127.3.10.1.1.3-DYNAMIC.xml')/valueSet [1]/conceptList/concept/concat(@code, @codeSystem) or @nullFlavor]]</p>					

1.4.6 Human Patient with Non-Human Subject - subject Containment

Id	2.16.756.5.30.1.1.10.4.6	Effective Date	2017-06-21 Other versions this id:
Status	 Under pre-publication review	Version Label	2017
Name	chpalm_entry_HumanPatientWithNonHumanSubject	Display Name	Human Patient with Non-Human Subject - subject Containment

Description

If, in a part of the document, certain laboratory observations for a human patient base on a sample of a non-human material (e.g., food eaten by the patient or an animal that has bitten the patient), it MUST be declared using this element in the CDA body. Other parts of the document may contain laboratory observations that base on other samples (including samples taken from the patient). In addition, the IHE template 1.3.6.1.4.1.19376.1.3.3.1.3 - Human Patient with Non-Human Subject (recordTarget) MUST be used in the

CDA header.

Context	Pathname		
Label	IHE PaIM TF3 Rev.8, 6.3.4.4		
Classification	CDA Entry Level Template		
Open/Closed	Open (other than defined elements are allowed)		
Uses	Uses 1 template		
	Uses	as	Name
	2.16.756.5.30.1.1.10.9.49	Include	Original Text Reference (2017) ●
			DYNAMIC
Relationship	Specialization: template 2.16.840.1.113883.10.12.320 (2005-09-07) Specialization: template 1.3.6.1.4.1.19376.1.3.3.1.3.1 (DYNAMIC)		
Example	XD-LAB example		
	<pre> <subject> <templateId root="1.3.6.1.4.1.19376.1.3.3.1.3.1"/> <relatedSubject> <code code="18998007" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Ferret species"> <qualifier> <name code="105590001" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Substance"/> <value code="39866004" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Animal"/> </qualifier> </code> <addr> <streetAddressLine>304 Portola Road</streetAddressLine> <city>San Jose</city> <state>CA</state> <postalCode>95120</postalCode> </pre>		

	<pre> <country>USA</country> </addr> </relatedSubject> </subject> </pre>
<p>Example</p>	<p style="background-color: #ffffcc; padding: 5px;">Cheese eaten by the patient</p> <pre> <subject> <templateId root="1.3.6.1.4.1.19376.1.3.3.1.3.1"/> <relatedSubject> <code code="102264005" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Cheese"> <qualifier> <name code="105590001" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Substance"/> <value code="226760005" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Dairy foods"/> </qualifier> </code> <addr> <streetAddressLine>Tante Emma Laden</streetAddressLine> <streetAddressLine>Einkaufstrasse 99</streetAddressLine> <postalCode>999</postalCode> <city>Musterhausen</city> </addr> </relatedSubject> </subject> </pre>

Item	DT	Card	Conf	Description	Label
h17:templateId	II	1 ... 1	M		IHE PaIM TF3 Rev.8, 6.3.4.4

└ @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.3.3.1.3.1	
h17:relatedSubject		1 ... 1	R		IHE PalM TF3 Rev.8, 6.3.4.4
└ h17:code	CE	1 ... 1	R	The type of the non-human subject (animal species, food, material from nature, etc.) MUST be declared using a Code. LOINC (2.16.840.1.113883.6.1) or SNOMED CT (2.16.840.1.113883.6.96) codes or values from the HL7 Vocabulary ObservationType (2.16.840.1.113883.1.11.16226) SHOULD be used. If no vocabulary is available, nullFlavor='OTH' including an original-Text element MUST be used. In this case, the attributes @code, @code-System and @codeSystemName are NOT ALLOWED.	IHE PalM TF3 Rev.8, 6.3.4.4
└ @nullFlavor	cs	0 ... 1	F	OTH If no vocabulary is available, nullFlavor='ASKU' including a displayName MUST be used.	
└ @code	cs	0 ... 1		The code MUST be specified.	
└ @codeSystem	oid	0 ... 1		The OID of the code system MUST be specified.	
└ @codeSystemName	st	0 ... 1		The name of the code system MUST be specified for tracking purposes. However, processing is NOT ALLOWED.	
└ @displayName	st	0 ... 1		The displayName of the code MUST be specified for tracking purposes. However, processing is NOT ALLOWED. Instead, a processing system is to display a user readable language translation of the code from the value set.	
Included		0 ... 1	C	from 2.16.756.5.30.1.1.10.9.49 <i>Original Text Reference</i> (DYNAMIC) The human-readable text MUST be generated automatically from the structured information of this element. The text element MUST contain the reference to the corresponding text in the human readable part, ONLY.	

└ h17:originalText	ED	0 ... 1	C		CDA-CH V2
└ h17:reference	TEL	1 ... 1	M	The reference to the corresponding text in the human readable part must be specified by reference to content[@ID]: reference[@value='#xxx']	CDA-CH V2

└ @value 1 ... 1 R Reference to the narrative part of the section in the format '#xxx', where xxx is the ID of the corresponding <content></content> element.

Schematron assert	role	error
	test	starts-with(@value,'#')
	Message	The @value attribute content MUST conform to the format '#xxx', where xxx is the ID of the corresponding <content/> element.
Variable let	Name	idvalue
	Value	substring-after(@value,'#')
Schematron assert	role	error
	test	ancestor::h17:structuredBody//*[@ID=\$idvalue]
	Message	No narrative text found for this reference (no content element within this document has an ID that corresponds to '<value-of select="\$idvalue"/>').
Schematron assert	role	error
	test	parent::*[text()=ancestor::h17:structuredBody//*[@ID=\$idvalue]/text()]
	Message	The originalText content MUST be identical to the narrative text for this reference.
Schematron assert	role	error
	test	(@code and @codeSystem) or (@nullFlavor='OTH' and h17:originalText)

		Message	Either a code with its code system or nullFlavor='OTH' with an originalText element is required.	
h17:addr	AD	1 ... 1	R	The address is where the material was located, from which the sample was taken. If it is not known, nullFavor='UNK' MUST be used.
	Schematron assert	role	error	
		test	not(@nullFlavor) or (@nullFlavor='UNK')	
		Message	If the address is not known, nullFavor='UNK' MUST be used.	

IHE
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TF3
Rev.8,
6.3.4.4

1.4.7 Laboratory Battery Organizer

Id	2.16.756.5.30.1.1.10.4.19	Effective Date	2017-06-21 Other versions this id:
Status	● Under pre-publication review	Version Label	2017
Name	chpalm_entry_LaboratoryBatteryOrganizer	Display Name	Laboratory Battery Organizer

Description

According to IHE XD-LAB, the Laboratory Battery Organizer allows the grouping of results. Laboratory reports MUST contain at least one result group with at least one result. The grouping of multiple results (Observations) into multiple result groups (Laboratory Battery Organizers) is permitted.

Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.4.19
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Label	IHE PaIM TF3 Rev.8, 6.3.4.12			
Classification	CDA Entry Level Template			
Open/Closed	Open (other than defined elements are allowed)			
Uses	Uses 12 templates			
	Uses	as	Name	Version
	2.16.756.5.30.1.1.10.4.5	Containment	Non-Human Subject - subject Containment (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.6	Containment	Human Patient with Non-Human Subject - subject Containment (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.7	Containment	Laboratory Performer - performer Containment (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.9.16	Containment	Author Compilation with name, addr and telecom (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.8	Containment	Laboratory Results Validator - authenticator/participant Containment (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.9	Containment	Responsible Party - participant Containment (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.10	Containment	Device - participant Containment (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.11	Containment	Specimen Collection (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.3	Containment	Laboratory Observation (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.18	Containment	Multimedia Embedded Content (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.2	Containment	Annotation Comments (2016)	DYNAMIC
2.16.756.5.30.1.1.10.4.29	Containment	External document (2017)	DYNAMIC	
Relationship	Specialization: template 2.16.840.1.113883.10.12.305 (2005-09-07) Specialization: template 1.3.6.1.4.1.19376.1.3.1.4 (DYNAMIC)			

Example	<div style="background-color: #ffffcc; padding: 5px; margin-bottom: 5px;">Example</div> <pre> <organizer classCode="BATTERY" moodCode="EVN"> <templateId root="2.16.756.5.30.1.1.10.4.19"/> <templateId root="1.3.6.1.4.1.19376.1.3.1.4"/> <id root="2.999" extension="your id"/> <code displayName="displayName" codeSystemName="codeSystemName" codeSystem="1.2.3.999" code="cs"/> <statusCode/> <effectiveTime value="20180320134438+0100"/> </organizer> </pre>
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Item	DT	Card	Conf	Description	Label
h17:organizer					IHE PaIM TF3 Rev.8, 6.3.4.12
└ @classCode	CS	1 ... 1	F	BATTERY	
└ @moodCode	CS	1 ... 1	F	EVN	
└ h17:templateId	II	1 ... 1	M		IHE PaIM TF3 Rev.8, 6.3.4.12
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.4.19	

<code>L h17:templateId</code>	II	1 ... 1	M		IHE PaIM TF3 Rev.8, 6.3.4.12
<code>L @root</code>	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.3.1.4	
<code>L h17:id</code>	II	0 ... 1		An ID for this item MAY be filled for traceability.	IHE PaIM TF3 Rev.8, 6.3.4.12
<code>L @root</code>	uid	1 ... 1	R	MUST contain the OID of the system that issued the ID. OIDs of code systems, which are published in the public OID registry for the Swiss health care system (oid.refdata.ch) are REQUIRED. Others are NOT ALLOWED.	
<code>L @extension</code>	st	0 ... 1		Contains the ID itself. The ID MUST be unique within the system that issued the ID.	
<code>L h17:code</code>	CD	0 ... 1		IF the results in this result group are associated to a codable group (e.g., LOINC Code 55429-5 for 'short blood count panel'), then the code SHOULD be specified. The code system is not further specified. LOINC (2.16.840.1.113883.6.1) or SNOMED CT (2.16.840.1.113883.6.96) codes or values from the HL7 vocabulary ObservationType (2.16.840.1.113883.1.11.16226) SHOULD be used. IF this result group contains any other results, then the code SHOULD be omitted.	IHE PaIM TF3 Rev.8, 6.3.4.12
<code>L @code</code>	cs	1 ... 1	R	The code MUST be specified.	
<code>L @codeSystem</code>	oid	1 ... 1	R	The OID of the code system MUST be specified.	
<code>L @codeSystemName</code>	st	1 ... 1	R	The name of the code system MUST be specified for tracking purposes. However, processing is NOT ALLOWED.	

<code>└ @displayName</code>	st	1 ... 1	R	The displayName of the code MUST be specified for tracking purposes. However, processing is NOT ALLOWED. Instead, a processing system is to display a user readable language translation of the code from the value set.	
<code>└ h17:statusCode</code>	CS	1 ... 1	M	The status 'completed' means that all expected results for this results group are present and in a final state. The status 'aborted' means that the examinations had to be aborted. Some results MAY be available.	IHE PaIM TF3 Rev.8, 6.3.4.12
	CONF			The value of @code shall be drawn from value set 1.3.6.1.4.1.19376.1.3.11.2 <i>ActStatusAbortedCompleted</i> (DYNAMIC)	
<code>└ h17:effectiveTime</code>	IVL_TS.CH.TZ	1 ... 1	R	Timestamp or period of findings (physiologically relevant period) for all results in this result group.	IHE PaIM TF3 Rev.8, 6.3.4.12
<code>└ @value</code>	TS.CH.TZ	0 ... 1		Timestamp. Accuracy of the value: Date and time with hour and minute. If it is not known, nullFavor='UNK' must be used.	
<code>└ h17:low</code>	TS.CH.TZ	0 ... 1		Start of the period. Accuracy of the value: Date and time with hour and minute. If it is not known, nullFavor='UNK' must be used.	IHE PaIM TF3 Rev.8, 6.3.4.12
	Schematron assert	role	● error		
		test	string-length(@value)>11		
		Message	A precision of date and time of day with at least hour and minute is required.		

<p>└ h17:high</p>	<p>TS.CH.TZ</p>	<p>0 ... 1</p>	<p>End of the period. Accuracy of the value: Date and time with hour and minute. If it is not known, nullFavor='UNK' must be used.</p>	<p>IHE PaIM TF3 Rev.8, 6.3.4.12</p>	
<p>Schematron assert</p>		<p>role</p>	<p>● error</p>		
<p>Schematron assert</p>		<p>test</p>	<p>string-length(@value)>11</p>		
<p>Message</p>		<p>A precision of date and time of day with at least hour and minute is required.</p>			
<p>Schematron assert</p>		<p>role</p>	<p>● error</p>		
<p>Schematron assert</p>		<p>test</p>	<p>@nullFlavor='UNK' or @value or (hl7:low and hl7:high)</p>		
<p>Message</p>		<p>Either the imestamp or the period of the findings MUST be declared. If it is not known, nullFavor='UNK' must be used.</p>			
<p>Choice</p>		<p>0 ... 1</p>	<p>IF this result group is based on a specimen of a non-human material, the subject element MUST be declared. Elements to choose from:</p> <ul style="list-style-type: none"> ▪ hl7:subject containing template 2.16.756.5.30.1.1.10.4.5 <i>Non-Human Subject - subject Containment</i> (DYNAMIC) ▪ hl7:subject containing template 2.16.756.5.30.1.1.10.4.6 <i>Human Patient with Non-Human Subject - subject Containment</i> (DYNAMIC) 		
<p>└ h17:subject</p>		<p>0 ... 1</p>	<p>Contains 2.16.756.5.30.1.1.10.4.5 <i>Non-Human Subject - subject Containment</i> (DYNAMIC)</p>	<p>IHE PaIM TF3 Rev.8, 6.3.4.12</p>	
<p>where [hl7:relatedSubject]</p>					

\perp <code>hl7:subject</code>		0 ... 1	Contains 2.16.756.5.30.1.1.10.4.6 <i>Human Patient with Non-Human Subject - subject Containment</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.12
where <code>[hl7:relatedSubject]</code>				
\perp <code>hl7:performer</code>		0 ... *	This CAN be used to indicate who has performed the test. This information supersedes any information recorded at higher level. Contains 2.16.756.5.30.1.1.10.4.7 <i>Laboratory Performer - performer Containment</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.12
where <code>[hl7:assignedEntity]</code>				
\perp <code>hl7:author</code>		0 ... *	This CAN be used to indicate who has documented the result. This information supersedes any information recorded at higher level. Contains 2.16.756.5.30.1.1.10.9.16 <i>Author Compilation with name, addr and telecom</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.12
where <code>[hl7:functionCode [concat(@code, @codeSystem) = doc('include/voc-2.16.756.5.30.1.127.3.10.1.1.3-DYNAMIC.xml')/valueSet [1]/conceptList/concept/concat(@code, @codeSystem) or @nullFlavor]]</code>				
Choice	0 ... *	This CAN be used to identify other parties: <ul style="list-style-type: none"> ▪ Who has verified the result (AUTHEN). ▪ Which external laboratory has delivered the result (RESP). ▪ Which device (analyzer) was used to determine the result (DEV). Elements to choose from: <ul style="list-style-type: none"> ▪ <code>hl7:participant</code> containing template 2.16.756.5.30.1.1.10.4.8 <i>Laboratory Results Validator - authenticator/participant Containment</i> (DYNAMIC) ▪ <code>hl7:participant</code> containing template 2.16.756.5.30.1.1.10.4.9 <i>Responsible Party -</i> 		


				<p><i>participant Containment</i> (DYNAMIC)</p> <ul style="list-style-type: none"> hl7:participant containing template 2.16.756.5.30.1.1.10.4.10 <i>Device - participant Containment</i> (DYNAMIC) 	
└	hl7:participant		0 ... *	<p>Who has verified the result (AUTHEN). This information supersedes any information recorded at higher level. Contains 2.16.756.5.30.1.1.10.4.8 <i>Laboratory Results Validator - authenticator/participant Containment</i> (DYNAMIC)</p>	IHE PaIM TF3 Rev.8, 6.3.4.12
where [hl7:participantRole]					
└	hl7:participant		0 ... *	<p>Which external laboratory has delivered the result (RESP). This information supersedes any information recorded at higher level. Contains 2.16.756.5.30.1.1.10.4.9 <i>Responsible Party - participant Containment</i> (DYNAMIC)</p>	IHE PaIM TF3 Rev.8, 6.3.4.12
where [hl7:participantRole]					
└	hl7:participant		0 ... *	<p>Which device (analyzer) was used to determine the result (DEV). This information supersedes any information recorded at higher level. Contains 2.16.756.5.30.1.1.10.4.10 <i>Device - participant Containment</i> (DYNAMIC)</p>	IHE PaIM TF3 Rev.8, 6.3.4.12
where [hl7:participantRole]					
Choice			0 ... *	<p>Elements to choose from:</p> <ul style="list-style-type: none"> hl7:entryRelationship containing template 2.16.756.5.30.1.1.10.4.11 <i>Specimen Collection</i> (DYNAMIC) hl7:entryRelationship containing template 2.16.756.5.30.1.1.10.4.3 <i>Laboratory Observation</i> (DYNAMIC) 	

- hl7:entryRelationship containing template 2.16.756.5.30.1.1.10.4.18 *Multimedia Embedded Content* (DYNAMIC)
- hl7:entryRelationship containing template 2.16.756.5.30.1.1.10.4.2 *Annotation Comments* (DYNAMIC)

└ hl7:entryRelationship		0 ... *		Contains 2.16.756.5.30.1.1.10.4.11 <i>Specimen Collection</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.12
where [hl7:procedure]					
└ @typeCode	CS	1 ... 1	F	COMP	
└ hl7:entryRelationship		0 ... *		Contains 2.16.756.5.30.1.1.10.4.3 <i>Laboratory Observation</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.12
where [hl7:observation]					
└ @typeCode	CS	1 ... 1	F	COMP	
└ hl7:entryRelationship		0 ... *		Contains 2.16.756.5.30.1.1.10.4.18 <i>Multimedia Embedded Content</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.12
where [hl7:observationMedia]					
└ @typeCode	CS	1 ... 1	F	COMP	

└ h17:entryRelationship		0 ... *		Contains 2.16.756.5.30.1.1.10.4.2 <i>Annotation Comments</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.12
where [hl7:act]					
└ @typeCode	CS	1 ... 1	F	COMP	
└ h17:reference		0 ... *		This CAN be used to make reference to an external document. Contains 2.16.756.5.30.1.1.10.4.29 <i>External document</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.12
where [hl7:externalDocument]					
└ @typeCode	CS	1 ... 1	F	REFR	

1.4.8 Laboratory Battery Organizer - Antibigram

Id	2.16.756.5.30.1.1.10.4.87	Effective Date	2018-04-19 Other versions this id:
Status	 Under pre-publication review	Version Label	2018
Name	cdachlrep_entry_LaboratoryBatteryOrganizerAntibiogram	Display Name	Laboratory Battery Organizer - Antibigram
Description	Coding of an antibiogram.		
Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.4.87		

Label	CDA-CH-LREP			
Classification	CDA Entry Level Template			
Open/Closed	Open (other than defined elements are allowed)			
Uses	Uses 12 templates			
	Uses	as	Name	Version
	2.16.756.5.30.1.1.10.4.5	Containment	Non-Human Subject - subject Containment (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.6	Containment	Human Patient with Non-Human Subject - subject Containment (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.7	Containment	Laboratory Performer - performer Containment (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.9.16	Containment	Author Compilation with name, addr and telecom (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.8	Containment	Laboratory Results Validator - authenticator/participant Containment (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.9	Containment	Responsible Party - participant Containment (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.10	Containment	Device - participant Containment (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.3	Containment	Laboratory Observation (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.11	Containment	Specimen Collection (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.18	Containment	Multimedia Embedded Content (2017)	DYNAMIC
2.16.756.5.30.1.1.10.4.2	Containment	Annotation Comments (2016)	DYNAMIC	
2.16.756.5.30.1.1.10.4.29	Containment	External document (2017)	DYNAMIC	
Relationship	Specialization: template 2.16.840.1.113883.10.12.305 (2005-09-07) Specialization: template 1.3.6.1.4.1.19376.1.3.1.4 (DYNAMIC)			
Example	Example			





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<organizer classCode="BATTERY" moodCode="EVN">
  <templateId root="2.16.756.5.30.1.1.10.4.87"/>
  <templateId root="2.16.756.5.30.1.1.10.4.19"/>
  <templateId root="1.3.6.1.4.1.19376.1.3.1.4"/>
  <code code="29576-6" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Bacterial susceptibility panel"/>
  <text>
    <reference value="#nartext1"/>
  </text>
  <statusCode code="completed"/>
  <effectiveTime value="20180311201728+01:00"/>
  <component typeCode="COMP">
    <observation classCode="OBS" moodCode="EVN">
      <templateId root="1.3.6.1.4.1.19376.1.3.1.6"/>
      <code code="18861-5" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Amoxicillin [Susceptibility]"/>
      <text>
        <reference value="#nartext1"/>
      </text>
      <statusCode code="completed"/>
      <effectiveTime value="20180311202253"/>
      <value xsi:type="PQ" unit="mg/dL" value="2.0"/>
      <interpretationCode code="R" codeSystem="2.16.840.1.113883.5.83"/>
    </observation>
  </component>
</organizer>
    
```

Item	DT	Card	Conf	Description	Label
h17:organizer				Coding of an antibiogram. This organizer MUST be placed as a component within a Pathogen Detection Laboratory Isolate Organizer.	CDA-...LREP
└ @classCode	CS	1 ... 1	F	BATTERY	
└ @moodCode	CS	1 ... 1	F	EVN	

<code>L h17:templateId</code>	II	1 ... 1	M		CDA-...LREP
<code>L @root</code>	uid	1 ... 1	F	2.16.756.5.30.1.1.10.4.87	
<code>L h17:templateId</code>	II	1 ... 1	M		CDA-...LREP
<code>L @root</code>	uid	1 ... 1	F	2.16.756.5.30.1.1.10.4.19	
<code>L h17:templateId</code>	II	1 ... 1	M		CDA-...LREP
<code>L @root</code>	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.3.1.4	
<code>L h17:id</code>	II	0 ... 1		An ID for this item MAY be filled for traceability.	CDA-...LREP
<code>L @root</code>	uid	1 ... 1	R	MUST contain the OID of the system that issued the ID. OIDs of code systems, which are published in the public OID registry for the Swiss health care system (oid.refdata.ch) are REQUIRED. Others are NOT ALLOWED.	
<code>L @extension</code>	st	0 ... 1		Contains the ID itself. The ID MUST be unique within the system that issued the ID.	

L h17:code	CD	0 ... 1		The antibiogram MUST be declared using the LOINC code 29576-6 "Bacterial susceptibility panel".	CDA-...LREP
L @code	cs	1 ... 1	F	29576-6	
L @codeSystem	oid	1 ... 1	F	2.16.840.1.113883.6.1	
L @codeSystemName	st	1 ... 1	F	LOINC	
L @displayName	st	1 ... 1	F	Bacterial susceptibility panel	
L h17:statusCode	CS	1 ... 1	M	The status 'completed' means that all expected results for this results group are present and in a final state. The status 'aborted' means that the examinations had to be aborted. Some results MAY be available.	CDA-...LREP
	CONF			The value of @code shall be drawn from value set 1.3.6.1.4.1.19376.1.3.11.2 <i>ActStatusAbortedCompleted</i> (DYNAMIC)	
L h17:effectiveTime	IVL_TS.CH.TZ	1 ... 1	R	Timestamp or period of findings (physiologically relevant period) for all results in this result group.	CDA-...LREP
L @value	TS.CH.TZ	0 ... 1		Timestamp. Accuracy of the value: Date and time with hour and minute. If it is not known, nullFavor="UNK" must be used.	




<p>└ h17:low</p>	<p>TS.CH.TZ</p>	<p>0 ... 1</p>	<p>Start of the period. Accuracy of the value: Date and time with hour and minute. If it is not known, nullFavor='UNK' must be used.</p>	<p>CDA-...LREP</p>
<p>Schematron assert</p>		<p>role</p>	<p> error</p>	
<p>Schematron assert</p>		<p>test</p>	<p>string-length(@value)>11</p>	
<p>Message</p>		<p>A precision of date and time of day with at least hour and minute is required.</p>		
<p>└ h17:high</p>	<p>TS.CH.TZ</p>	<p>0 ... 1</p>	<p>End of the period. Accuracy of the value: Date and time with hour and minute. If it is not known, nullFavor='UNK' must be used.</p>	<p>CDA-...LREP</p>
<p>Schematron assert</p>		<p>role</p>	<p> error</p>	
<p>Schematron assert</p>		<p>test</p>	<p>string-length(@value)>11</p>	
<p>Message</p>		<p>A precision of date and time of day with at least hour and minute is required.</p>		
<p>Schematron assert</p>		<p>role</p>	<p> error</p>	
<p>Schematron assert</p>		<p>test</p>	<p>@nullFavor='UNK' or @value or (h17:low and h17:high)</p>	
<p>Message</p>		<p>Either the imestamp or the period of the findings MUST be declared. If it is not known, nullFavor='UNK' must be used.</p>		
<p>Choice</p>			<p>0 ... 1</p>	<p>IF this result group is based on a specimen of a non-human material, the subject element MUST be declared. Elements to choose from:</p> <ul style="list-style-type: none"> ▪ h17:subject containing template 2.16.756.5.30.1.1.10.4.5 <i>Non-Human Subject - subject Containment</i> (DYNAMIC) ▪ h17:subject containing template 2.16.756.5.30.1.1.10.4.6 <i>Human Patient with Non-Human Subject - subject Containment</i> (DYNAMIC)

<code>└ h17:subject</code>		0 ... 1		Contains 2.16.756.5.30.1.1.10.4.5 <i>Non-Human Subject - subject Containment</i> (DYNAMIC)	CDA- ...LREP
where <code>[h17:relatedSubject]</code>					
<code>└ h17:subject</code>		0 ... 1		Contains 2.16.756.5.30.1.1.10.4.6 <i>Human Patient with Non-Human Subject - subject Containment</i> (DYNAMIC)	CDA- ...LREP
where <code>[h17:relatedSubject]</code>					
<code>└ h17:performer</code>		0 ... *		This CAN be used to indicate who has performed the test. This information supersedes any information recorded at higher level. Contains 2.16.756.5.30.1.1.10.4.7 <i>Laboratory Performer - performer Containment</i> (DYNAMIC)	CDA- ...LREP
where <code>[h17:assignedEntity]</code>					
<code>└ h17:author</code>		0 ... *		This CAN be used to indicate who has documented the result. This information supersedes any information recorded at higher level. Contains 2.16.756.5.30.1.1.10.9.16 <i>Author Compilation with name, addr and telecom</i> (DYNAMIC)	CDA- ...LREP
where <code>[h17:functionCode [concat(@code, @codeSystem) = doc('include/voc-2.16.756.5.30.1.127.3.10.1.1.3-DYNAMIC.xml')/valueSet [1]/conceptList/concept/concat(@code, @codeSystem) or @nullFlavor]]</code>					
<i>Choice</i>		0 ... *		This CAN be used to identify other parties: <ul style="list-style-type: none"> Who has verified the result (AUTHEN). 	

- Which external laboratory has delivered the result (RESP).
- Which device (analyzer) was used to determine the result (DEV).

Elements to choose from:

- hl7:participant containing template 2.16.756.5.30.1.1.10.4.8 *Laboratory Results Validator - authenticator/participant Containment* (DYNAMIC)
- hl7:participant containing template 2.16.756.5.30.1.1.10.4.9 *Responsible Party - participant Containment* (DYNAMIC)
- hl7:participant containing template 2.16.756.5.30.1.1.10.4.10 *Device - participant Containment* (DYNAMIC)

 hl7:participant		0 ... *	Who has verified the result (AUTHEN). This information supersedes any information recorded at higher level. Contains 2.16.756.5.30.1.1.10.4.8 <i>Laboratory Results Validator - authenticator/participant Containment</i> (DYNAMIC)	CDA-...LREP
where [hl7:participantRole]				
 hl7:participant		0 ... *	Which external laboratory has delivered the result (RESP). This information supersedes any information recorded at higher level. Contains 2.16.756.5.30.1.1.10.4.9 <i>Responsible Party - participant Containment</i> (DYNAMIC)	CDA-...LREP
where [hl7:participantRole]				
 hl7:participant		0 ... *	Which device (analyzer) was used to determine the result (DEV). This information supersedes any information recorded at higher level. Contains 2.16.756.5.30.1.1.10.4.10 <i>Device - participant Containment</i> (DYNAMIC)	CDA-...LREP

where [hl7:participantRole]					
Choice			0 ... *		<p>For "Laboratory Observation" coding, use the filter 'property:susc class:abxbact' on search.loinc.org (see https://search.loinc.org/searchLOINC/search.zul?query=property%3Asusc+class%3Aabxbact).</p> <p>Elements to choose from:</p> <ul style="list-style-type: none"> hl7:entryRelationship containing template 2.16.756.5.30.1.1.10.4.3 <i>Laboratory Observation</i> (DYNAMIC) hl7:entryRelationship containing template 2.16.756.5.30.1.1.10.4.11 <i>Specimen Collection</i> (DYNAMIC) hl7:entryRelationship containing template 2.16.756.5.30.1.1.10.4.18 <i>Multimedia Embedded Content</i> (DYNAMIC) hl7:entryRelationship containing template 2.16.756.5.30.1.1.10.4.2 <i>Annotation Comments</i> (DYNAMIC)
	└ hl7:entryRelationship		0 ... *		<p>For observation coding, use the filter 'property:susc class:abxbact' on search.loinc.org (see https://search.loinc.org/searchLOINC/search.zul?query=property%3Asusc+class%3Aabxbact).</p> <p>Contains 2.16.756.5.30.1.1.10.4.3 <i>Laboratory Observation</i> (DYNAMIC)</p>
where [hl7:observation]					
	└ @typeCode	CS	1 ... 1	F	COMP
	└ hl7:entryRelationship		0 ... *		<p>Contains 2.16.756.5.30.1.1.10.4.11 <i>Specimen Collection</i> (DYNAMIC)</p>
where [hl7:procedure]					

└ @typeCode	CS	1 ... 1	F	COMP		
└ h17:entryRelationship		0 ... *		Contains 2.16.756.5.30.1.1.10.4.18 <i>Multimedia Embedded Content</i> (DYNAMIC)	CDA-...LREP	
where [h17:observationMedia]						
└ @typeCode	CS	1 ... 1	F	COMP		
└ h17:entryRelationship		0 ... *		Contains 2.16.756.5.30.1.1.10.4.2 <i>Annotation Comments</i> (DYNAMIC)	CDA-...LREP	
where [h17:act]						
└ @typeCode	CS	1 ... 1	F	COMP		
└ h17:reference		0 ... *		This CAN be used to make reference to an external document. Contains 2.16.756.5.30.1.1.10.4.29 <i>External document</i> (DYNAMIC)	CDA-...LREP	
where [h17:externalDocument]						
└ @typeCode	CS	1 ... 1	F	REFR		
Schematron assert		role	error			
		test		ancestor::h17:templateId[@root='2.16.756.5.30.1.1.10.4.85']		

Message The antibiogram must be placed in a Pathogen Detection Laboratory Isolate Organizer.

1.4.9 Laboratory Isolate Organizer

Id	2.16.756.5.30.1.1.10.4.17	Effective Date	2017-06-21 Other versions this id:
Status	● Under pre-publication review	Version Label	2017
Name	chpalm_entry_LaboratoryIsolateOrganizer	Display Name	Laboratory Isolate Organizer
Description	The Laboratory Isolate Organizer MUST ONLY be used if it is a microbiological specimen with which isolates/germs were examined.		
Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.4.17		
Label	IHE PaM TF3 Rev.8, 6.3.4.11		
Classification	CDA Entry Level Template		
Open/Closed	Open (other than defined elements are allowed)		

Uses	Uses 13 templates			
	Uses	as	Name	Version
	2.16.756.5.30.1.1.10.9.14	Include	● Narrative Text Reference (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.5	Containment	● Non-Human Subject - subject Containment (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.6	Containment	● Human Patient with Non-Human Subject - subject Containment (2017)	DYNAMIC
2.16.756.5.30.1.1.10.4.7	Containment	● Laboratory Performer - performer Containment (2017)	DYNAMIC	

	<p>2.16.756.5.30.1.1.10.9.16 Containment ● Author Compilation with name, addr and telecom (2017) DYNAMIC</p> <p>2.16.756.5.30.1.1.10.4.8 Containment ● Laboratory Results Validator - authenticator/participant Containment (2017) DYNAMIC</p> <p>2.16.756.5.30.1.1.10.4.9 Containment ● Responsible Party - participant Containment (2017) DYNAMIC</p> <p>2.16.756.5.30.1.1.10.4.10 Containment ● Device - participant Containment (2017) DYNAMIC</p> <p>2.16.756.5.30.1.1.10.4.11 Containment ● Specimen Collection (2017) DYNAMIC</p> <p>2.16.756.5.30.1.1.10.4.3 Containment ● Laboratory Observation (2017) DYNAMIC</p> <p>2.16.756.5.30.1.1.10.4.18 Containment ● Multimedia Embedded Content (2017) DYNAMIC</p> <p>2.16.756.5.30.1.1.10.4.2 Containment ● Annotation Comments (2016) DYNAMIC</p> <p>2.16.756.5.30.1.1.10.4.29 Containment ● External document (2017) DYNAMIC</p>
Relationship	<p>Specialization: template 2.16.840.1.113883.10.12.303 (2005-09-07)</p> <p>Specialization: template 1.3.6.1.4.1.19376.1.3.1.5 (2008-08-08)</p>
Example	<p>XD-LAB Example</p> <pre> <organizer classCode="CLUSTER" moodCode="EVN"> <templateId root="2.16.756.5.30.1.1.10.4.17"/> <templateId root="1.3.6.1.4.1.19376.1.3.1.5"/> <statusCode code="completed"/> <effectiveTime value="20071108000000.0000-0500"/> <specimen typeCode="SPC"> <specimenRole classCode="ISLT"> <id root="1.3.6.1.4.1.19376.1.3.4" extension="55584739"/> <specimenPlayingEntity classCode="MIC"> <code code="79153007" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Salmonella tennessee 6,7,14;z29;1,2,7"/> </specimenPlayingEntity> </specimenRole> </specimen> <performer typeCode="PRF"> </pre>

```

        <templateId root="1.3.6.1.4.1.19376.1.3.3.1.7"/>
        <!-- .. -->
    </performer>
    <author typeCode="AUT"> ... </author>
    <participant typeCode="AUTHEN">
        <templateId root="1.3.6.1.4.1.19376.1.3.3.1.5"/>
        <!-- .. -->
    </participant>
    <participant typeCode="RESP">
        <!-- .. -->
    </participant>
    <participant typeCode="DEV">
        <!-- .. -->
    </participant>
    <component>
        <observation classCode="OBS" moodCode="EVN">
            <templateId root="1.3.6.1.4.1.19376.1.3.1.6"/>
            <code code="89029-0" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Microbiology Culture"/>
            <!-- .. -->
        </observation>
    </component>
</organizer>

```

Item	DT	Card	Conf	Description	Label
h17:organizer					IHE PaIM TF3 Rev.8, 6.3.4.11
└ @classCode	CS	1 ... 1	F	CLUSTER	
└ @moodCode	CS	1 ... 1	F	EVN	

<code>L h17:templateId</code>	II	1 ... 1	M		IHE PaIM TF3 Rev.8, 6.3.4.11
<code>L @root</code>	uid	1 ... 1	F	2.16.756.5.30.1.1.10.4.17	
<code>L h17:templateId</code>	II	1 ... 1	M		IHE PaIM TF3 Rev.8, 6.3.4.11
<code>L @root</code>	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.3.1.5	
<code>L h17:id</code>	II	0 ... 1	R	An ID for this item MAY be filled for traceability.	IHE PaIM TF3 Rev.8, 6.3.4.11
<code>L @root</code>	uid	1 ... 1	R	MUST contain the OID of the system that issued the ID. OIDs of code systems, which are published in the public OID registry for the Swiss health care system (oid.refdata.ch) are REQUIRED. Others are NOT ALLOWED.	
<code>L @extension</code>	st	0 ... 1		Contains the ID itself. The ID MUST be unique within the system that issued the ID.	
<code>L h17:code</code>	CE	0 ... 1			IHE PaIM TF3 Rev.8, 6.3.4.11

				<p>If the results in this isolate group are associated to a codable group, then the code SHOULD be specified. The code system is not further specified. LOINC (2.16.840.1.113883.6.1) or SNOMED CT (2.16.840.1.113883.6.96) codes or values from the HL7 vocabulary ObservationType (2.16.840.1.113883.1.11.16226) SHOULD be used.</p> <p>IF this isolate group contains any other results, then the code SHOULD be omitted.</p>	
└ @code	cs	1 ... 1	R	The code MUST be specified.	
└ @codeSystem	oid	1 ... 1	R	The OID of the code system MUST be specified.	
└ @codeSystemName	st	1 ... 1	R	The name of the code system MUST be specified for tracking purposes. However, processing is NOT ALLOWED.	
└ @displayName	st	1 ... 1	R	The displayName of the code MUST be specified for tracking purposes. However, processing is NOT ALLOWED. Instead, a processing system is to display a user readable language translation of the code from the value set.	
<i>Included</i>		1 ... 1		<p>from 2.16.756.5.30.1.1.10.9.14 <i>Narrative Text Reference</i> (DYNAMIC)</p> <p>The human-readable text MUST be generated automatically from the structured information of this element. The text element MUST contain the reference to the corresponding text in the human readable part, ONLY.</p>	
└ hl7:text	ED	1 ... 1	M		CDA-CH V2

<p>└ h17:reference</p>	<p>TEL</p>	<p>1 ... 1</p>	<p>M</p>	<p>The reference to the corresponding text in the human readable part must be specified by reference to content[@ID]: reference[@value='#xxx']</p>	<p>CDA-CH V2</p>
<p>└ @value</p>	<p>Schematron assert</p> <p>Variable let</p> <p>Schematron assert</p>	<p>1 ... 1</p>	<p>R</p>	<p>Reference to the narrative part of the section in the format '#xxx', where xxx is the ID of the corresponding <content></content> element.</p> <p>role error</p> <p>test starts-with(@value,'#')</p> <p>Message The @value attribute content MUST conform to the format '#xxx', where xxx is the ID of the corresponding <content/> element.</p> <p>Name idvalue</p> <p>Value substring-after(@value,'#')</p> <p>role error</p> <p>test ancestor::h17:structuredBody//*[@ID=\$idvalue]</p> <p>Message No narrative text found for this reference (no content element within this document has an ID that corresponds to '<value-of select="\$idvalue"/>').</p>	
<p>└ h17:statusCode</p>	<p>CS</p>	<p>1 ... 1</p>	<p>M</p>	<p>The status 'completed' means that all expected results for this isolate are present and in a final state.</p> <p>The status 'active' means that the examinations are still running. Some results are still pending.</p> <p>The status 'aborted' means that the examinations had to be aborted. Some results MAY be available.</p>	<p>IHE PaIM TF3 Rev.8, 6.3.4.11</p>

	CONF	The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.20309 <i>ActStatusAborted-CancelledCompleted</i> (DYNAMIC)		
L _{h17:effectiveTime}	IVL_TS.CH.TZ	1 ... 1	R	Timestamp or period of findings (physiologically relevant period) for all results in this result group. IHE PaIM TF3 Rev.8, 6.3.4.11
L _{@value}	TS.CH.TZ	0 ... 1		Timestamp. Accuracy of the value: Date and time with hour and minute. If it is not known, nullFavor='UNK' must be used.
L _{h17:low}	TS.CH.TZ	0 ... 1		Start of the period. Accuracy of the value: Date and time with hour and minute. If it is not known, nullFavor='UNK' must be used. IHE PaIM TF3 Rev.8, 6.3.4.11
	Schematron assert	role	● error	
	Schematron assert	test	string-length(@value)>11	
	Schematron assert	Message	A precision of date and time of day with at least hour and minute is required.	
L _{h17:high}	TS.CH.TZ	0 ... 1		End of the period. Accuracy of the value: Date and time with hour and minute. If it is not known, nullFavor='UNK' must be used. IHE PaIM TF3 Rev.8, 6.3.4.11
	Schematron assert	role	● error	
	Schematron assert	test	string-length(@value)>11	
	Schematron assert	Message	A precision of date and time of day with at least hour and minute is required.	
	Schematron assert	role	● error	
	Schematron assert	test	@nullFavor='UNK' or @value or (h17:low and h17:high)	
	Schematron assert	Message	Either the imestamp or the period of the findings MUST be declared. If it is not	

				known, nullFavor='UNK' must be used.	
				IF this isolate group is based on a specimen of a non-human material, the subject element MUST be declared. Elements to choose from:	
Choice		0 ... 1		<ul style="list-style-type: none"> hl7:subject containing template 2.16.756.5.30.1.1.10.4.5 <i>Non-Human Subject - subject Containment</i> (DYNAMIC) hl7:subject containing template 2.16.756.5.30.1.1.10.4.6 <i>Human Patient with Non-Human Subject - subject Containment</i> (DYNAMIC) 	
└ h17:subject		0 ... 1		Contains 2.16.756.5.30.1.1.10.4.5 <i>Non-Human Subject - subject Containment</i> (DYNAMIC)	IHE PalM TF3 Rev.8, 6.3.4.11
where [hl7:relatedSubject]					
└ h17:subject		0 ... 1		Contains 2.16.756.5.30.1.1.10.4.6 <i>Human Patient with Non-Human Subject - subject Containment</i> (DYNAMIC)	IHE PalM TF3 Rev.8, 6.3.4.11
where [hl7:relatedSubject]					
└ h17:specimen		1 ... 1	R	The specific sub-specimen on which a microorganism was isolated and cultivated.	IHE PalM TF3 Rev.8, 6.3.4.11
└ @typeCode	CS	1 ... 1	F	SPC	

<code>└ h17:specimenRole</code>		1 ... 1	R		IHE PaIM TF3 Rev.8, 6.3.4.11
<code>└ @classCode</code>	CS	1 ... 1	F	SPEC	
<code>└ h17:id</code>	II	0 ... 1		Unique identifier for this isolate, known to the laboratory.	IHE PaIM TF3 Rev.8, 6.3.4.11
<code>└ @root</code>	uid	1 ... 1	R	MUST contain the OID of the system that issued the ID. OIDs of code systems, which are published in the public OID registry for the Swiss health care system (oid.refdata.ch) are REQUIRED. Others are NOT ALLOWED.	
<code>└ @extension</code>	st	0 ... 1		Contains the ID itself. The ID MUST be unique within the system that issued the ID.	
<code>└ h17:specimenPlayingEntity</code>		1 ... 1	R		IHE PaIM TF3 Rev.8, 6.3.4.11
<code>└ @classCode</code>	CS	1 ... 1	F	MIC	
<code>└ h17:code</code>	CE	1 ... 1	R	Identification of the microorganism, in a standard vocabulary.	IHE PaIM TF3 Rev.8, 6.3.4.11
<code>└ @code</code>	CS	1 ... 1	R	The code MUST be specified.	

<code>└ @codeSystem</code>	oid	1 ... 1	R	The OID of the code system MUST be specified.	
<code>└ @codeSystemName</code>	st	1 ... 1	R	The name of the code system MUST be specified for tracking purposes. However, processing is NOT ALLOWED.	
<code>└ @displayName</code>	st	1 ... 1	R	The displayName of the code MUST be specified for tracking purposes. However, processing is NOT ALLOWED. Instead, a processing system is to display a user readable language translation of the code from the value set.	
<code>└ h17:performer</code>		0 ... *		This CAN be used to indicate who has performed the test. This information supersedes any information recorded at higher level. Contains 2.16.756.5.30.1.1.10.4.7 <i>Laboratory Performer - performer Containment</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.11
where [hl7:assignedEntity]					
<code>└ h17:author</code>		0 ... *		This CAN be used to indicate who has documented the result. This information supersedes any information recorded at higher level. Contains 2.16.756.5.30.1.1.10.9.16 <i>Author Compilation with name, addr and telecom</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.11
where [hl7:functionCode [concat(@code, @codeSystem) = doc('include/voc-2.16.756.5.30.1.127.3.10.1.1.3-DYNAMIC.xml')/valueSet [1]/conceptList/concept/concat(@code, @codeSystem) or @nullFlavor]]					
Choice		0 ... *		This CAN be used to identify other parties: <ul style="list-style-type: none"> Who has verified the result (AUTHEN). Which external laboratory has delivered the result (RESP). Which device (analyzer) was used to determine the result (DEV). Elements to choose from: <ul style="list-style-type: none"> hl7:participant containing template 2.16.756.5.30.1.1.10.4.8 <i>Laboratory Results Validator - authenticator/participant Containment</i> (DYNAMIC) 	

				<ul style="list-style-type: none"> hl7:participant containing template 2.16.756.5.30.1.1.10.4.9 <i>Responsible Party - participant Containment</i> (DYNAMIC) hl7:participant containing template 2.16.756.5.30.1.1.10.4.10 <i>Device - participant Containment</i> (DYNAMIC) 	
	└ hl7:participant		0 ... *	Who has verified the result (AUTHEN). This information supersedes any information recorded at higher level. Contains 2.16.756.5.30.1.1.10.4.8 <i>Laboratory Results Validator - authenticator/participant Containment</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.11
	where [hl7:participantRole]				
	└ hl7:participant		0 ... *	Which external laboratory has delivered the result (RESP). This information supersedes any information recorded at higher level. Contains 2.16.756.5.30.1.1.10.4.9 <i>Responsible Party - participant Containment</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.11
	where [hl7:participantRole]				
	└ hl7:participant		0 ... *	Which device (analyzer) was used to determine the result (DEV). This information supersedes any information recorded at higher level. Contains 2.16.756.5.30.1.1.10.4.10 <i>Device - participant Containment</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.11
	where [hl7:participantRole]				
Choice			1 ... *	<p>Elements to choose from:</p> <ul style="list-style-type: none"> hl7:component containing template 2.16.756.5.30.1.1.10.4.11 <i>Specimen Collection</i> (DYNAMIC) hl7:component containing template 2.16.756.5.30.1.1.10.4.3 <i>Laboratory Obser-</i> 	


vation (DYNAMIC)

- hl7:component containing template 2.16.756.5.30.1.1.10.4.18 *Multimedia Embedded Content* (DYNAMIC)
- hl7:component containing template 2.16.756.5.30.1.1.10.4.2 *Annotation Comments* (DYNAMIC)















└─ hl7:component		0 ... *			Contains 2.16.756.5.30.1.1.10.4.11 <i>Specimen Collection</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.11
where [hl7:procedure]						
└─ @typeCode	CS	1 ... 1	F	COMP		
└─ hl7:component		0 ... *			Contains 2.16.756.5.30.1.1.10.4.3 <i>Laboratory Observation</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.11
where [hl7:observation]						
└─ @typeCode	CS	1 ... 1	F	COMP		
└─ hl7:component		0 ... *			Contains 2.16.756.5.30.1.1.10.4.18 <i>Multimedia Embedded Content</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.11
where [hl7:observationMedia]						

<code>└ @typeCode</code>	CS	1 ... 1	F	COMP	
<code>└ h17:component</code>		0 ... *		Contains 2.16.756.5.30.1.1.10.4.2 <i>Annotation Comments</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.11
where [h17:act]					
<code>└ @typeCode</code>	CS	1 ... 1	F	COMP	
<code>└ h17:reference</code>		0 ... *		This CAN be used to make reference to an external document. Contains 2.16.756.5.30.1.1.10.4.29 <i>External document</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.11
where [h17:externalDocument]					
<code>└ @typeCode</code>	CS	1 ... 1	F	REFR	

1.4.10 Laboratory Isolate Organizer - Pathogen Detection

Id	2.16.756.5.30.1.1.10.4.85
Status	 Under pre-publication review
Name	cdachlrep_entry_LaboratoryIsolateOrganizerPathogenDetection
Description	Coding of a pathogen detection.

Effective Date	2018-04-19 Other versions this id:
Version Label	2018
Display Name	Laboratory Isolate Organizer - Pathogen Detection

Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.4.85			
Label	CDA-CH-LREP			
Classification	CDA Entry Level Template			
Open/Closed	Open (other than defined elements are allowed)			
Uses	Uses 14 templates			
	Uses	as	Name	Version
	2.16.756.5.30.1.1.10.4.5	Containment	 Non-Human Subject - subject Containment (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.6	Containment	 Human Patient with Non-Human Subject - subject Containment (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.9.49	Include	 Original Text Reference (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.7	Containment	 Laboratory Performer - performer Containment (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.9.16	Containment	 Author Compilation with name, addr and telecom (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.8	Containment	 Laboratory Results Validator - authenticator/participant Containment (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.9	Containment	 Responsible Party - participant Containment (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.10	Containment	 Device - participant Containment (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.3	Containment	 Laboratory Observation (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.87	Containment	 Laboratory Battery Organizer - Antibigram (2018)	DYNAMIC
	2.16.756.5.30.1.1.10.4.11	Containment	 Specimen Collection (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.18	Containment	 Multimedia Embedded Content (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.2	Containment	 Annotation Comments (2016)	DYNAMIC
2.16.756.5.30.1.1.10.4.29	Containment	 External document (2017)	DYNAMIC	
Relationship	Specialization: template 2.16.840.1.113883.10.12.303 (2005-09-07) Specialization: template 1.3.6.1.4.1.19376.1.3.1.5 (DYNAMIC)			

Example

Example

```


<organizer classCode="CLUSTER" moodCode="EVN">
  <templateId root="2.16.756.5.30.1.1.10.4.85"/>
  <templateId root="2.16.756.5.30.1.1.10.4.17"/>
  <templateId root="1.3.6.1.4.1.19376.1.3.1.5"/>
  <text>
    <reference value="#nartext1"/>
  </text>
  <statusCode code="completed"/>
  <effectiveTime value="20180311200054+01:00"/>
  <specimen typeCode="SPC">
    <specimenRole classCode="SPEC">
      <id root="2.999" extension="65432132"/>
      <specimenPlayingEntity classCode="MIC">
        <code nullFlavor="UNK">
          <originalText>vergrünende Streptokokken</originalText>
        </code>
      </specimenPlayingEntity>
    </specimenRole>
  </specimen>
  <component typeCode="COMP">
    <observation classCode="OBS" moodCode="EVN">
      <templateId root="1.3.6.1.4.1.19376.1.3.1.6"/>
      <code code="6463-4" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Bacteria identified in Unspecified specimen by Culture"/>
      <text>
        <reference value="#nartext2"/>
      </text>
      <statusCode code="completed"/>
      <effectiveTime value="20180311200054+01:00"/>
      <value xsi:type="ST">
        vereinzelt
        <reference value="#nartext1"/>
      </value>
    </observation>
  </component>
</organizer>

```

Item	DT	Card	Conf	Description	Label
------	----	------	------	-------------	-------

<code>h17:organizer</code>		1 ... 1	R	Coding of a pathogen detection.	CDA- ...LREP
<code>└ @classCode</code>	CS	1 ... 1	F	CLUSTER	
<code>└ @moodCode</code>	CS	1 ... 1	F	EVN	
<code>└ h17:templateId</code>	II	1 ... 1	M		CDA- ...LREP
<code>└ @root</code>	uid	1 ... 1	F	2.16.756.5.30.1.1.10.4.85	
<code>└ h17:templateId</code>	II	1 ... 1	M		CDA- ...LREP
<code>└ @root</code>	uid	1 ... 1	F	2.16.756.5.30.1.1.10.4.17	
<code>└ h17:templateId</code>	II	1 ... 1	M		CDA- ...LREP
<code>└ @root</code>	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.3.1.5	

L <code>h17:id</code>	II	0 ... 1	R	An ID for this item MAY be filled for traceability.	CDA- ...LREP
L <code>@root</code>	uid	1 ... 1	R	MUST contain the OID of the system that issued the ID. OIDs of code systems, which are published in the public OID registry for the Swiss health care system (oid.refdata.ch) are REQUIRED. Others are NOT ALLOWED.	
L <code>@extension</code>	st	0 ... 1		Contains the ID itself. The ID MUST be unique within the system that issued the ID.	
L <code>h17:code</code>	CE	0 ... 1		<p>If the results in this isolate group are associated to a codable group, then the code SHOULD be specified. The code system is not further specified. LOINC (2.16.840.1.113883.6.1) or SNOMED CT (2.16.840.1.113883.6.96) codes or values from the HL7 vocabulary ObservationType (2.16.840.1.113883.1.11.16226) SHOULD be used.</p> <p>IF this isolate group contains any other results, then the code SHOULD be omitted.</p>	CDA- ...LREP
L <code>@code</code>	cs	1 ... 1	R	The code MUST be specified.	
L <code>@codeSystem</code>	oid	1 ... 1	R	The OID of the code system MUST be specified.	
L <code>@codeSystemName</code>	st	1 ... 1	R	The name of the code system MUST be specified for tracking purposes. However, processing is NOT ALLOWED.	
L <code>@displayName</code>	st	1 ... 1	R	The displayName of the code MUST be specified for tracking purposes. However, processing is NOT ALLOWED. Instead, a processing system is to display a user readable language translation of the code from the value set.	

<p>└ h17:statusCode</p>	<p>CS</p>	<p>1 ... 1</p>	<p>M</p>	<p>The status 'completed' means that all expected results for this isolate are present and in a final state.</p>	<p>CDA- ...LREP</p>
<p>└ @code</p>	<p>CS CONF</p>	<p>1 ... 1</p>	<p>F</p>	<p>completed The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.20309 <i>ActStatusAborted-CancelledCompleted</i> (DYNAMIC)</p>	
<p>└ h17:effectiveTime</p>	<p>IVL_TS.CH.TZ</p>	<p>1 ... 1</p>	<p>R</p>	<p>Timestamp or period of findings (physiologically relevant period) for all results in this result group.</p>	<p>CDA- ...LREP</p>
<p>└ @value</p>	<p>TS.CH.TZ</p>	<p>0 ... 1</p>		<p>Timestamp. Accuracy of the value: Date and time with hour and minute. If it is not known, nullFavor='UNK' must be used.</p>	
<p>└ h17:low</p>	<p>TS.CH.TZ</p>	<p>0 ... 1</p>		<p>Start of the period. Accuracy of the value: Date and time with hour and minute. If it is not known, nullFavor='UNK' must be used.</p>	<p>CDA- ...LREP</p>
	<p>Schematron assert</p>		<p>role  error</p> <p>test string-length(@value)>11</p> <p>Message A precision of date and time of day with at least hour and minute is required.</p>		
<p>└ h17:high</p>	<p>TS.CH.TZ</p>	<p>0 ... 1</p>		<p>End of the period. Accuracy of the value: Date and time with hour and minute. If it is not known, nullFavor='UNK' must be used.</p>	<p>CDA- ...LREP</p>

Schematron assert	role	error
	test	string-length(@value)>11
	Message	A precision of date and time of day with at least hour and minute is required.
Schematron assert	role	error
	test	@nullFlavor='UNK' or @value or (hl7:low and hl7:high)
	Message	Either the imestamp or the period of the findings MUST be declared. If it is not known, nullFavor='UNK' must be used.

IF this isolate group is based on a specimen of a non-human material, the subject element MUST be declared.
 Elements to choose from:

Choice

0 ... 1

- hl7:subject containing template 2.16.756.5.30.1.1.10.4.5 *Non-Human Subject - subject Containment* (DYNAMIC)
- hl7:subject containing template 2.16.756.5.30.1.1.10.4.6 *Human Patient with Non-Human Subject - subject Containment* (DYNAMIC)

└ h17:subject		0 ... 1		Contains 2.16.756.5.30.1.1.10.4.5 <i>Non-Human Subject - subject Containment</i> (DYNAMIC)	CDA-...LREP
where [hl7:relatedSubject]					
└ h17:subject		0 ... 1		Contains 2.16.756.5.30.1.1.10.4.6 <i>Human Patient with Non-Human Subject - subject Containment</i> (DYNAMIC)	CDA-...LREP
where [hl7:relatedSubject]					

<code>└ h17:specimen</code>		1 ... 1	R	The specific sub-specimen on which a microorganism was isolated and cultivated.	CDA- ...LREP
<code>└ @typeCode</code>	CS	1 ... 1	F	SPC	
<code>└ h17:specimenRole</code>		1 ... 1	R		CDA- ...LREP
<code>└ @classCode</code>	CS	1 ... 1	F	SPEC	
<code>└ h17:id</code>	II	1 ... 1	R	Unique identifier for this isolate, known to the laboratory.	CDA- ...LREP
<code>└ @extension</code>	st	1 ... 1	R	MUST contain the ID itself. The ID MUST be unique within the system that issued the ID.	
<code>└ @root</code>	uid	1 ... 1	R	MUST contain the OID of the system that issued the ID. OIDs of code systems, which are published in the public OID registry for the Swiss health care system (oid.refdata.ch) are REQUIRED. Others are NOT ALLOWED.	
<code>└ h17:specimenPlayingEntity</code>		1 ... 1	R		CDA- ...LREP
<code>└ @classCode</code>	CS	1 ... 1	F	MIC	




<code>└ h17:code</code>	CE	1 ... 1	R	Identification of the microorganism, in a standard vocabulary.	CDA- ...LREP
<code>└ @nullFlavor</code>	CS	0 ... 1	F	UNK If no code is known, nullFlavor='UNK' MUST be used.	
<code>└ @code</code>	CS	0 ... 1		The code MUST be specified.	
<code>└ @codeSystem</code>	oid	0 ... 1		The OID of the code system MUST be specified.	
<code>└ @codeSystemName</code>	st	0 ... 1		The name of the code system MUST be specified for tracking purposes. However, processing is NOT ALLOWED.	
<code>└ @displayName</code>	st	0 ... 1		The displayName of the code MUST be specified for tracking purposes. However, processing is NOT ALLOWED. Instead, a processing system is to display a user readable language translation of the code from the value set.	
<i>Included</i>		0 ... 1	C	from 2.16.756.5.30.1.1.10.9.49 <i>Original Text Reference</i> (DYNAMIC) The human-readable text MUST be generated automatically from the structured information of this element. The text element MUST contain the reference to the corresponding text in the human readable part, ONLY.	
<code>└ h17:originalText</code>	ED	0 ... 1	C		CDA-CH V2
<code>└ h17:reference</code>	TEL	1 ... 1	M	The reference to the corresponding text in the human readable part must be specified by reference to content[@ID]: reference[@value='#xxx']	CDA-CH V2

L @value

1 ... 1 R Reference to the narrative part of the section in the format '#xxx', where xxx is the ID of the corresponding <content></content> element.

Schematron assert	role	error
	test	starts-with(@value,'#')
	Message	The @value attribute content MUST conform to the format '#xxx', where xxx is the ID of the corresponding <content/> element.
Variable let	Name	idvalue
	Value	substring-after(@value,'#')
Schematron assert	role	error
	test	ancestor::hl7:structuredBody//*[@ID=\$idvalue]
	Message	No narrative text found for this reference (no content element within this document has an ID that corresponds to '<value-of select="\$idvalue"/>').
Schematron assert	role	error
	test	parent::*/text()=ancestor::hl7:structuredBody//*[@ID=\$idvalue]/text()
	Message	The originalText content MUST be identical to the narrative text for this reference.
Schematron assert	role	error
	test	(@code and @codeSystem) or (@nullFlavor='UNK')
	Message	Either a code with its code system or nullFlavor='UNK' is required.
Schematron assert	role	error
	test	not(@nullFlavor='UNK') or (hl7:originalText/text())
	Message	If no code is known, the name of the microorganism MUST be declared in the originalText element.

<code>└ h17:performer</code>		0 ... *	<p>This CAN be used to indicate who has performed the test. This information supersedes any information recorded at higher level. Contains 2.16.756.5.30.1.1.10.4.7 <i>Laboratory Performer - performer Containment</i> (DYNAMIC)</p>	CDA-...LREP
where [hl7:assignedEntity]				
<code>└ h17:author</code>		0 ... *	<p>This CAN be used to indicate who has documented the result. This information supersedes any information recorded at higher level. Contains 2.16.756.5.30.1.1.10.9.16 <i>Author Compilation with name, addr and telecom</i> (DYNAMIC)</p>	CDA-...LREP
where [hl7:functionCode [concat(@code, @codeSystem) = doc('include/voc-2.16.756.5.30.1.127.3.10.1.1.3-DYNAMIC.xml')/valueSet [1]/conceptList/concept/concat(@code, @codeSystem) or @nullFlavor]]				
Choice	0 ... *	<p>This CAN be used to identify other parties:</p> <ul style="list-style-type: none"> ▪ Who has verified the result (AUTHEN). ▪ Which external laboratory has delivered the result (RESP). ▪ Which device (analyzer) was used to determine the result (DEV). <p>Elements to choose from:</p> <ul style="list-style-type: none"> ▪ hl7:participant containing template 2.16.756.5.30.1.1.10.4.8 <i>Laboratory Results Validator - authenticator/participant Containment</i> (DYNAMIC) ▪ hl7:participant containing template 2.16.756.5.30.1.1.10.4.9 <i>Responsible Party - participant Containment</i> (DYNAMIC) ▪ hl7:participant containing template 2.16.756.5.30.1.1.10.4.10 <i>Device - participant Containment</i> (DYNAMIC) 		

 <code>h17:participant</code>		0 ... *		<p>Who has verified the result (AUTHEN). This information supersedes any information recorded at higher level. Contains 2.16.756.5.30.1.1.10.4.8 <i>Laboratory Results Validator - authenticator/participant Containment</i> (DYNAMIC)</p>	CDA-...LREP
where <code>[h17:participantRole]</code>					
 <code>h17:participant</code>		0 ... *		<p>Which external laboratory has delivered the result (RESP). This information supersedes any information recorded at higher level. Contains 2.16.756.5.30.1.1.10.4.9 <i>Responsible Party - participant Containment</i> (DYNAMIC)</p>	CDA-...LREP
where <code>[h17:participantRole]</code>					
 <code>h17:participant</code>		0 ... *		<p>Which device (analyzer) was used to determine the result (DEV). This information supersedes any information recorded at higher level. Contains 2.16.756.5.30.1.1.10.4.10 <i>Device - participant Containment</i> (DYNAMIC)</p>	CDA-...LREP
where <code>[h17:participantRole]</code>					
Choice	1 ... *	<p>Possible contents:</p> <ul style="list-style-type: none"> ▪ Coding of the method by means of "Laboratory Observation". The observation MUST be coded by a LOINC code having culture as method. Use the filter 'method:culture' on search.loinc.org (see https://search.loinc.org/searchLOINC/search.zul?query=method%3Aculture). ▪ Coding of an antibiogram or by means of "Laboratory Battery Organizer - Antibiogram". <p>Elements to choose from:</p> <ul style="list-style-type: none"> ▪ <code>h17:component</code> containing template 2.16.756.5.30.1.1.10.4.3 <i>Laboratory Obser-</i> 			

vation (DYNAMIC)


- hl7:component containing template 2.16.756.5.30.1.1.10.4.87 *Laboratory Battery Organizer - Antibiogram* (DYNAMIC)
- hl7:component containing template 2.16.756.5.30.1.1.10.4.11 *Specimen Collection* (DYNAMIC)
- hl7:component containing template 2.16.756.5.30.1.1.10.4.18 *Multimedia Embedded Content* (DYNAMIC)
- hl7:component containing template 2.16.756.5.30.1.1.10.4.2 *Annotation Comments* (DYNAMIC)

└─ hl7:component		0 ... *		Coding of the method. The observation MUST be coded by a LOINC code having culture as method. Use the filter 'method:culture' on search.loinc.org (see https://search.loinc.org/searchLOINC/search.zul?query=method%3Aculture) Contains 2.16.756.5.30.1.1.10.4.3 <i>Laboratory Observation</i> (DYNAMIC)	CDA-...LREP
where [hl7:observation]					
└─ @typeCode	CS	1 ... 1	F	COMP	
└─ hl7:component		0 ... *		Coding of an antibiogram. Contains 2.16.756.5.30.1.1.10.4.87 <i>Laboratory Battery Organizer - Antibiogram</i> (DYNAMIC)	CDA-...LREP
where [hl7:organizer]					
└─ @typeCode	CS	1 ... 1	F	COMP	

<code>└ h17:component</code>		<code>0 ... *</code>		Contains 2.16.756.5.30.1.1.10.4.11 <i>Specimen Collection</i> (DYNAMIC)	CDA- ...LREP
where <code>[h17:procedure]</code>					
<code>└ @typeCode</code>	CS	<code>1 ... 1</code>	F	COMP	
<code>└ h17:component</code>		<code>0 ... *</code>		Contains 2.16.756.5.30.1.1.10.4.18 <i>Multimedia Embedded Content</i> (DYNAMIC)	CDA- ...LREP
where <code>[h17:observationMedia]</code>					
<code>└ @typeCode</code>	CS	<code>1 ... 1</code>	F	COMP	
<code>└ h17:component</code>		<code>0 ... *</code>		Contains 2.16.756.5.30.1.1.10.4.2 <i>Annotation Comments</i> (DYNAMIC)	CDA- ...LREP
where <code>[h17:act]</code>					
<code>└ @typeCode</code>	CS	<code>1 ... 1</code>	F	COMP	
<code>└ h17:reference</code>		<code>0 ... *</code>		This CAN be used to make reference to an external document. Contains 2.16.756.5.30.1.1.10.4.29 <i>External document</i> (DYNAMIC)	CDA- ...LREP

where [hl7:externalDocument]				
L @typeCode	cs	1 ... 1	F	REFR

1.4.11 Laboratory Observation

Id	2.16.756.5.30.1.1.10.4.3	Effective Date	2017-06-21 Other versions this id:
Status	 Under pre-publication review	Version Label	2017
Name	chpalm_entry_LaboratoryObservation	Display Name	Laboratory Observation

Description

Laboratory reports MUST contain at least one laboratory result which is declared using this element. Each laboratory result consists of code, value and interpretation of the result.

Code

For laboratory reports in Switzerland, primarily LOINC and where necessary, additional SNOMED CT codes MUST be used. At least one laboratory result for a specimen MUST thus contain a LOINC code.

Certain microbiology pathogen detection can not be uniquely identified with LOINC (e.g., *Campylobacter coli*). Such pathogen detection must be specified in a second observation in the same Laboratory Battery Organizer with a corresponding code from another code system (e.g., SNOMED CT).

For examinations according to the Swiss analysis list (AL), a translation element CAN be specified to establish the reference to the corresponding AL position.

Further translation elements may be added to make reference to other codes, e.g. the locally used code in the laboratory.

Value













The concrete values measured MUST be specified in observation elements as follows (data types according to HL7 CDA):

- Text findings are declared as free text in the narrative portion of the corresponding section, and the text element MUST contain the corresponding reference to the narrative text. In this case, the observation MAY NOT contain the value element.
- True / False values are declared using the data type BL.
- Encoded values are declared using the data type CD.
- Numeric results are declared using data type PQ in combination with internationally standardized units (UCUM), according to the value set.
- Ratios are declared with data type RTO.

Interpretation

The interpretation code specifies AT LEAST whether it is a normal result or a result outside the normal range. Further interpretation codes CAN be used.

Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.4.3
Label	IHE PaIM TF3 Rev.8, 6.3.4.13
Classification	CDA Entry Level Template
Open/Closed	Open (other than defined elements are allowed)

Uses	Uses 12 templates			
	Uses	as	Name	Version
	2.16.756.5.30.1.1.10.9.14	Include	 Narrative Text Reference (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.5	Containment	 Non-Human Subject - subject Containment (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.6	Containment	 Human Patient with Non-Human Subject - subject Containment (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.7	Containment	 Laboratory Performer - performer Containment (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.9.16	Containment	 Author Compilation with name, addr and telecom (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.8	Containment	 Laboratory Results Validator - authenticator/participant Containment (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.9	Containment	 Responsible Party - participant Containment (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.10	Containment	 Device - participant Containment (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.11	Containment	 Specimen Collection (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.2	Containment	 Annotation Comments (2016)	DYNAMIC
	2.16.756.5.30.1.1.10.4.22	Containment	 Previous Observation (2017)	DYNAMIC
2.16.756.5.30.1.1.10.4.29	Containment	 External document (2017)	DYNAMIC	
Relationship	Specialization: template 2.16.840.1.113883.10.12.303 (2005-09-07) Specialization: template 1.3.6.1.4.1.19376.1.3.1.6 (DYNAMIC)			
Example	<p>Example</p> <pre><observation classCode="OBS" moodCode="EVN"> <templateId root="2.16.756.5.30.1.1.10.4.3"/> <templateId root="1.3.6.1.4.1.19376.1.3.1.6"/> <code code="2951-2" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Sodium [Moles/volume] in Serum or Plasma"/> </observation></pre>			

```


<translation code="1574.00" codeSystemName="Swiss analysis list (AL)" codeSystem="2.16.756.5.30.1.129.1.3" displayName="Natrium,
Blut/Plasma/Serum"/>
</code>
<text>
<reference value="#nartext1"/>
</text>
<statusCode code="completed"/>
<effectiveTime value="20180311202253"/>
<value xsi:type="PQ" value="137" unit="mmol/L"/>
<interpretationCode code="N" codeSystem="2.16.840.1.113883.5.83"/>
<referenceRange typeCode="REFV">
<observationRange classCode="OBS" moodCode="EVN.CRT">
<value xsi:type="IVL_PQ">
<low value="135" unit="mmol/L"/>
<high value="147" unit="mmol/L"/>
</value>
<interpretationCode code="N" codeSystem="2.16.840.1.113883.5.83"/>
</observationRange>
</referenceRange>
</observation>
    
```

Item	DT	Card	Conf	Description	Label
hl7:observation				Laboratory result with interpretation, related previous results, reference range, participants (persons and devices) as well as comments.	IHE PalM TF3 Rev.8, 6.3.4.13
└ @classCode	CS	1 ... 1	F	OBS	
└ @moodCode	CS	1 ... 1	F	EVN	

L h17:templateId	II	1 ... 1	M		IHE PaIM TF3 Rev.8, 6.3.4.13
L @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.3.1.6	
L h17:templateId	II	1 ... 1	M		IHE PaIM TF3 Rev.8, 6.3.4.13
L @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.4.3	
L h17:id	II	0 ... 1		An ID for this item MAY be filled for traceability.	IHE PaIM TF3 Rev.8, 6.3.4.13
L @root	uid	1 ... 1	R	MUST contain the OID of the system that issued the ID. OIDs of code systems, which are published in the public OID registry for the Swiss health care system (oid.refdata.ch) are REQUIRED. Others are NOT ALLOWED.	
L @extension	st	0 ... 1		Contains the ID itself. The ID MUST be unique within the system that issued the ID.	
L h17:code	CD	1 ... 1	R	A unique code for this result MUST be specified.	IHE PaIM TF3 Rev.8, 6.3.4.13
L @nullFlavor	st	0 ... 1	F	NAV	

└ @code	cs	0 ... 1		The code MUST be specified.
└ @codeSystem	oid	0 ... 1		The OID of the code system MUST be specified.
└ @codeSystemName	st	0 ... 1		The name of the code system MUST be specified for tracking purposes. However, processing is NOT ALLOWED.
└ @displayName	st	0 ... 1		The displayName of the code MUST be specified for tracking purposes. However, processing is NOT ALLOWED. Instead, a processing system is to display a user readable language translation of the code from the value set.
└ h17:translation	CD	0 ... *		Makes reference to the corresponding position of the Swiss analysis list (AL). Multiple references (translation elements) are allowed.
└ @code	cs	1 ... 1	R	The position number of the Swiss Analysis list MUST be declared.
└ @codeSystem	oid	1 ... 1	F	2.16.756.5.30.1.129.1.3 The OID of the Swiss analysis list (AL) MUST be specified.
└ @codeSystemName	st	1 ... 1	F	Swiss analysis list (AL) The name of the code system MUST be specified for tracking purposes. However, processing is NOT ALLOWED.
└ @displayName	st	1 ... 1	R	The displayName of the code MUST be specified for tracking purposes. It MUST correspond to one of the available languages of the Swiss analysis list (AL). However, processing is NOT ALLOWED. Instead, a processing system is to display a user readable language translation of the code from the Swiss analysis list (AL).

IHE
PaIM
TF3
Rev.8,
6.3.4.13


<p>└ h17:translation</p>	<p>CD</p>	<p>0 ... *</p>		<p>Makes reference to other codes, e.g. the locally used code in the laboratory. Multiple references (translation elements) are allowed.</p>	<p>IHE PalM TF3 Rev.8, 6.3.4.13</p>
<p>└ @code</p>	<p>cs</p>	<p>1 ... 1</p>	<p>R</p>	<p>The code MUST be specified.</p>	
<p>└ @codeSystem</p>	<p>oid</p>	<p>1 ... 1</p>	<p>R</p>	<p>The OID of the code system MUST be specified.</p>	
<p>└ @codeSystemName</p>	<p>st</p>	<p>1 ... 1</p>	<p>R</p>	<p>The name of the code system MUST be specified for tracking purposes. However, processing is NOT ALLOWED.</p>	
<p>└ @displayName</p>	<p>st</p>	<p>1 ... 1</p>	<p>R</p>	<p>The displayName of the code MUST be specified for tracking purposes. However, processing is NOT ALLOWED. Instead, a processing system is to display a user readable language translation of the code from the value set.</p>	
	<p>Schematron assert</p>			<p>role  error test (@code and @codeSystem=('2.16.840.1.113883.6.1','2.16.840.1.113883.6.96')) or (@nullFlavor='NAV') Message Either a LOINC or SNOMED CT code or nullFlavor='NAV' is required.</p>	
<p>Included</p>		<p>1 ... 1</p>		<p>from 2.16.756.5.30.1.1.10.9.14 <i>Narrative Text Reference</i> (DYNAMIC) The human-readable text MUST be generated automatically from the structured information of this element. The text element MUST contain the reference to the corresponding text in the human readable part, ONLY.</p>	
<p>└ h17:text</p>	<p>ED</p>	<p>1 ... 1</p>	<p>M</p>		<p>CDA-CH V2</p>

<p>└ h17:reference</p>	<p>TEL</p>	<p>1 ... 1</p>	<p>M</p>	<p>The reference to the corresponding text in the human readable part must be specified by reference to content[@ID]: reference[@value='#xxx']</p>	<p>CDA-CH V2</p>
<p>└ @value</p>	<p>Schematron assert</p>	<p>1 ... 1</p>	<p>R</p>	<p>Reference to the narrative part of the section in the format '#xxx', where xxx is the ID of the corresponding <content></content> element.</p> <p>role error</p> <p>test starts-with(@value,'#')</p> <p>Message The @value attribute content MUST conform to the format '#xxx', where xxx is the ID of the corresponding <content/> element.</p> <p>Variable let</p> <p>Name idvalue</p> <p>Value substring-after(@value,'#')</p> <p>Schematron assert</p> <p>role error</p> <p>test ancestor::h17:structuredBody/*[@ID=\$idvalue]</p> <p>Message No narrative text found for this reference (no content element within this document has an ID that corresponds to '<value-of select="\$idvalue"/>').</p>	
<p>└ h17:statusCode</p>	<p>CS</p>	<p>1 ... 1</p>	<p>M</p>	<p>The status 'completed' means that the result is final.</p> <p>The status 'aborted' means that the examination could not be performed.</p>	<p>IHE PaIM TF3 Rev.8, 6.3.4.13</p>
	<p>CONF</p>			<p>The value of @code shall be drawn from value set 1.3.6.1.4.1.19376.1.3.11.2 ActStatusAbortedCompleted (DYNAMIC)</p>	

<p>↳ h17:effectiveTime</p>	<p>IVL_TS.CH.TZ</p>	<p>0 ... 1</p>	<p>C</p>	<p>Timestamp of the finding (physiologically relevant time of this observation). Accuracy of the value: Date and time with hour and minute</p> <p>This information is ALLOWED for results within an isolate group, ONLY. For all other results, the time specified in the Laboratory Battery Organizer is to be used.</p>	<p>IHE PaIM TF3 Rev.8, 6.3.4.13</p>
<p>Schematron assert</p>		<p>role</p>	<p>error</p>		
<p>Schematron assert</p>		<p>test</p>	<p>string-length(@value)>11</p>		
<p>Schematron assert</p>		<p>Message</p>	<p>A precision of date and time of day with at least hour and minute is required.</p>		
<p>Schematron assert</p>		<p>role</p>	<p>error</p>		
<p>Schematron assert</p>		<p>test</p>	<p>ancestor::*[h17:templateId/@root='1.3.6.1.4.1.19376.1.3.1.5']</p>		
<p>Schematron assert</p>		<p>Message</p>	<p>The effectiveTime information is ALLOWED for results within an isolate group, ONLY. For all other results, the time specified in the Laboratory Battery Organizer is to be used.</p>		
<p>Choice</p>			<p>0 ... *</p>	<p>The result of the examination MUST be specified for all elements with status 'completed'. One of the following data types MUST be used. For elements with status 'aborted', the result of the test is NOT ALLOWED.</p> <p>In the case of microbiological or infection-serological detection of pathogens, NO value element is PERMITTED. Instead, declare using the interpretationCode whether the pathogen was detected in the sample (POS) or not (NEG).</p> <p>Elements to choose from:</p>	


- hl7:value
- hl7:value
- hl7:value
- hl7:value
- hl7:value

└ hl7:value	BL	0 ... 1		True / False or Yes / No Result. If the observation value can not be determined, @value is NOT ALLOWED. Instead, @nullFlavor='NA' MUST be used in combination with interpretationCode that declares whether the result is below (Low of scale) or above (High of scale) of the reference range.	IHE PaIM TF3 Rev.8, 6.3.4.13
└ @xsi:type		1 ... 1	F	BL	
└ @nullFlavor	CS	0 ... 1	F	NA	
└ @value	bl	0 ... 1		Observation value could not be determined. true or false.	
Example		<code><value xsi:type="BL" value="false"/></code>			
Schematron assert	role	● error			
	test	@value or (@nullFlavor='NA' and parent::*/hl7:interpretationCode[@code=('>','<')])			
	Message	If the observation value can not be determined, @value is NOT ALLOWED. Instead, @nullFlavor='NA' MUST be used in combination with interpretationCode that declares whether the result is below (Low of scale) or above (High of scale) of the reference range..			

└ h17:value	CD	0 ... 1		Coded result. If the observation value can not be determined, @code, @codeSystem, @codeSystemName and @displayName are NOT ALLOWED. Instead, @nullFlavor='NA' MUST be used in combination with interpretationCode that declares whether the result is below (Low of scale) or above (High of scale) of the reference range.	IHE PaIM TF3 Rev.8, 6.3.4.13
└ @xsi:type		1 ... 1	F	CD	
└ @nullFlavor	CS	0 ... 1	F	NA	
				Observation value could not be determined.	
└ @code	CS	0 ... 1		The code MUST be specified.	
└ @codeSystem	oid	0 ... 1		The OID of the code system MUST be specified.	
└ @codeSystemName	st	0 ... 1		The name of the code system MUST be specified for tracking purposes. However, processing is NOT ALLOWED.	
└ @displayName	st	0 ... 1		The displayName of the code MUST be specified for tracking purposes. However, processing is NOT ALLOWED. Instead, a processing system is to display a user readable language translation of the code from the value set.	
Example	<code><value xsi:type="CD" code="N" codeSystem="2.16.756.5.30.2.1.1.3.1"/></code>				
Schematron assert	role	 error			
	test	(@code and @codeSystem and @codeSystemName and @displayName) or (@nullFlavor='NA' and parent::*/h17:interpretationCode[@code=('>','<')])			
	Message	If the observation value can not be determined, @code, @codeSystem, @codeSystemName and @displayName are NOT ALLOWED. Instead, @nullFlavor='NA' MUST be used in combination with interpretationCode that declares whether the result is below (Low of scale) or above (High of scale) of the reference range.			

└ h17:value	ED	0 ... 1		Text result.	IHE PaIM TF3 Rev.8, 6.3.4.13	
└ @xsi:type		1 ... 1	F	ED		
	Example	<pre><value xsi:type="ED"> <reference value="#11"/> </value></pre>				
└ h17:reference	TEL	1 ... 1	M	The reference to the corresponding text in the human readable part must be specified by reference to content[@ID]: reference [@value = '#xxx']	IHE PaIM TF3 Rev.8, 6.3.4.13	
└ @value		1 ... 1	R	Reference to the narrative part of the section in the format '#xxx', where xxx is the ID of the corresponding <content> Element.</content>		
└ h17:value	PQ	0 ... 1		Numeric result with unit. If the observation value can not be determined, @value and @unit are NOT ALLOWED. Instead, @nullFlavor='NA' MUST be used in combination with interpretationCode that declares whether the result is below (Low of scale) or above (High of scale) of the reference range.	IHE PaIM TF3 Rev.8, 6.3.4.13	
└ @xsi:type		1 ... 1	F	PQ		
└ @nullFlavor	CS	0 ... 1	F	NA		
				Observation value could not be determined.		
└ @unit	CS	0 ... 1		Valid UCUM unit.		
└ @value	real	0 ... 1		Numeric observation result		

	Example	<code><value xsi:type="PQ" value="6.4" unit="mg/dL"/></code>			
	Schematron assert	role	● error		
		test	(@unit and @value) or (@nullFlavor='NA' and parent::* /hl7:interpretationCode[@code=('>','<')])		
		Message	If the observation value can not be determined, @value and @unit are NOT ALLOWED. Instead, @nullFlavor='NA' MUST be used in combination with interpretationCode that declares whether the result is below (Low of scale) or above (High of scale) of the reference range.		
└─ h17:value	RTO	0 ... 1		Ratio results. If the observation value can not be determined, numerator and denominator are NOT ALLOWED. Instead, @nullFlavor='NA' MUST be used in combination with interpretationCode that declares whether the result is below (Low of scale) or above (High of scale) of the reference range.	IHE PaIM TF3 Rev.8, 6.3.4.13
└─ @xsi:type		1 ... 1	F	RTO	
└─ @nullFlavor	CS	0 ... 1	F	NA	
				Observation value could not be determined.	
	Example	Titer <code><value xsi:type="RTO"></code> <code><numerator xsi:type="INT" value="1"/></code> <code><denominator xsi:type="INT" value="64"/></code> <code></value></code>			
└─ h17:numerator	QTY	0 ... 1			IHE PaIM TF3 Rev.8, 6.3.4.13
└─ @value		1 ... 1	R	Numerator of the ratio.	

<p>└ h17:denominator</p>	<p>QTY</p>	<p>0 ... 1</p>			<p>IHE PaIM TF3 Rev.8, 6.3.4.13</p>
<p>└ @value</p>	<p>Schematron assert</p>	<p>1 ... 1</p>	<p>R</p>	<p>Denominator of the ratio.</p> <p>role  error</p> <p>test (hl7:numerator[@value] and hl7:denominator[@value]) or (@nullFlavor='NA' and parent::*hl7:interpretationCode[@code=('>','<')])</p> <p>Message If the observation value can not be determined, numerator and denominator are NOT ALLOWED. Instead, @nullFlavor='NA' MUST be used in combination with interpretationCode that declares whether the result is below (Low of scale) or above (High of scale) of the reference range.</p>	
<p>└ h17:interpretationCode</p>	<p>CE</p>	<p>0 ... 1</p>		<p>At least one interpretation of the result MUST be declared. For this purpose, a code from the HL7 Observation Interpretation vocabulary MUST be used.</p> <p>Examples of normal results:</p> <ul style="list-style-type: none"> ▪ N: Normal <p>Examples of pathogen detection:</p> <ul style="list-style-type: none"> ▪ POS: pathogen found in the specimen ▪ NEG: pathogen not found in the specimen (No evidence or no growth). Note: Negative does not necessarily imply the complete absence of the specified item. 	<p>IHE PaIM TF3 Rev.8, 6.3.4.13</p>

				<p>Examples abnormal results with numeric values:</p> <ul style="list-style-type: none"> ▪ H: High - Above reference range ▪ HH: High alert - Above reference range (critical value) ▪ L: Low - Below reference range ▪ LL: Low alert - Below reference range (critical value) <p>Examples of non-determinable results:</p> <ul style="list-style-type: none"> ▪ >: High off scale - Above analytical limit ▪ <: Low off scale - Below analytical limit <p>Examples of antimicrobial susceptibility tests in microbiology:</p> <ul style="list-style-type: none"> ▪ S: susceptible ▪ R: resistant ▪ I: intermediate ▪ SDD: Susceptible-dose dependent
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CONF

The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.78 *ObservationInterpretation* (DYNAMIC)

IF this result is based on a specimen of a non-human material, this MUST be declared with the subject element.

Elements to choose from:

- hl7:subject containing template 2.16.756.5.30.1.1.10.4.5 *Non-Human Subject - subject Containment* (DYNAMIC)
- hl7:subject containing template 2.16.756.5.30.1.1.10.4.6 *Human Patient with Non-Human Subject - subject Containment* (DYNAMIC)

Choice

0 ... 1

<code>└ h17:subject</code>		0 ... 1		Contains 2.16.756.5.30.1.1.10.4.5 <i>Non-Human Subject - subject Containment</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.13
where <i>[hl7:relatedSubject]</i>					
<code>└ h17:subject</code>		0 ... 1		Contains 2.16.756.5.30.1.1.10.4.6 <i>Human Patient with Non-Human Subject - subject Containment</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.13
where <i>[hl7:relatedSubject]</i>					
<code>└ h17:performer</code>		0 ... *		This CAN be used to indicate who has performed the test. This information supersedes any information recorded at higher level. Contains 2.16.756.5.30.1.1.10.4.7 <i>Laboratory Performer - performer Containment</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.13
where <i>[hl7:assignedEntity]</i>					
<code>└ h17:author</code>		0 ... *		This MAY be used to indicate who has documented the result. This information supersedes any information recorded at higher level. Contains 2.16.756.5.30.1.1.10.9.16 <i>Author Compilation with name, addr and telecom</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.13
where <i>[hl7:functionCode [concat(@code, @codeSystem) = doc('include/voc-2.16.756.5.30.1.127.3.10.1.1.3-DYNAMIC.xml')/valueSet [1]/conceptList/concept/concat(@code, @codeSystem) or @nullFlavor]]</i>					
<i>Choice</i>		0 ... *		This CAN be used to identify other parties: <ul style="list-style-type: none"> Who has verified the result (AUTHEN). 	

- Which external laboratory has delivered the result (RESP).
- Which device (analyzer) was used to determine the result (DEV).

Elements to choose from:



- hl7:participant containing template 2.16.756.5.30.1.1.10.4.8 *Laboratory Results Validator - authenticator/participant Containment* (DYNAMIC)
- hl7:participant containing template 2.16.756.5.30.1.1.10.4.9 *Responsible Party - participant Containment* (DYNAMIC)
- hl7:participant containing template 2.16.756.5.30.1.1.10.4.10 *Device - participant Containment* (DYNAMIC)


<p>└ hl7:participant</p>		<p>0 ... *</p>	<p>Who has verified the result (AUTHEN). This information supersedes any information recorded at higher level. Contains 2.16.756.5.30.1.1.10.4.8 <i>Laboratory Results Validator - authenticator/participant Containment</i> (DYNAMIC)</p>	<p>IHE PaIM TF3 Rev.8, 6.3.4.13</p>
<p>where [hl7:participantRole]</p>				
<p>└ hl7:participant</p>		<p>0 ... *</p>	<p>Which external laboratory has delivered the result (RESP). This information supersedes any information recorded at higher level. Contains 2.16.756.5.30.1.1.10.4.9 <i>Responsible Party - participant Containment</i> (DYNAMIC)</p>	<p>IHE PaIM TF3 Rev.8, 6.3.4.13</p>
<p>where [hl7:participantRole]</p>				
<p>└ hl7:participant</p>		<p>0 ... *</p>	<p>Which device (analyzer) was used to determine the result (DEV). This information supersedes any information recorded at higher level. Contains 2.16.756.5.30.1.1.10.4.10 <i>Device - participant Containment</i> (DYNAMIC)</p>	<p>IHE PaIM TF3 Rev.8, 6.3.4.13</p>

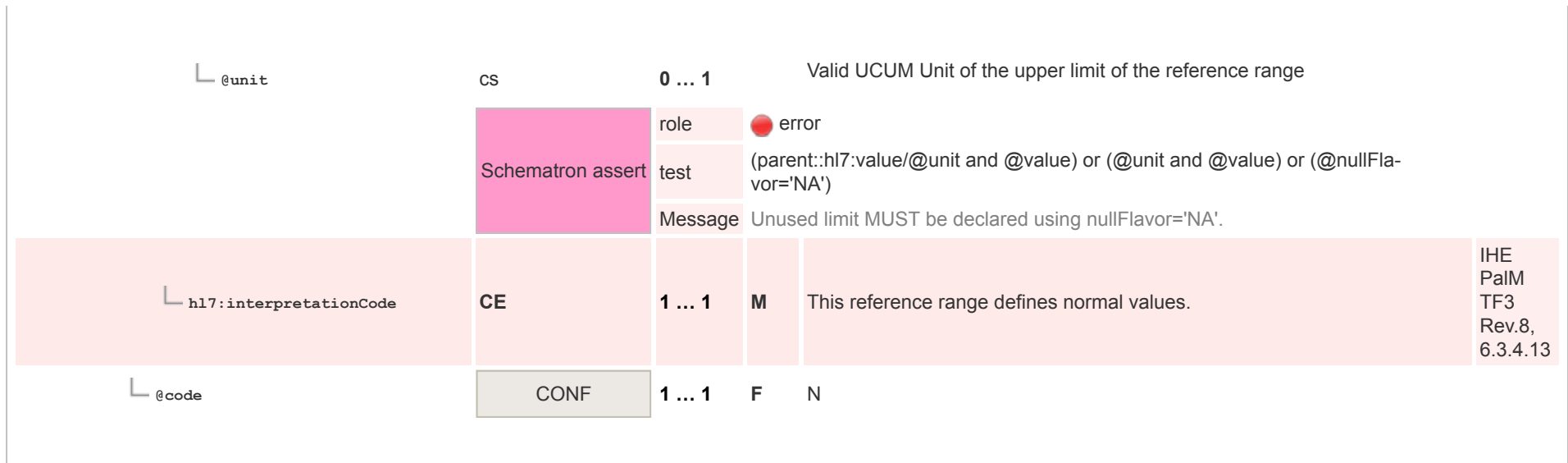
where [hl7:participantRole]						
└ h17:entryRelationship			0 ... *		Information on specimen collection for this Observation. This information supersedes any information recorded at higher level. Contains 2.16.756.5.30.1.1.10.4.11 <i>Specimen Collection</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.13
where [hl7:procedure]						
└ @typeCode	CS		1 ... 1	F	COMP	
└ h17:entryRelationship			0 ... *		Comment on this Observation. Contains 2.16.756.5.30.1.1.10.4.2 <i>Annotation Comments</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.13
where [hl7:act]						
└ @typeCode	CS		1 ... 1	F	SUBJ	
└ @inversionInd	bl		1 ... 1	F	true	
└ h17:entryRelationship			0 ... *		This CAN be used to indicate previous observation for the same test code on a previous specimen. Contains 2.16.756.5.30.1.1.10.4.22 <i>Previous Observation</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.13
where [hl7:observation]						
└ @typeCode	CS		1 ... 1	F	REFR	

<code>└ h17:sequenceNumber</code>	INT	0 ... 1		In case there is more than one previous result, the entryRelationship elements are sorted in reverse chronological order, and numbered from 1 to n by sequenceNumber.	IHE PaIM TF3 Rev.8, 6.3.4.13
<code>└ @value</code>	int	0 ... 1		Contains the sequence number.	
<code>└ h17:reference</code>		0 ... *		This CAN be used to make reference to an external document. Contains 2.16.756.5.30.1.1.10.4.29 <i>External document</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.13
where [h17:externalDocument]					
<code>└ @typeCode</code>	CS	1 ... 1	F	REFR	
<code>└ h17:referenceRange</code>		0 ... 1		The reference range SHALL be specified for the range of normal values for the data types PQ and INT. The following applies: <ul style="list-style-type: none"> ▪ Upper limit: [R] ▪ Lower limit: [R] ▪ interpretationCode containing code=N: [M] The reference range CAN be omitted for other data types. If only an upper or lower limit is meaningful, the unused limit MUST be declared using nullFlavor.	IHE PaIM TF3 Rev.8, 6.3.4.13
<code>└ @typeCode</code>	CS	1 ... 1	F	REFV	

└ h17:observationRange		1 ... 1	M		IHE PaIM TF3 Rev.8, 6.3.4.13
└ @classCode	CS	1 ... 1	F	OBS	
└ @moodCode	CS	1 ... 1	F	EVN.CRT	
<i>Choice</i>		0 ... 1		Elements to choose from: <ul style="list-style-type: none"> ▪ h17:value[@xsi:type='IVL_PQ'] ▪ h17:value[@xsi:type='IVL_INT'] 	
└ h17:value	IVL_PQ	0 ... 1	R	Reference range for PQ data types	IHE PaIM TF3 Rev.8, 6.3.4.13
where [xsi:type='IVL_PQ']					
└ @xsi:type		1 ... 1	F	IVL_PQ	
└ h17:low	IVXB_PQ	1 ... 1		Lower limit of the reference range	IHE PaIM TF3 Rev.8, 6.3.4.13
└ @nullFlavor	CS	0 ... 1	F	NA	
Unused limit MUST be declared using nullFlavor.					

└ @value	real	0 ... 1		Lower limit value of the reference range	
└ @unit	cs	0 ... 1		Valid UCUM Unit of the lower limit of the reference range	
			role	 error	
	Schematron assert		test	(parent::hl7:value/@unit and @value) or (@unit and @value) or (@nullFlavor='NA')	
			Message	Unused limit MUST be declared using nullFlavor='NA'.	
└ hl7:high	IVXB_PQ	1 ... 1		Upper limit of the reference range	IHE PaIM TF3 Rev.8, 6.3.4.13
└ @nullFlavor	cs	0 ... 1	F	NA Unused limit MUST be declared using nullFlavor.	
└ @value	real	0 ... 1		Upper limit value of the reference range	
└ @unit	cs	0 ... 1		Valid UCUM Unit of the upper limit of the reference range	
			role	 error	
	Schematron assert		test	(parent::hl7:value/@unit and @value) or (@unit and @value) or (@nullFlavor='NA')	
			Message	Unused limit MUST be declared using nullFlavor='NA'.	
└ hl7:value	IVL_INT	0 ... 1	R	Reference range for INT data types	IHE PaIM TF3 Rev.8, 6.3.4.13

where <i>[@xsi:type='IVL_INT']</i>					
<i>└</i> <i>@xsi:type</i>		1 ... 1	F	IVL_INT	
<i>└</i> <i>h17:low</i>	IVXB_INT	1 ... 1		Lower limit of the reference range	IHE PaIM TF3 Rev.8, 6.3.4.13
<i>└</i> <i>@nullFlavor</i>	CS	0 ... 1	F	NA Unused limit MUST be declared using nullFlavor.	
<i>└</i> <i>@value</i>	int	0 ... 1		Lower limit value of the reference range	
<i>└</i> <i>@unit</i>	CS	0 ... 1		Valid UCUM Unit of the lower limit of the reference range	
	Schematron assert	role		error	
		test		(parent::h17:value/@unit and @value) or (@unit and @value) or (@nullFlavor='NA')	
		Message		Unused limit MUST be declared using nullFlavor='NA'.	
<i>└</i> <i>h17:high</i>	IVXB_INT	1 ... 1		Upper limit of the reference range	IHE PaIM TF3 Rev.8, 6.3.4.13
<i>└</i> <i>@nullFlavor</i>	CS	0 ... 1	F	NA Unused limit MUST be declared using nullFlavor.	
<i>└</i> <i>@value</i>	int	0 ... 1		Upper limit value of the reference range	



1.4.12 Laboratory Performer - performer Containment

Id	2.16.756.5.30.1.1.10.4.7	Effective Date	2017-06-21 Other versions this id:
Status	● Under pre-publication review	Version Label	2017
Name	chpalm_entry_LaboratoryPerformer	Display Name	Laboratory Performer - performer Containment

Description

This CAN be used to indicate another executing laboratory in the CDA body. When executing laboratories are specified, the following applies:

- If all tests have been performed by the same laboratory, this element MUST be specified in the header using the Laboratory Performer (documentationOf).
- If multiple laboratories have provided results for this document, they must be specified in the body using this element (at entry, organizer or observation level, depending on the extent of the results delivered by the appropriate laboratory).
- All persons and organizations, MUST according to XD-LAB contain name, addr and telecom.

Context	Sibling nodes of template element with id 2.16.756.5.30.1.1.10.4.7		
Label	IHE PaIM TF3 Rev.8, 6.3.2.20		
Classification	CDA Entry Level Template		
Open/Closed	Open (other than defined elements are allowed)		
Uses	Uses 1 template		
	Uses	as	Name
	2.16.756.5.30.1.1.10.9.17	Containment	Assigned Entity Compilation with name, addr and telecom (2017)
			DYNAMIC
Relationship	Specialization: template 2.16.840.1.113883.10.12.320 (2005-09-07) Specialization: template 1.3.6.1.4.1.19376.1.3.3.1.7 (DYNAMIC)		
Example	Example		
	<pre><performer typeCode="PRF"> <templateId root="2.16.756.5.30.1.1.10.4.7"/> <templateId root="1.3.6.1.4.1.19376.1.3.3.1.7"/> <time> <low value="20180320142600"/> </time></pre>		


```



















<assignedEntity>
  <!-- template 2.16.756.5.30.1.1.10.9.17 'Assigned Entity Compilation with name, addr and telecom'-->
</assignedEntity>
</performer>
    
```

Item	DT	Card	Conf	Description	Label
@typeCode	CS	1 ... 1	F	PRF	
h17:templateId	II	1 ... 1	M		IHE PaIM TF3 Rev.8, 6.3.2.20
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.4.7	
h17:templateId	II	1 ... 1	M		IHE PaIM TF3 Rev.8, 6.3.2.20
└ @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.3.3.1.7	
h17:time	TS.CH.TZ	1 ... 1	R	Timestamp of the last delivery of this laboratory to the document.	IHE PaIM TF3 Rev.8, 6.3.2.20

<p>hl7:assignedEntity</p>		<p>1 ... 1 R</p>	<p>All persons and organizations, MUST according to XD-LAB contain name, addr and telecom. Contains 2.16.756.5.30.1.1.10.9.17 <i>Assigned Entity Compilation with name, addr and telecom</i> (DYNAMIC)</p>	<p>IHE PaIM TF3 Rev.8, 6.3.2.20</p>
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1.4.13 Laboratory Report Data Processing Entry

<p>Id</p>	<p>2.16.756.5.30.1.1.10.4.4</p>	<p>Effective Date</p>	<p>2018-07-14 12:26:38 Other versions this id: <ul style="list-style-type: none"> chpalm_entry_LaboratoryReportDataProcessingEntry as of 2017-06-21 </p>
<p>Status</p>	<p> Draft</p>	<p>Version Label</p>	<p>2017</p>
<p>Name</p>	<p>chpalm_entry_LaboratoryReportDataProcessingEntry</p>	<p>Display Name</p>	<p>Laboratory Report Data Processing Entry</p>
<p>Description</p>	<p>Each chapter (Laboratory Speciality Section and Laboratory Report Item Section) MUST contain exactly one findings group (CDA Body Laboratory Report Data Processing Entry).</p>		
<p>Context</p>	<p>Sibling nodes of template element with id 2.16.756.5.30.1.1.10.4.4</p>		
<p>Label</p>	<p>IHE PaIM TF3 Rev.8, 6.3.4.2</p>		
<p>Classification</p>	<p>CDA Entry Level Template</p>		
<p>Open/Closed</p>	<p>Open (other than defined elements are allowed)</p>		
<p>Uses</p>	<p>Uses 18 templates</p>		

Uses	as	Name	Version
2.16.756.5.30.1.1.10.4.5	Containment	 Non-Human Subject - subject Containment (2017)	DYNAMIC
2.16.756.5.30.1.1.10.4.6	Containment	 Human Patient with Non-Human Subject - subject Containment (2017)	DYNAMIC
2.16.756.5.30.1.1.10.4.7	Containment	 Laboratory Performer - performer Containment (2017)	DYNAMIC
2.16.756.5.30.1.1.10.9.16	Containment	 Author Compilation with name, addr and telecom (2017)	DYNAMIC
2.16.756.5.30.1.1.10.4.8	Containment	 Laboratory Results Validator - authenticator/participant Containment (2017)	DYNAMIC
2.16.756.5.30.1.1.10.4.9	Containment	 Responsible Party - participant Containment (2017)	DYNAMIC
2.16.756.5.30.1.1.10.4.10	Containment	 Device - participant Containment (2017)	DYNAMIC
2.16.756.5.30.1.1.10.4.11	Containment	 Specimen Collection (2017)	DYNAMIC
2.16.756.5.30.1.1.10.4.12	Containment	 Specimen Received (2017)	DYNAMIC
2.16.756.5.30.1.1.10.4.13	Containment	 Notification Organizer (2017)	DYNAMIC
2.16.756.5.30.1.1.10.4.14	Containment	 Notifiable Condition (2017)	DYNAMIC
2.16.756.5.30.1.1.10.4.15	Containment	 Case Identification (2017)	DYNAMIC
2.16.756.5.30.1.1.10.4.16	Containment	 Outbreak Identification (2017)	DYNAMIC
2.16.756.5.30.1.1.10.4.17	Containment	 Laboratory Isolate Organizer (2017)	DYNAMIC
2.16.756.5.30.1.1.10.4.19	Containment	 Laboratory Battery Organizer (2017)	DYNAMIC
2.16.756.5.30.1.1.10.4.18	Containment	 Multimedia Embedded Content (2017)	DYNAMIC
2.16.756.5.30.1.1.10.4.2	Containment	 Annotation Comments (2016)	DYNAMIC
2.16.756.5.30.1.1.10.4.29	Containment	 External document (2017)	DYNAMIC

Relationship

Specialization: template 2.16.840.1.113883.10.12.301 (2005-09-07)
Specialization: template 1.3.6.1.4.1.19376.1.3.1 (DYNAMIC)

Example	Example
	<pre> <templateId root="2.16.756.5.30.1.1.10.4.4"/> <templateId root="1.3.6.1.4.1.19376.1.3.1"/> <act classCode="ACT" moodCode="EVN"> <code code="18723-7" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="HEMATOLOGY STUDIES"/> <statusCode code="completed"/> <!-- One of these templates: 2.16.756.5.30.1.1.10.4.15 - Case Identification 2.16.756.5.30.1.1.10.4.19 - Laboratory Battery Organizer 2.16.756.5.30.1.1.10.4.17 - Laboratory Isolate Organizer 2.16.756.5.30.1.1.10.4.18 - Multimedia Embedded Content 2.16.756.5.30.1.1.10.4.14 - Notifiable Condition 2.16.756.5.30.1.1.10.4.13 - Notification Organizer 2.16.756.5.30.1.1.10.4.16 - Outbreak Identification 2.16.756.5.30.1.1.10.4.11 - Specimen Collection 2.16.756.5.30.1.1.10.4.12 - Specimen Received --> </act> </pre>

Item	DT	Card	Conf	Description	Label
h17:templateId	II	1 ... 1	M		IHE PaIM TF3 Rev.8, 6.3.4.2
└ @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.3.1	
h17:templateId	II	1 ... 1	M		IHE PaIM TF3 Rev.8, 6.3.4.2

└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.4.4	
└ h17:act					IHE PaM TF3 Rev.8, 6.3.4.2
└ @classCode	CS	1 ... 1	F	ACT	
└ @moodCode	CS	1 ... 1	F	EVN	
└ h17:id	II	0 ... 1		An ID for this item MAY be filled for traceability.	IHE PaM TF3 Rev.8, 6.3.4.2
└ @root	uid	1 ... 1	R	MUST contain the OID of the system that issued the ID. OIDs of code systems, which are published in the public OID registry for the Swiss health care system (oid.refdata.ch) are REQUIRED. Others are NOT ALLOWED.	
└ @extension	st	0 ... 1		Contains the ID itself. The ID MUST be unique within the system that issued the ID.	
└ h17:code	CD	1 ... 1	M	The same code as in the chapter (Laboratory Speciality Section Code or Laboratory Report Item Section Code) MUST be used. Both codes MUST be the identical.	IHE PaM TF3 Rev.8, 6.3.4.2
└ @code	st	1 ... 1	R		
└ @codeSystem	oid	1 ... 1	R		
└ @codeSystemName	st	1 ... 1	R		

L @displayName	st	1 ... 1	R		IHE PaIM TF3 Rev.8, 6.3.4.2
L h17:text	ED		NP	In the Laboratory Report Data Processing Entry, the text element is NOT PERMITTED for laboratory findings in Switzerland.	
L h17:statusCode	CS	1 ... 1	M	<p>The status 'completed' means that all expected results for this findings group are present and in a final state.</p> <p>The status 'active' means that the examinations are still running. Some results are still pending.</p> <p>The status 'aborted' means that the examinations had to be aborted. Some results MAY be available.</p>	IHE PaIM TF3 Rev.8, 6.3.4.2
CONF	The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.20309 <i>ActStatusAborted-CancelledCompleted</i> (DYNAMIC)			<p>IF this findings group is based on a specimen of a non-human material, this MUST be declared with the subject element. Elements to choose from:</p> <ul style="list-style-type: none"> ▪ h17:subject containing template 2.16.756.5.30.1.1.10.4.5 <i>Non-Human Subject - subject Containment</i> (DYNAMIC) ▪ h17:subject containing template 2.16.756.5.30.1.1.10.4.6 <i>Human Patient with Non-Human Subject - subject Containment</i> (DYNAMIC) 	
Choice	0 ... 1				

<code>└ h17:subject</code>		0 ... 1		Contains 2.16.756.5.30.1.1.10.4.5 <i>Non-Human Subject - subject Containment</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.2
where <i>[hl7:relatedSubject]</i>					
<code>└ h17:subject</code>		0 ... 1		Contains 2.16.756.5.30.1.1.10.4.6 <i>Human Patient with Non-Human Subject - subject Containment</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.2
where <i>[hl7:relatedSubject]</i>					
<code>└ h17:performer</code>		0 ... *		This CAN be used to indicate who has performed the test. This information supersedes any information recorded at higher level. Contains 2.16.756.5.30.1.1.10.4.7 <i>Laboratory Performer - performer Containment</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.2
where <i>[hl7:assignedEntity]</i>					
<code>└ h17:author</code>		0 ... *		This CAN be used to indicate who has documented the result. This information supersedes any information recorded at higher level. Contains 2.16.756.5.30.1.1.10.9.16 <i>Author Compilation with name, addr and telecom</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.2
where <i>[hl7:functionCode [concat(@code, @codeSystem) = doc('include/voc-2.16.756.5.30.1.127.3.10.1.1.3-DYNAMIC.xml')/valueSet [1]/conceptList/concept/concat(@code, @codeSystem) or @nullFlavor]]</i>					
<i>Choice</i>		0 ... *		This CAN be used to identify other parties: <ul style="list-style-type: none"> Who has verified the result (AUTHEN). 	

- Which external laboratory has delivered the result (RESP).
- Which device (analyzer) was used to determine the result (DEV).

Elements to choose from:

- hl7:participant containing template 2.16.756.5.30.1.1.10.4.8 *Laboratory Results Validator - authenticator/participant Containment* (DYNAMIC)
- hl7:participant containing template 2.16.756.5.30.1.1.10.4.9 *Responsible Party - participant Containment* (DYNAMIC)
- hl7:participant containing template 2.16.756.5.30.1.1.10.4.10 *Device - participant Containment* (DYNAMIC)

<p>└ hl7:participant</p>		<p>0 ... *</p>	<p>Who has verified the result (AUTHEN). This information supersedes any information recorded at higher level. Contains 2.16.756.5.30.1.1.10.4.8 <i>Laboratory Results Validator - authenticator/participant Containment</i> (DYNAMIC)</p>	<p>IHE PaIM TF3 Rev.8, 6.3.4.2</p>
<p>where [hl7:participantRole]</p>				
<p>└ hl7:participant</p>		<p>0 ... *</p>	<p>Which external laboratory has delivered the result (RESP). This information supersedes any information recorded at higher level. Contains 2.16.756.5.30.1.1.10.4.9 <i>Responsible Party - participant Containment</i> (DYNAMIC)</p>	<p>IHE PaIM TF3 Rev.8, 6.3.4.2</p>
<p>where [hl7:participantRole]</p>				
<p>└ hl7:participant</p>		<p>0 ... *</p>	<p>Which device (analyzer) was used to determine the result (DEV). This information supersedes any information recorded at higher level. Contains 2.16.756.5.30.1.1.10.4.10 <i>Device - participant Containment</i> (DYNAMIC)</p>	<p>IHE PaIM TF3 Rev.8, 6.3.4.2</p>

where [hl7:participantRole]

A findings group may contain the following elements.

Note: The usage of Laboratory Observations, permitted by XD-LAB is NOT ALLOWED for this specification. Such Laboratory Observations MUST be placed in a Laboratory Battery Organizer.

Elements to choose from:

- hl7:entryRelationship containing template 2.16.756.5.30.1.1.10.4.11 *Specimen Collection* (DYNAMIC)
- hl7:entryRelationship containing template 2.16.756.5.30.1.1.10.4.12 *Specimen Received* (DYNAMIC)
- hl7:entryRelationship containing template 2.16.756.5.30.1.1.10.4.13 *Notification Organizer* (DYNAMIC)
- hl7:entryRelationship containing template 2.16.756.5.30.1.1.10.4.14 *Notifiable Condition* (DYNAMIC)
- hl7:entryRelationship containing template 2.16.756.5.30.1.1.10.4.15 *Case Identification* (DYNAMIC)
- hl7:entryRelationship containing template 2.16.756.5.30.1.1.10.4.16 *Outbreak Identification* (DYNAMIC)
- hl7:entryRelationship containing template 2.16.756.5.30.1.1.10.4.17 *Laboratory Isolate Organizer* (DYNAMIC)
- hl7:entryRelationship containing template 2.16.756.5.30.1.1.10.4.19 *Laboratory Battery Organizer* (DYNAMIC)
- hl7:entryRelationship containing template 2.16.756.5.30.1.1.10.4.18 *Multimedia Embedded Content* (DYNAMIC)

Choice


1 ... *

- hl7:entryRelationship containing template 2.16.756.5.30.1.1.10.4.2 *Annotation Comments* (DYNAMIC)


└ hl7:entryRelationship		0 ... *		Contains 2.16.756.5.30.1.1.10.4.11 <i>Specimen Collection</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.2
where [hl7:procedure]					
└ @typeCode	CS	1 ... 1	F	COMP	
└ hl7:entryRelationship		0 ... *		Contains 2.16.756.5.30.1.1.10.4.12 <i>Specimen Received</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.2
where [hl7:act]					
└ @typeCode	CS	1 ... 1	F	COMP	
└ hl7:entryRelationship		0 ... *		Contains 2.16.756.5.30.1.1.10.4.13 <i>Notification Organizer</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.2
where [hl7:organizer]					
└ @typeCode	CS	1 ... 1	F	COMP	

L h17:entryRelationship		0 ... *		Contains 2.16.756.5.30.1.1.10.4.14 <i>Notifiable Condition</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.2
where [hl7:observation]					
L @typeCode	CS	1 ... 1	F	COMP	
L h17:entryRelationship		0 ... *		Contains 2.16.756.5.30.1.1.10.4.15 <i>Case Identification</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.2
where [hl7:observation]					
L @typeCode	CS	1 ... 1	F	COMP	
L h17:entryRelationship		0 ... *		Contains 2.16.756.5.30.1.1.10.4.16 <i>Outbreak Identification</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.2
where [hl7:observation]					
L @typeCode	CS	1 ... 1	F	COMP	
L h17:entryRelationship		0 ... *		Contains 2.16.756.5.30.1.1.10.4.17 <i>Laboratory Isolate Organizer</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.2

where [hl7:organizer]					
└ @typeCode	CS	1 ... 1	F	COMP	
└ hl7:entryRelationship		0 ... *		Contains 2.16.756.5.30.1.1.10.4.19 <i>Laboratory Battery Organizer</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.2
where [hl7:organizer]					
└ @typeCode	CS	1 ... 1	F	COMP	
└ hl7:entryRelationship		0 ... *		Contains 2.16.756.5.30.1.1.10.4.18 <i>Multimedia Embedded Content</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.2
where [hl7:observationMedia]					
└ @typeCode	CS	1 ... 1	F	COMP	
└ hl7:entryRelationship		0 ... *		Contains 2.16.756.5.30.1.1.10.4.2 <i>Annotation Comments</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.2
where [hl7:act]					
└ @typeCode	CS	1 ... 1	F	COMP	

<code>h17:reference</code>		<code>0 ... *</code>		This CAN be used to make reference to an external document. Contains 2.16.756.5.30.1.1.10.4.29 <i>External document</i> (DYNAMIC)	IHE PaM TF3 Rev.8, 6.3.4.2
where <code>[h17:externalDocument]</code>					
<code>@typeCode</code>	cs	<code>1 ... 1</code>	F	REFR	
		role		error	
	Schematron assert	test		(<code>h17:code/@code=parent::h17:entry/parent::h17:section/h17:code/@code</code>) and (<code>h17:code/@codeSystem=parent::h17:entry/parent::h17:section/h17:code/@codeSystem</code>)	
		Message		The code MUST be the identical to the one of the section.	

1.4.14 Multimedia Embedded Content

Id	2.16.756.5.30.1.1.10.4.18	Effective Date	2017-06-21 Other versions this id:
Status	 Under pre-publication review	Version Label	2017
Name	chpalm_entry_MultimediaEmbeddedContent	Display Name	Multimedia Embedded Content

Description

Multimedia objects (e.g., PDF representations of the CDA document, pictures, Reiber diagrams, electrophoresis, etc.) MAY be integrated into a CDA document, either by reference to external multimedia objects or by means of XML embedding.

This template defines only the embedding of multimedia objects in the CDA document. References to external documents can be created with the ExternalDocument template.

For embedding in XML, the multimedia objects Base-64 must be encoded.

Due to the amount of data, only light objects should be embedded.

Heavy objects should be integrated using links to external documents.

Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.4.18
Label	CH-PALM
Classification	CDA Entry Level Template
Open/Closed	Open (other than defined elements are allowed)
Relationship	Specialization: template 2.16.840.1.113883.10.12.304 (2005-09-07) Specialization: template 2.16.756.5.30.1.1.10.4.83 (DYNAMIC)

Example	XD-LAB Example
	<pre> <section> <text> <!-- ... --> <renderMultimedia referencedObject="ELECTRO"/> <!-- ... --> </text> <entry> <!-- ... --> <observationMedia classCode="OBS" moodCode="EVN" ID="ELECTRO"> </pre>

	<pre> <value mediaType="image/gif" representation="B64">Here is the inline B64 multimedia content</value> </observationMedia> <!-- ... --> </entry> </section> </pre>
<p>Example</p>	<p>Example</p> <pre> <observationMedia ID="pdf1"> <templateId root="2.16.756.5.30.1.1.10.4.18"/> <templateId root="2.16.756.5.30.1.1.10.4.83"/> <id root="2.999" extension="1095634"/> <languageCode code="en-US"/> <value xsi:type="ED" mediaType="application/pdf" representation="B64">JVBERi0xL ... 1DQo1JUUVPrG==</value> </observationMedia> </pre>

Item	DT	Card	Conf	Description	Label
<p>h17:observationMedia</p>					<p>CH-PALM</p>
<p>└ @ID</p>	<p>st</p>	<p>1 ... 1 R</p>		<p>Key for the reference to the narrative part of the document (<renderMultimedia referencedObject="the Key..."/>)</p>	
<p>└ h17:templateId</p>	<p>II</p>	<p>1 ... 1 M</p>			<p>CH-PALM</p>

└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.4.18	
└ h17:templateId	II	1 ... 1	M		CH-PALM
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.4.83	
└ h17:id	II	0 ... *		IDs for this item CAN be filled for traceability.	CH-PALM
└ @root	uid	1 ... 1	R	MUST contain the OID of the system that issued the ID. OIDs of code systems, which are published in the public OID registry for the Swiss health care system (oid.refdata.ch) are REQUIRED. Others are NOT ALLOWED.	
└ @extension	st	0 ... 1		Contains the ID itself. The ID MUST be unique within the system that issued the ID.	
└ h17:languageCode	CS	1 ... 1	R	The RFC 1766 (ISO-639-1 and ISO 3166) based language in which the multimedia object is written. If it isn't known or not available (e.g. for pictures), use null-Flavor instead.	CH-PALM
	CONF			The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.11526 <i>HumanLanguage</i> (DYNAMIC)	
└ h17:value	ED	1 ... 1	R	The Base-64 encoded multimedia object.	CH-PALM

└ @representation	cs	1 ... 1 F	B64		
				Indicates that the object is Base-64 encoded.	
└ @mediaType	cs	1 ... 1 R			
					Mime type of the multimedia object. According to XD-LAB, only gif, jpeg, png or bmp formats are permitted for laboratory reports (Value-Set Multimedia Embedded Media Types)
				CONF	The value of @mediaType shall be drawn from value set 1.3.6.1.4.1.19376.1.3.11.5 <i>Multimedia Embedded Media Types</i> (DYNAMIC)
└ h17:entryRelationship				NP	This template defines only the embedding of multimedia objects in the CDA document. CH-PALM
└ h17:reference				NP	This template defines only the embedding of multimedia objects in the CDA document. CH-PALM

1.4.15 Non-Human Subject - subject Containment

Id	2.16.756.5.30.1.1.10.4.5
Status	● Under pre-publication review
Name	chpalm_entry_NonHumanSubject

Effective Date	2017-06-21 Other versions this id:
Version Label	2017
Display Name	Non-Human Subject - subject Containment

Description

If, in a part of the document, laboratory observations base exclusively on a sample of a non-human material (e.g., animal, water, soil, etc.) without reference to a patient, it MUST be declared using this element in the CDA body.
 Other parts of the document may contain laboratory observations that base on other samples (including samples taken from the patient).
 In addition, the IHE template 1.3.6.1.4.1.19376.1.3.3.1.2 - Non-Human Subject (recordTarget) MUST be used in the CDA header.

Context	Sibling nodes of template element with id 2.16.756.5.30.1.1.10.4.5							
Label	IHE PaIM TF3 Rev.8, 6.3.4.3							
Classification	CDA Entry Level Template							
Open/Closed	Open (other than defined elements are allowed)							
Uses	Uses 1 template							
	<table border="1"> <thead> <tr> <th>Uses</th> <th>as</th> <th>Name</th> <th>Version</th> </tr> </thead> <tbody> <tr> <td>2.16.756.5.30.1.1.10.9.49</td> <td>Include</td> <td>Original Text Reference (2017)</td> <td>DYNAMIC</td> </tr> </tbody> </table>	Uses	as	Name	Version	2.16.756.5.30.1.1.10.9.49	Include	Original Text Reference (2017)
Uses	as	Name	Version					
2.16.756.5.30.1.1.10.9.49	Include	Original Text Reference (2017)	DYNAMIC					
Relationship	Specialization: template 2.16.840.1.113883.10.12.320 (2005-09-07) Specialization: template 1.3.6.1.4.1.19376.1.3.3.1.2.1 (DYNAMIC)							
Example	<p>XD-LAB example</p> <pre><subject> <cda:templateId root="2.16.756.5.30.1.1.10.4.5"/> <cda:templateId root="1.3.6.1.4.1.19376.1.3.3.1.2.1"/> <relatedSubject> <code code="226955001" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Chicken"> <qualifier> <name code="105590001" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Substance"/> <value code="255620007" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Food"/> </qualifier> </code> </relatedSubject> </subject></pre>							

	<pre> </qualifier> </code> <addr> <streetAddressLine>304 Portola Road</streetAddressLine> <city>San Jose</city> <state>CA</state> <postalCode>95120</postalCode> <country>USA</country> </addr> </relatedSubject> </subject> </pre>
<p>Example</p>	<p style="background-color: yellow;">Water specimen from a reservoir</p> <pre> <subject> <cda:templateId root="2.16.756.5.30.1.1.10.4.5"/> <cda:templateId root="1.3.6.1.4.1.19376.1.3.3.1.2.1"/> <relatedSubject> <code code="257687008" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Reservoir (environment)"> <qualifier> <name code="105590001" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Substance"/> <value code="229979003" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="General food and drink types"/> </qualifier> </code> <addr> <streetAddressLine>Wasserversorgung Gemeindeverband Musterhausen</streetAddressLine> <streetAddressLine>Reservoir Waldrand</streetAddressLine> <postalCode>8888</postalCode> <city>Musterhausen</city> </addr> </relatedSubject> </subject> </pre>

Item	DT	Card	Conf	Description	Label
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<code>h17:templateId</code>	II	1 ... 1	M		IHE PaIM TF3 Rev.8, 6.3.4.3
<code>└ @root</code>	uid	1 ... 1	F	2.16.756.5.30.1.1.10.4.5	
<code>h17:templateId</code>	II	1 ... 1	M		IHE PaIM TF3 Rev.8, 6.3.4.3
<code>└ @root</code>	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.3.3.1.2.1	
<code>h17:relatedSubject</code>		1 ... 1	R		IHE PaIM TF3 Rev.8, 6.3.4.3
<code>└ h17:code</code>	CE	1 ... 1		The type of the non-human subject (animal species, food, material from nature, etc.) MUST be declared using a Code. LOINC (2.16.840.1.113883.6.1) or SNOMED CT (2.16.840.1.113883.6.96) codes or values from the HL7 Vocabulary ObservationType (2.16.840.1.113883.1.11.16226) SHOULD be used. If no vocabulary is available, nullFlavor='OTH' including an originalText element MUST be used. In this case, the attributes @code, @codeSystem and @codeSystemName are NOT ALLOWED.	IHE PaIM TF3 Rev.8, 6.3.4.3
<code>└ @nullFlavor</code>	CS	0 ... 1	F	ASKU If no vocabulary is available, nullFlavor='ASKU' including a displayName MUST be used.	

└ @code	cs	0 ... 1		The code MUST be specified.	
└ @codeSystem	oid	0 ... 1		The OID of the code system MUST be specified.	
└ @codeSystemName	st	0 ... 1		The name of the code system MUST be specified for tracking purposes. However, processing is NOT ALLOWED.	
└ @displayName	st	0 ... 1		The displayName of the code MUST be specified for tracking purposes. However, processing is NOT ALLOWED. Instead, a processing system is to display a user readable language translation of the code from the value set.	
Included		0 ... 1	C	from 2.16.756.5.30.1.1.10.9.49 <i>Original Text Reference</i> (DYNAMIC) The human-readable text MUST be generated automatically from the structured information of this element. The text element MUST contain the reference to the corresponding text in the human readable part, ONLY.	
└ h17:originalText	ED	0 ... 1	C		CDA-CH V2
└ h17:reference	TEL	1 ... 1	M	The reference to the corresponding text in the human readable part must be specified by reference to content[@ID]: reference[@value='#xxx']	CDA-CH V2
└ @value		1 ... 1	R	Reference to the narrative part of the section in the format '#xxx', where xxx is the ID of the corresponding <content></content> element.	
Schematron assert		role	error		
		test	starts-with(@value,'#')		
		Message	The @value attribute content MUST conform to the format '#xxx', where xxx is the ID of the corresponding <content/> element.		
Variable let		Name	idvalue		

			Value	substring-after(@value,'#')		
			role	error		
			test	ancestor::hl7:structuredBody//*[@ID=\$idvalue]		
			Message	No narrative text found for this reference (no content element within this document has an ID that corresponds to '<value-of select="\$idvalue"/>').		
			role	error		
			test	parent::*text()=ancestor::hl7:structuredBody//*[@ID=\$idvalue]/text()		
			Message	The originalText content MUST be identical to the narrative text for this reference.		
			role	error		
			test	(@code and @codeSystem) or (@nullFlavor='OTH' and hl7:originalText)		
			Message	Either a code with its code system or nullFlavor='OTH' with an originalText element is required.		
	h17:addr	AD	1 ... 1		The address is where the material was located, from which the sample was taken. If it is not known, nullFavor='UNK' MUST be used.	IHE PalM TF3 Rev.8, 6.3.4.3

1.4.16 Notifiable Condition

Id	2.16.756.5.30.1.1.10.4.14
Status	Under pre-publication review
Name	chpalm_entry_NotifiableCondition

Effective Date	2017-06-21 Other versions this id:
Version Label	2017
Display Name	Notifiable Condition


Description	If a reportable condition is given (e.g., according to the Federal Act on Combating Communicable Human Diseases and the associated ordinance), this CAN be declared in the CDA body using this element.
Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.4.14
Label	IHE PaIM TF3 Rev.8, 6.3.4.8
Classification	CDA Entry Level Template
Open/Closed	Open (other than defined elements are allowed)
Relationship	Specialization: template 2.16.840.1.113883.10.12.303 (2005-09-07) Specialization: template 1.3.6.1.4.1.19376.1.3.1.1.1 (DYNAMIC)

Example	XD-LAB example
	<pre> <observation classCode="COND" moodCode="EVN"> <templateId root="2.16.756.5.30.1.1.10.4.14"/> <templateId root="1.3.6.1.4.1.19376.1.3.1.1.1"/> <id root="1.3.6.1.4.1.19376.1.3.4" extension="SALM"/> <code code="170516003" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Notification of Disease"> <qualifier> <name code="246087005" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Source of Specimen"/> <value code="116154003" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Patient"/> </qualifier> </code> <statusCode code="completed"/> <effectiveTime value="20080408000000.0000-0400"/> <value xsi:type="CE" code="27268008" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Salmonella"/> </observation> </pre>

Item	DT	Card	Conf	Description	Label
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h17:observation					IHE PaM TF3 Rev.8, 6.3.4.8
└ @classCode	CS	1 ... 1	F	COND	
└ @moodCode	CS	1 ... 1	F	EVN	
└ h17:templateId					IHE PaM TF3 Rev.8, 6.3.4.8
└ @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.3.1.1.1	
└ h17:templateId					IHE PaM TF3 Rev.8, 6.3.4.8
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.4.14	
└ h17:id					IHE PaM TF3 Rev.8, 6.3.4.8
└ @root	uid	1 ... 1	R	MUST contain the OID of the system that issued the ID. OIDs of code systems, which are published in the public OID registry for the Swiss health care system (oid.refdata.ch) are REQUIRED. Others are NOT ALLOWED.	

L @extension	st	0 ... 1		Contains the ID itself. The ID MUST be unique within the system that issued the ID.	
L h17:code	CD	1 ... 1	R	A code that defines the reportable condition MUST be specified.	IHE PaIM TF3 Rev.8, 6.3.4.8
L h17:qualifier	CR	1 ... 1	R	A qualification of the notifiable condition MUST be specified.	IHE PaIM TF3 Rev.8, 6.3.4.8
L h17:name	CV	1 ... 1	R	Qualifies the code with the source of specimen	IHE PaIM TF3 Rev.8, 6.3.4.8
L h17:value	CD	1 ... 1	R	Identifies the specimen source of the condition – patient, food, water, ...	IHE PaIM TF3 Rev.8, 6.3.4.8
L @code	cs	1 ... 1	R	The OID of the code system MUST be specified.	
L @codeSystem	oid	1 ... 1	R	The code MUST be specified.	
L @codeSystemName	st	1 ... 1	R	The name of the code system MUST be specified for tracking purposes. However, processing is NOT ALLOWED.	
L @displayName	st	1 ... 1	R	The displayName of the code MUST be specified for tracking purposes. However, processing is NOT ALLOWED. Instead, a processing system is to display a user readable language translation of the code from the value set.	

<p>└ h17:statusCode</p>	<p>CS</p>	<p>1 ... 1</p>	<p>M</p>	<p>The status 'completed' means the patient has been associated with the given notifiable condition. The status 'aborted' means the patient was associated with the notifiable condition in error.</p>	<p>IHE PaM TF3 Rev.8, 6.3.4.8</p>
<p>CONF</p>		<p>The value of @code shall be drawn from value set 1.3.6.1.4.1.19376.1.3.11.2 <i>ActStatusAbortedCompleted</i> (DYNAMIC)</p>			
<p>└ h17:value</p>	<p>CE</p>	<p>1 ... 1</p>	<p>R</p>	<p>A code that defines the reportable state MUST be specified. If no code is known, nullFlavor='NA' MUST be used.</p>	<p>IHE PaM TF3 Rev.8, 6.3.4.8</p>
<p>└ @nullFlavor</p>	<p>cs</p>	<p>0 ... 1</p>	<p>F</p>	<p>NA If no code is known, nullFlavor='NA' MUST be used.</p>	
<p>└ @code</p>	<p>cs</p>	<p>0 ... 1</p>		<p>The code MUST be specified.</p>	
<p>└ @codeSystem</p>	<p>oid</p>	<p>0 ... 1</p>		<p>The OID of the code system MUST be specified.</p>	
<p>└ @codeSystemName</p>	<p>st</p>	<p>0 ... 1</p>		<p>The name of the code system MUST be specified for tracking purposes. However, processing is NOT ALLOWED.</p>	
<p>└ @displayName</p>	<p>st</p>	<p>0 ... 1</p>		<p>The displayName of the code MUST be specified for tracking purposes. However, processing is NOT ALLOWED. Instead, a processing system is to display a user readable language translation of the code from the value set.</p>	
<p>Schematron assert</p>	<p>role</p>	<p> error</p>	<p>test (@xsi:type='CE' and @code and @codeSystem) or (@nullFlavor='NA')</p>		

Message Either a code with its code system or nullFlavor='NA' is required.

1.4.17 Notifiable Condition - Significant Pathogen

Id	2.16.756.5.30.1.1.10.4.86	Effective Date	2018-04-19 Other versions this id:
Status	 Under pre-publication review	Version Label	2018
Name	cdachrep_entry_NotifiableConditionSignificantPathogen	Display Name	Notifiable Condition - Significant Pathogen
Description	Coding of a significant pathogen.		
Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.4.86		
Label	CDA-CH-LREP		
Classification	CDA Entry Level Template		
Open/Closed	Open (other than defined elements are allowed)		
Relationship	Specialization: template 2.16.840.1.113883.10.12.303 (2005-09-07) Specialization: template 1.3.6.1.4.1.19376.1.3.1.1.1 (DYNAMIC)		
Example	<p>Example</p> <pre><observation classCode="COND" moodCode="EVN"> <templateId root="2.16.756.5.30.1.1.10.4.86"/> <templateId root="2.16.756.5.30.1.1.10.4.14"/> <templateId root="1.3.6.1.4.1.19376.1.3.1.1.1"/> <code code="170516003" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Notification of disease"> <qualifier></pre>		

```

        <name code="246087005" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Source of specimen"/>
        <value code="116154003" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Patient"/>
    </qualifier>
</code>
<statusCode/>
<effectiveTime>
    <low value="20180311203542"/>
</effectiveTime>
<value xsi:type="CE" displayName="Escherichia coli serotype [Identifier] in Isolate" codeSystemName="LOINC" codeSystem="2.16.840.1.113883.6.1" code="20789-4"/>
</observation>
    
```

Item	DT	Card	Conf	Description	Label
hl7:observation					CDA-...LREP
└ @classCode	CS	1 ... 1	F	COND	
└ @moodCode	CS	1 ... 1	F	EVN	
└ hl7:templateId	II	1 ... 1	M		CDA-...LREP
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.4.86	

L h17:templateId	II	1 ... 1	M		CDA-...LREP
L @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.4.14	
L h17:templateId	II	1 ... 1	M		CDA-...LREP
L @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.3.1.1.1	
L h17:id	II	0 ... *		An ID for this item MAY be filled for traceability.	CDA-...LREP
L @root	uid	1 ... 1	R	MUST contain the OID of the system that issued the ID. OIDs of code systems, which are published in the public OID registry for the Swiss health care system (oid.refdata.ch) are REQUIRED. Others are NOT ALLOWED.	
L @extension	st	0 ... 1		Contains the ID itself. The ID MUST be unique within the system that issued the ID.	
L h17:code	CD	1 ... 1	R		CDA-...LREP
L @code	cs	1 ... 1	F	170516003	

└ @codeSystem	oid	1 ... 1	F	2.16.840.1.113883.6.96	
└ @codeSystemName	st	1 ... 1	F	SNOMED CT	
└ @displayName	st	1 ... 1	F	Notification of disease	
└ h17:qualifier	CR	1 ... 1	R	A qualification of the notifiable condition MUST be specified.	CDA- ...LREP
└ h17:name	CV	1 ... 1	R	Qualifies the code with the source of specimen	CDA- ...LREP
└ @code	cs	1 ... 1	F	246087005	
└ @codeSystem	oid	1 ... 1	F	2.16.840.1.113883.6.96	
└ @codeSystemName	st	1 ... 1	F	SNOMED CT	
└ @displayName	st	1 ... 1	F	Source of specimen	
└ h17:value	CD	1 ... 1	R	Identifies the specimen source of the condition – patient, food, water, ...	CDA- ...LREP
└ @code	cs	1 ... 1	R	The OID of the code system MUST be specified.	

└ @codeSystem	oid	1 ... 1	R	The code MUST be specified.	
└ @codeSystemName	st	1 ... 1	R	The name of the code system MUST be specified for tracking purposes. However, processing is NOT ALLOWED.	
└ @displayName	st	1 ... 1	R	The displayName of the code MUST be specified for tracking purposes. However, processing is NOT ALLOWED. Instead, a processing system is to display a user readable language translation of the code from the value set.	
└ h17:statusCode	CS	1 ... 1	M	The status 'completed' means the patient has been associated with the given notifiable condition. The status 'aborted' means the patient was associated with the notifiable condition in error.	CDA-...LREP
	CONF			The value of @code shall be drawn from value set 1.3.6.1.4.1.19376.1.3.11.2 <i>ActStatusAbortedCompleted</i> (DYNAMIC)	
└ h17:effectiveTime	IVL_TS.CH.TZ	1 ... 1	R	Timestamp of the sampling.	CDA-...LREP
└ h17:value	CE	1 ... 1	R	A code that defines the reportable state MUST be specified. If no code is known, nullFlavor='NA' MUST be used.	CDA-...LREP
└ @nullFlavor	cs	0 ... 1	F	NA If no code is known, nullFlavor='NA' MUST be used.	

└ @code	cs	0 ... 1	The code MUST be specified.
└ @codeSystem	oid	0 ... 1	The OID of the code system MUST be specified.
└ @codeSystemName	st	0 ... 1	The name of the code system MUST be specified for tracking purposes. However, processing is NOT ALLOWED.
└ @displayName	st	0 ... 1	The displayName of the code MUST be specified for tracking purposes. However, processing is NOT ALLOWED. Instead, a processing system is to display a user readable language translation of the code from the value set.
Schematron assert		role	error
		test	(@xsi:type='CE' and @code and @codeSystem) or (@nullFlavor='NA')
		Message	Either a code with its code system or nullFlavor='NA' is required.

1.4.18 Notification Organizer

Id	2.16.756.5.30.1.1.10.4.13	Effective Date	2017-06-21 Other versions this id:
Status	● Under pre-publication review	Version Label	2017
Name	chpalm_entry_NotificationOrganizer	Display Name	Notification Organizer

Description

A laboratory report MAY contain information on the obligation to report pathogen detection, on accumulation of observations or specific epidemiologically relevant events.

Precise specification on the usage of this element is documented in the specification "Laboratory reports for public health (CDA-CH-LRPH)".


Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.4.13																
Label	IHE PaIM TF3 Rev.8, 6.3.4.7																
Classification	CDA Entry Level Template																
Open/Closed	Open (other than defined elements are allowed)																
Uses	Uses 3 templates																
	<table border="1"> <thead> <tr> <th>Uses</th> <th>as</th> <th>Name</th> <th>Version</th> </tr> </thead> <tbody> <tr> <td>2.16.756.5.30.1.1.10.4.14</td> <td>Containment</td> <td>Notifiable Condition (2017)</td> <td>DYNAMIC</td> </tr> <tr> <td>2.16.756.5.30.1.1.10.4.15</td> <td>Containment</td> <td>Case Identification (2017)</td> <td>DYNAMIC</td> </tr> <tr> <td>2.16.756.5.30.1.1.10.4.16</td> <td>Containment</td> <td>Outbreak Identification (2017)</td> <td>DYNAMIC</td> </tr> </tbody> </table>	Uses	as	Name	Version	2.16.756.5.30.1.1.10.4.14	Containment	Notifiable Condition (2017)	DYNAMIC	2.16.756.5.30.1.1.10.4.15	Containment	Case Identification (2017)	DYNAMIC	2.16.756.5.30.1.1.10.4.16	Containment	Outbreak Identification (2017)	DYNAMIC
	Uses	as	Name	Version													
	2.16.756.5.30.1.1.10.4.14	Containment	Notifiable Condition (2017)	DYNAMIC													
2.16.756.5.30.1.1.10.4.15	Containment	Case Identification (2017)	DYNAMIC														
2.16.756.5.30.1.1.10.4.16	Containment	Outbreak Identification (2017)	DYNAMIC														
Relationship	Specialization: template 2.16.840.1.113883.10.12.305 (2005-09-07) Specialization: template 1.3.6.1.4.1.19376.1.3.1.1 (DYNAMIC)																
Example	<p>Example</p> <pre><organizer classCode="CLUSTER" moodCode="EVN"> <templateId root="2.16.756.5.30.1.1.10.4.13"/> <templateId root="1.3.6.1.4.1.19376.1.3.1.1"/> <statusCode code="completed"/> </organizer></pre>																

```


<!-- one of these templates:
Notifiable Condition (2.16.756.5.30.1.1.10.4.14)
Case Identification (2.16.756.5.30.1.1.10.4.15)
Outbreak Identification (2.16.756.5.30.1.1.10.4.16)
-->
</organizer>
    
```


Item	DT	Card	Conf	Description	Label
h17:organizer					IHE PaM TF3 Rev.8, 6.3.4.7
└ @classCode	CS	1 ... 1	F	CLUSTER	
└ @moodCode	CS	1 ... 1	F	EVN	
└ h17:templateId	II	1 ... 1	M		IHE PaM TF3 Rev.8, 6.3.4.7
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.4.13	
└ h17:templateId	II	1 ... 1	M		IHE PaM TF3 Rev.8, 6.3.4.7

└ @root	uid	1 ... 1 F	1.3.6.1.4.1.19376.1.3.1.1	IHE PaM TF3 Rev.8, 6.3.4.7
└ h17:statusCode	CS	1 ... 1 M	The status 'completed' means that the patient is assigned to the notification.	IHE PaM TF3 Rev.8, 6.3.4.7
	CONF		The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.20025 <i>ActStatusCompleted</i> (DYNAMIC)	
Choice		1 ... *	Contains at least one notification. Elements to choose from: <ul style="list-style-type: none"> ▪ h17:component containing template 2.16.756.5.30.1.1.10.4.14 <i>Notifiable Condition</i> (DYNAMIC) ▪ h17:component containing template 2.16.756.5.30.1.1.10.4.15 <i>Case Identification</i> (DYNAMIC) ▪ h17:component containing template 2.16.756.5.30.1.1.10.4.16 <i>Outbreak Identification</i> (DYNAMIC) 	
		0 ... *	Contains 2.16.756.5.30.1.1.10.4.14 <i>Notifiable Condition</i> (DYNAMIC)	IHE PaM TF3 Rev.8, 6.3.4.7
where [h17:observation]				
		0 ... *	Contains 2.16.756.5.30.1.1.10.4.15 <i>Case Identification</i> (DYNAMIC)	IHE PaM TF3 Rev.8, 6.3.4.7

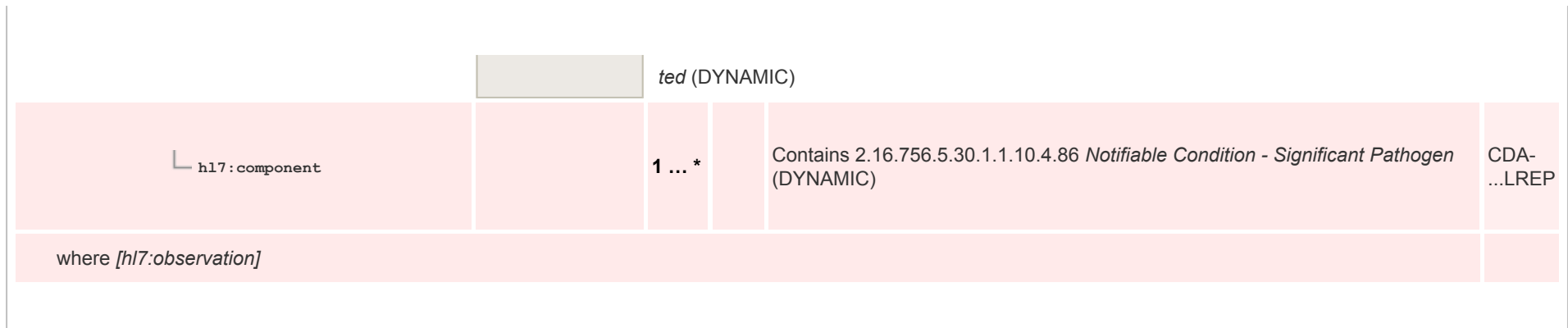
where [hl7:observation]				
 h17:component		0 ... *	Contains 2.16.756.5.30.1.1.10.4.16 <i>Outbreak Identification</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.7
where [hl7:observation]				

1.4.19 Notification Organizer - Significant Pathogens

Id	2.16.756.5.30.1.1.10.4.88	Effective Date	2018-04-19 Other versions this id:
Status	 Under pre-publication review	Version Label	2018
Name	cdachlrep_entry_NotificationOrganizerSignificantPathogens	Display Name	Notification Organizer - Signifi- cant Pathogens
Description	Coding of significant pathogens.		
Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.4.88		
Label	CDA-CH-LREP		
Classification	CDA Entry Level Template		
Open/Closed	Open (other than defined elements are allowed)		

Uses	Uses 1 template				
	Uses	as	Name		Version
	2.16.756.5.30.1.1.10.4.86	Containment	Notifiable Condition - Significant Pathogen (2018)		DYNAMIC
Relationship	Specialization: template 2.16.756.5.30.1.1.10.4.13 (DYNAMIC) Specialization: template 1.3.6.1.4.1.19376.1.3.1.1 (DYNAMIC) Specialization: template 2.16.840.1.113883.10.12.305 (2005-09-07)				
Example	Example				
	<pre> <organizer classCode="CLUSTER" moodCode="EVN"> <templateId root="2.16.756.5.30.1.1.10.4.88"/> <templateId root="1.3.6.1.4.1.19376.1.3.1.1"/> <statusCode code="completed"/> <component> <!-- template 2.16.756.5.30.1.1.10.4.86 'Notifiable Condition - Significant Pathogen' --> </component> </organizer> </pre>				
Item	DT	Card	Conf	Description	Label
h17:organizer					CDA- ...LREP
 @classCode	CS	1 ... 1	F	CLUSTER	

└ @moodCode	CS	1 ... 1	F	EVN	
└ h17:templateId	II	1 ... 1	M		CDA-...LREP
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.4.88	
└ h17:templateId	II	1 ... 1	M		CDA-...LREP
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.4.13	
└ h17:templateId	II	1 ... 1	M		CDA-...LREP
└ @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.3.1.1	
└ h17:statusCode	CS	1 ... 1	M	The status 'completed' means that the patient is assigned to the notification.	CDA-...LREP
└ @code	st	1 ... 1	F	completed	
	CONF	The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.20025 ActStatusComple-			



1.4.20 Observation Media

Id	2.16.756.5.30.1.1.10.4.83	Effective Date	2018-04-18 Other versions this id:
Status	🟡 Under pre-publication review	Version Label	2017
Name	cdach_entry_ObservationMedia	Display Name	Observation Media

Description

Multimedia objects (e.g., PDF representations of the CDA document, pictures, Reiber diagrams, electrophoresis, etc.) MAY be integrated into a CDA document, either by reference to external multimedia objects or by means of XML embedding. This template defines only the embedding of multimedia objects in the CDA document. References to external documents can be created with the ExternalDocument template. For embedding in XML, the multimedia objects Base-64 must be encoded. Due to the amount of data, only light objects should be embedded. Heavy objects should be integrated using links to external documents.

Context Parent nodes of template element with id 2.16.756.5.30.1.1.10.4.83

Label	CDA-CH V2
Classification	CDA Entry Level Template
Open/Closed	Open (other than defined elements are allowed)
Relationship	Specialization: template 2.16.840.1.113883.10.12.304 (2005-09-07)
Example	<p>Example</p> <pre><observationMedia ID="pdf1"> <templateId root="2.16.756.5.30.1.1.10.4.83"/> <id root="2.999" extension="1095634"/> <languageCode code="en-US"/> <value xsi:type="ED" mediaType="application/pdf" representation="B64">JVBERi0xL ... 1DQo1JUUVPRg==</value> </observationMedia></pre>

Item	DT	Card	Conf	Description	Label
h17:observationMedia					CDA-CH V2
└ @ID	st	1 ... 1	R	Key for the reference to the narrative part of the document (<renderMultimedia referenceObject="the Key..."/>)	
└ h17:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.4.83	

└ h17:id	II	0 ... *		IDs for this item MAY be filled for traceability.	CDA-CH V2
└ @root	uid	1 ... 1	R	MUST contain the OID of the system that issued the ID. OIDs of code systems, which are published in the public OID registry for the Swiss health care system (oid.refdata.ch) are REQUIRED. Others are NOT ALLOWED.	
└ @extension	st	0 ... 1		Contains the ID itself. The ID MUST be unique within the system that issued the ID.	
└ h17:languageCode	CS	1 ... 1	R	The RFC 1766 (ISO-639-1 and ISO 3166) based language in which the multimedia object is written. If it isn't known or not available (e.g. for pictures), use null-Flavor instead.	CDA-CH V2
	CONF			The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.11526 <i>HumanLanguage</i> (DYNAMIC)	
└ h17:value	ED	1 ... 1	R	The Base-64 encoded multimedia object.	CDA-CH V2
└ @representation	CS	1 ... 1	F	B64 Indicates that the object is Base-64 encoded.	
└ @mediaType	CS	1 ... 1	R	Mime type of the multimedia object.	
	CONF			The value of @mediaType shall be drawn from value set 2.16.840.1.113883.1.11.14832 <i>ApplicationMediaType</i> (DYNAMIC) or	

			<p>The value of @mediaType shall be drawn from value set 2.16.840.1.113883.1.11.14835 <i>AudioMediaType</i> (DYNAMIC)</p> <p>or</p> <p>The value of @mediaType shall be drawn from value set 2.16.840.1.113883.1.11.14839 <i>ImageMediaType</i> (DYNAMIC)</p> <p>or</p> <p>The value of @mediaType shall be drawn from value set 2.16.840.1.113883.1.11.14848 <i>ModelMediaType</i> (DYNAMIC)</p> <p>or</p> <p>The value of @mediaType shall be drawn from value set 2.16.840.1.113883.1.11.14850 <i>MultipartMediaType</i> (DYNAMIC)</p> <p>or</p> <p>The value of @mediaType shall be drawn from value set 2.16.840.1.113883.1.11.14825 <i>TextMediaType</i> (DYNAMIC)</p> <p>or</p> <p>The value of @mediaType shall be drawn from value set 2.16.840.1.113883.1.11.14845 <i>VideoMediaType</i> (DYNAMIC)</p>	
<p>└ h17:entryRelationship</p>			<p>NP This template defines only the embedding of multimedia objects in the CDA document.</p>	<p>CDA-CH V2</p>
<p>└ h17:reference</p>			<p>NP This template defines only the embedding of multimedia objects in the CDA document.</p>	<p>CDA-CH V2</p>

1.4.21 Outbreak Identification

Id	2.16.756.5.30.1.1.10.4.16	Effective Date	2017-06-21 Other versions this id:
Status	● Under pre-publication review	Version Label	2017
Name	chpalm_entry_OutbreakIdentification	Display Name	Outbreak Identification

Description

If an examination falls under the category "accumulation of observations" or "specific epidemiologically relevant event", this CAN be declared in the CDA body using this element.

Precise specification on the usage of this element is documented in the specification "Laboratory reports for public health (CDA-CH-LRPH)"

Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.4.16
Label	IHE PaIM TF3 Rev.8, 6.3.4.10
Classification	CDA Entry Level Template
Open/Closed	Open (other than defined elements are allowed)
Relationship	Specialization: template 2.16.840.1.113883.10.12.303 (2005-09-07) Specialization: template 1.3.6.1.4.1.19376.1.3.1.1.3 (DYNAMIC)

Example	Example
	<pre><observation classCode="OUTB" moodCode="EVN"> <templateId root="1.3.6.1.4.1.19376.1.3.1.1.3"/> <templateId root="2.16.756.5.30.1.1.10.4.16"/> <id root="2.999" extension="your id"/> <code displayName="Outbreak" codeSystemName="SNOMED CT" codeSystem="2.16.840.1.113883.6.96" code="416534008"/> <statusCode code="completed"/> <value nullFlavor="NA"/> </observation></pre>

Item	DT	Card	Conf	Description	Label
h17:observation					IHE PaIM TF3 Rev.8, 6.3.4.10
└ @classCode	CS	1 ... 1	F	OUTB	
└ @moodCode	CS	1 ... 1	F	EVN	
└ h17:templateId	II	1 ... 1	M		IHE PaIM TF3 Rev.8, 6.3.4.10
└ @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.3.1.1.3	
└ h17:templateId	II	1 ... 1	M		IHE PaIM TF3 Rev.8, 6.3.4.10
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.4.16	
└ h17:id	II	0 ... *		An ID for this item CAN be filled for traceability.	IHE PaIM TF3 Rev.8, 6.3.4.10
└ @root	uid	1 ... 1	R	MUST contain the OID of the system that issued the ID. OIDs of code systems, which are published in the public OID registry for the Swiss health care system (oid.refdata.ch) are REQUIRED. Others are NOT ALLOWED.	

<code>└ @extension</code>	st	0 ... 1		Contains the ID itself. The ID MUST be unique within the system that issued the ID.	
<code>└ h17:code</code>	CD	1 ... 1	R	A code that defines the 'outbreak' MUST be specified. Note: The SNOMED-CT code 416534008 (Outbreak) has been defined for reportable laboratory findings in Switzerland.	IHE PaIM TF3 Rev.8, 6.3.4.10
<code>└ @code</code>	cs	1 ... 1	R	The code MUST be specified.	
<code>└ @codeSystem</code>	oid	1 ... 1	R	The OID of the code system MUST be specified.	
<code>└ @codeSystemName</code>	st	1 ... 1	R	The name of the code system MUST be specified for tracking purposes. However, processing is NOT ALLOWED.	
<code>└ @displayName</code>	st	1 ... 1	R	The displayName of the code MUST be specified for tracking purposes. However, processing is NOT ALLOWED. Instead, a processing system is to display a user readable language translation of the code from the value set.	
<code>└ h17:statusCode</code>	CS	1 ... 1	M	The status 'completed' means the patient has been associated with the given outbreak.	IHE PaIM TF3 Rev.8, 6.3.4.10
	CONF			The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.20025 <i>ActStatusCompleted</i> (DYNAMIC)	
<code>└ h17:value</code>	CE	1 ... 1	R	A code that defines the 'outbreak' condition MUST be specified. If no code is known, nullFlavor='NA' MUST be used.	IHE PaIM TF3 Rev.8, 6.3.4.10

				Note: For reportable laboratory findings in Switzerland, nullFlavor = 'NA' MUST MUST be used.
└ @nullFlavor	cs	0 ... 1	F	NA If no code is known, nullFlavor='NA' MUST be used.
└ @code	cs	0 ... 1		The code MUST be specified.
└ @codeSystem	oid	0 ... 1		The OID of the code system MUST be specified.
└ @codeSystemName	st	0 ... 1		The name of the code system MUST be specified for tracking purposes. However, processing is NOT ALLOWED.
└ @displayName	st	0 ... 1		The displayName of the code MUST be specified for tracking purposes. However, processing is NOT ALLOWED. Instead, a processing system is to display a user readable language translation of the code from the value set.
Schematron assert		role	● error	
		test		(@xsi:type='CE' and @code and @codeSystem) or (@nullFlavor='NA')
		Message		Either a code with its code system or nullFlavor='NA' is required.

1.4.22 Pregnancy Observation Entry

Id	2.16.756.5.30.1.1.10.4.92
Status	● Under pre-publication review
Name	chpcc_entry_PregnancyObservation

Effective Date	2016-11-11 Other versions this id:
Version Label	2016
Display Name	Pregnancy Observation Entry

Description	This element contains structured information about a pregnancy.												
Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.4.92												
Label	IHE PCC TF2 Rev.11, 6.3.4.25												
Classification	CDA Entry Level Template												
Open/Closed	Open (other than defined elements are allowed)												
Uses	<p>Uses 2 templates</p> <table border="1" data-bbox="633 544 2056 671"> <thead> <tr> <th data-bbox="633 544 920 584">Uses</th> <th data-bbox="927 544 1070 584">as</th> <th data-bbox="1077 544 1816 584">Name</th> <th data-bbox="1823 544 2056 584">Version</th> </tr> </thead> <tbody> <tr> <td data-bbox="633 588 920 628">2.16.756.5.30.1.1.10.9.14</td> <td data-bbox="927 588 1070 628">Include</td> <td data-bbox="1077 588 1816 628">  Narrative Text Reference (2017) </td> <td data-bbox="1823 588 2056 628">DYNAMIC</td> </tr> <tr> <td data-bbox="633 633 920 673">2.16.756.5.30.1.1.10.9.48</td> <td data-bbox="927 633 1070 673">Containment</td> <td data-bbox="1077 633 1816 673">  Author Compilation with name (2017) </td> <td data-bbox="1823 633 2056 673">DYNAMIC</td> </tr> </tbody> </table>	Uses	as	Name	Version	2.16.756.5.30.1.1.10.9.14	Include	 Narrative Text Reference (2017)	DYNAMIC	2.16.756.5.30.1.1.10.9.48	Containment	 Author Compilation with name (2017)	DYNAMIC
	Uses	as	Name	Version									
	2.16.756.5.30.1.1.10.9.14	Include	 Narrative Text Reference (2017)	DYNAMIC									
2.16.756.5.30.1.1.10.9.48	Containment	 Author Compilation with name (2017)	DYNAMIC										
Relationship	<p>Specialization: template 1.3.6.1.4.1.19376.1.5.3.1.4.13.5 (DYNAMIC) Specialization: template 1.3.6.1.4.1.19376.1.5.3.1.4.13 (DYNAMIC) Specialization: template 2.16.840.1.113883.10.12.303 (2005-09-07)</p>												
Example	<p>Example</p> <pre data-bbox="633 954 2056 1265"> <observation classCode="OBS" moodCode="EVN"> <templateId root="2.16.756.5.30.1.1.10.4.92"/> <templateId root="1.3.6.1.4.1.19376.1.5.3.1.4.13.5"/> <templateId root="1.3.6.1.4.1.19376.1.5.3.1.4.13"/> <id root="2.999" extension="your id"/> <code code="11778-8" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="DELIVERY DATE (CLINICAL ESTIMATE)"/> <text> <reference value="#po-1"/> </text> <statusCode code="completed"/> <effectiveTime nullFlavor="UNK"/> <value xsi:type="TS" value="20150411"/> </observation> </pre>												

Item	DT	Card	Conf	Description	Label
h17:observation				This element contains structured information about a pregnancy.	IHE PCC TF2 Rev.11, 6.3.4.25
└ @classCode	CS	1 ... 1	F	OBS	
└ @moodCode	CS	1 ... 1	F	EVN	
└ h17:templateId	II	1 ... 1	M		IHE PCC TF2 Rev.11, 6.3.4.25
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.4.92	
└ h17:templateId	II	1 ... 1			IHE PCC TF2 Rev.11, 6.3.4.25
└ @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.5.3.1.4.13.5	
└ h17:templateId	II	1 ... 1	M		IHE PCC TF2 Rev.11, 6.3.4.25
└ @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.5.3.1.4.13	


└ h17:id	II	1 ... 1	M	Each observation SHALL have an identifier.	IHE PCC TF2 Rev.11, 6.3.4.25
└ @root	uid	1 ... 1	R	MUST contain the OID of the system that issued the ID. OIDs of code systems, which are published in the public OID registry for the Swiss health care system (oid.refdata.ch) are REQUIRED. Others are NOT ALLOWED.	
└ @extension	st	0 ... 1		Contains the ID itself. The ID MUST be unique within the system that issued the ID.	
└ h17:code	CD	1 ... 1	M	See [IHE PCC TF-2], Table 6.3.4.25.4-1 Pregnancy Observation Codes	IHE PCC TF2 Rev.11, 6.3.4.25
└ @code	cs	1 ... 1	R		
└ @codeSystem	oid	1 ... 1	F	2.16.840.1.113883.6.1	
└ @codeSystemName	st	1 ... 1	F	LOINC	
└ @displayName	st	1 ... 1	R		
	CONF			The value of @code shall be drawn from value set 2.16.756.5.30.1.1.11.78 <i>Pregnancy Observation Codes</i> (DYNAMIC)	
<i>Included</i>		1 ... 1		from 2.16.756.5.30.1.1.10.9.14 <i>Narrative Text Reference</i> (DYNAMIC) The human-readable text MUST be generated automatically from the structured information of this element. The text element MUST contain the reference to the corresponding text in the human readable part, ONLY.	

<p>└ h17:text</p>	<p>ED</p>	<p>1 ... 1</p>	<p>M</p>		<p>CDA-CH V2</p>
<p>└ h17:reference</p>	<p>TEL</p>	<p>1 ... 1</p>	<p>M</p>	<p>The reference to the corresponding text in the human readable part must be specified by reference to content[@ID]: reference[@value='#xxx']</p>	<p>CDA-CH V2</p>
<p>└ @value</p>		<p>1 ... 1</p>	<p>R</p>	<p>Reference to the narrative part of the section in the format '#xxx', where xxx is the ID of the corresponding <content></content> element.</p>	
<p>Schematron assert</p>	<p>role</p>	<p>error</p>			
<p>test</p>	<p>starts-with(@value,'#')</p>				
<p>Message</p>	<p>The @value attribute content MUST conform to the format '#xxx', where xxx is the ID of the corresponding <content/> element.</p>				
<p>Variable let</p>	<p>Name</p>	<p>idvalue</p>			
<p>Value</p>	<p>substring-after(@value,'#')</p>				
<p>Schematron assert</p>	<p>role</p>	<p>error</p>			
<p>test</p>	<p>ancestor::h17:structuredBody//*[@ID=\$idvalue]</p>				
<p>Message</p>	<p>No narrative text found for this reference (no content element within this document has an ID that corresponds to '<value-of select="\$idvalue"/>').</p>				
<p>└ h17:statusCode</p>	<p>CS</p>	<p>1 ... 1</p>	<p>M</p>	<p>The statusCode shall be set to 'completed' for all observations.</p>	<p>IHE PCC TF2 Rev.11, 6.3.4.25</p>
<p>CONF</p>	<p>The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.20025 ActStatusComple-</p>				

				<i>ted</i> (DYNAMIC)		
				Elements to choose from:		
<i>Choice</i>		1 ... 1		<ul style="list-style-type: none"> ▪ hl7:effectiveTime ▪ hl7:effectiveTime 		
└ hl7:effectiveTime	TS.CH.TZ	0 ... 1	C	Date or timestamp of the finding (physiologically relevant time of this observation).	IHE PCC TF2 Rev.11, 6.3.4.25	
└ hl7:effectiveTime	IVL_TS.CH.TZ	0 ... 1	C	Period of the finding (physiologically relevant time span of this observation).	IHE PCC TF2 Rev.11, 6.3.4.25	
└ hl7:low	TS.CH.TZ				IHE PCC TF2 Rev.11, 6.3.4.25	
└ hl7:high	TS.CH.TZ				IHE PCC TF2 Rev.11, 6.3.4.25	
└ hl7:value	ANY	1 ... 1	R	See [IHE PCC TF-2], Table 6.3.4.25.4-1 Pregnancy Observation Codes	IHE PCC TF2 Rev.11, 6.3.4.25	

L h17:author	0 ... *	This MAY be used to indicate who has documented the observation. This information supersedes any information recorded at higher level. Contains 2.16.756.5.30.1.1.10.9.48 <i>Author Compilation with name</i> (DYNAMIC)	IHE PCC TF2 Rev.11, 6.3.4.25
where [hl7:functionCode [concat(@code, @codeSystem) = doc('include/voc-2.16.756.5.30.1.127.3.10.1.1.3-DYNAMIC.xml')/valueSet [1]/conceptList/concept/concat(@code, @codeSystem) or @nullFlavor]]			

1.4.23 Previous Observation

Id	2.16.756.5.30.1.1.10.4.22	Effective Date	2017-06-21 Other versions this id:
Status	 Under pre-publication review	Version Label	2017
Name	chpalm_entry_PreviousObservation	Display Name	Previous Observation


Description

A laboratory result can be supplemented with any number of previous results, if this information is important. Previous laboratory results MUST be associated to the same patient, the same test, the same procedure, and the same test kit, otherwise they are NOT ALLOWED, here.

Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.4.22
Label	IHE PaIM TF3 Rev.8, 6.3.4.13
Classification	CDA Entry Level Template
Open/Closed	Open (other than defined elements are allowed)

Relationship	Specialization: template 2.16.840.1.113883.10.12.303 (2005-09-07)
Example	<p>Example</p> <pre> <observation classCode="OBS" moodCode="EVN"> <templateId root="2.16.756.5.30.1.1.10.4.22"/> <code displayName="Erythrocytes [# /volume] in Blood by Automated count" codeSystemName="LOINC" codeSystem="2.16.840.1.113883.6.1" code="789-8"/> <statusCode code="completed"/> <effectiveTime> <low value="20180320170248+0100"/> </effectiveTime> <value/> </observation> </pre>

Item	DT	Card	Conf	Description	Label
h17:observation					IHE PaIM TF3 Rev.8, 6.3.4.13
└ @classCode	CS	1 ... 1	F	OBS	
└ @moodCode	CS	1 ... 1	F	EVN	
└ h17:templateId	II	1 ... 1	M		IHE PaIM TF3 Rev.8, 6.3.4.13
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.4.22	

<code>└ h17:code</code>	CD	1 ... 1	R	MUST contain the same code as the current laboratory result.	IHE PaIM TF3 Rev.8, 6.3.4.13	
<code>└ @code</code>	cs	1 ... 1	R	MUST contain the same content as the for current laboratory result.		
<code>└ @codeSystem</code>	oid	1 ... 1	R	MUST contain the same content as the for current laboratory result.		
<code>└ @codeSystemName</code>	st	1 ... 1	R	MUST contain the same content as the for current laboratory result.		
<code>└ @displayName</code>	st	1 ... 1	R	MUST contain the same content as the for current laboratory result.		
<code>└ h17:statusCode</code>	CS	1 ... 1	R	MUST be set to 'completed'.	IHE PaIM TF3 Rev.8, 6.3.4.13	
	CONF	The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.20025 <i>ActStatusCompleted</i> (DYNAMIC)				
<code>└ h17:effectiveTime</code>	IVL_TS.CH.TZ	1 ... 1	R	Timestamp of the findings (physiologically relevant time) of this previous result. Accuracy of the value: Date and time with hour and minute.	IHE PaIM TF3 Rev.8, 6.3.4.13	
	Schematron assert	role	 error			
		test	string-length(@value)>11			
		Message	A precision of date and time of day with at least hour and minute is required.			

<p>└ h17:value</p>	<p>ANY</p>	<p>1 ... 1</p>	<p>R</p>	<p>The previous result obtained for this test.</p>	<p>IHE PaIM TF3 Rev.8, 6.3.4.13</p>	
<p>Schematron assert</p>		<p>role</p>	<p>● error</p>			
		<p>test</p>	<p>(hl7:code/@code=parent::hl7:entryRelationship/parent::hl7:observation/hl7:code/@code) and (hl7:code/@codeSystem=parent::hl7:entryRelationship/parent::hl7:observation/hl7:code/@codeSystem)</p>			
		<p>Message</p>	<p>The previous result MUST contain the same code as the current laboratory result.</p>			

1.4.24 Responsible Party - participant Containment

<p>Id</p>	<p>2.16.756.5.30.1.1.10.4.9</p>	<p>Effective Date</p>	<p>2017-06-21 Other versions this id:</p>
<p>Status</p>	<p>● Under pre-publication review</p>	<p>Version Label</p>	<p>2017</p>
<p>Name</p>	<p>chpalm_entry_ParticipantBodyResponsibleParty</p>	<p>Display Name</p>	<p>Responsible Party - participant Containment</p>

Description


External laboratory that has delivered the results. The following applies:

- The external laboratory MUST be declared, including its responsible person.
- All persons and organizations, MUST according to XD-LAB contain name, addr and telecom.

Context	Pathname				
Label	IHE PaIM TF3 Rev.8				
Classification	CDA Entry Level Template				
Open/Closed	Open (other than defined elements are allowed)				
Uses	Uses 2 templates				
	Uses	as	Name	Version	
	2.16.756.5.30.1.1.10.9.35	Containment	Address Information Compilation - eCH-0010 (2017)	DYNAMIC	
2.16.756.5.30.1.1.10.9.20	Containment	PlayingEntity Compilation with name (2017)	DYNAMIC		
Relationship	Specialization: template 2.16.840.1.113883.10.12.321 (2005-09-07)				
Example	Example				
	<pre> <participant typeCode="RESP"> <participantRole> <addr> <!-- template 2.16.756.5.30.1.1.10.9.35 'Address Information Compilation - eCH-0010' --> </addr> <telecom value="tel:+41.33.123.45.67"/> <playingEntity> <!-- template 2.16.756.5.30.1.1.10.9.20 'PlayingEntity Compilation with name' --> </playingEntity> </participantRole> </participant> </pre>				
Item	DT	Card	Conf	Description	Label

@typeCode	cs	1 ... 1	F	RESP	
h17:participantRole		1 ... 1	R		IHE PaIM TF3 Rev.8
└ h17:addr	AD	1 ... *	R	All persons and organizations, MUST according to XD-LAB contain name, addr and telecom. Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	IHE PaIM TF3 Rev.8
└ h17:telecom	TEL	1 ... *	R	All persons and organizations, MUST according to XD-LAB contain name, addr and telecom.	IHE PaIM TF3 Rev.8
└ h17:playingEntity		1 ... 1	R	All persons and organizations, MUST according to XD-LAB contain name, addr and telecom. Contains 2.16.756.5.30.1.1.10.9.20 <i>PlayingEntity Compilation with name</i> (DYNAMIC)	IHE PaIM TF3 Rev.8

1.4.25 Specimen Collection

Id	2.16.756.5.30.1.1.10.4.11
Status	 Under pre-publication review

Effective Date	2017-06-21 Other versions this id:
Version Label	2017

Name	chpalm_entry_SpecimenCollection	Display Name	Specimen Collection	
Description	Laboratory reports MAY contain information on the specimen. If there are more than one specimen associated to the order, then this item occurs multiple times.			
Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.4.11			
Label	IHE PaIM TF3 Rev.8, 6.3.4.5			
Classification	CDA Entry Level Template			
Open/Closed	Open (other than defined elements are allowed)			
Uses	Uses 5 templates			
	Uses	as	Name	Version
	2.16.756.5.30.1.1.10.9.14	Include	 Narrative Text Reference (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.7	Containment	 Laboratory Performer - performer Containment (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.24	Containment	 Specimen collection - participant Containment (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.4.12	Containment	 Specimen Received (2017)	DYNAMIC
2.16.756.5.30.1.1.10.4.3	Containment	 Laboratory Observation (2017)	DYNAMIC	
Relationship	Specialization: template 2.16.840.1.113883.10.12.306 (2005-09-07) Specialization: template 1.3.6.1.4.1.19376.1.3.1.2 (DYNAMIC)			
Example	<p>Example</p> <pre><procedure classCode="PROC" moodCode="EVN"> <templateId root="2.16.756.5.30.1.1.10.4.11"/> <templateId root="1.3.6.1.4.1.19376.1.3.1.2"/> <id root="2.999" extension="your id"/> <code code="33882-2" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Collection date of Unspecified specimen"/> <!-- include template 2.16.756.5.30.1.1.10.9.14 'Narrative text reference' --> <effectiveTime nullFlavor="UNK"></pre>			

```

<low value="20180320171934+0100"/>
</effectiveTime>
<targetSiteCode displayName="displayName" codeSystemName="ActSite" codeSystem="2.16.840.1.113883.5.1052" code="cs"/>
<performer>
  <!-- template 2.16.756.5.30.1.1.10.4.7 'Laboratory Performer - performer Containment' -->
</performer>
<participant>
  <!-- template 2.16.756.5.30.1.1.10.4.24 'Specimen collection - participant Containment' -->
</participant>
<entryRelationship typeCode="COMP">
  <!-- template 2.16.756.5.30.1.1.10.4.12 'Specimen Received' -->
</entryRelationship>
<entryRelationship typeCode="COMP">
  <!-- template 2.16.756.5.30.1.1.10.4.3 'Laboratory Observation' -->
</entryRelationship>
</procedure>
    
```

Item	DT	Card	Conf	Description	Label
h17:procedure					IHE PaIM TF3 Rev.8, 6.3.4.5
└ @classCode	CS	1 ... 1	F	PROC	
└ @moodCode	CS	1 ... 1	F	EVN	
└ h17:templateId	II	1 ... 1	M		IHE PaIM TF3 Rev.8, 6.3.4.5

└ @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.3.1.2	
└ h17:templateId	II	1 ... 1	M		IHE PaIM TF3 Rev.8, 6.3.4.5
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.4.11	
└ h17:id	II	0 ... 1		An ID for this item MAY be filled for traceability.	IHE PaIM TF3 Rev.8, 6.3.4.5
└ @root	uid	1 ... 1	R	MUST contain the OID of the system that issued the ID. OIDs of code systems, which are published in the public OID registry for the Swiss health care system (oid.refda-ta.ch) are REQUIRED. Others are NOT ALLOWED.	
└ @extension	st	0 ... 1		Contains the ID itself. The ID MUST be unique within the system that issued the ID.	
└ h17:code	CD	1 ... 1	M	LOINC specimen collection code.	IHE PaIM TF3 Rev.8, 6.3.4.5
└ @code	cs	1 ... 1	F	33882-2	
└ @codeSystem	oid	1 ... 1	F	2.16.840.1.113883.6.1	
└ @codeSystemName	st	1 ... 1	F	LOINC	
└ @displayName	st	1 ... 1	F	Collection date of Unspecified specimen	

<i>Included</i>			1 ... 1		from 2.16.756.5.30.1.1.10.9.14 <i>Narrative Text Reference</i> (DYNAMIC) The human-readable text MUST be generated automatically from the structured information of this element. The text element MUST contain the reference to the corresponding text in the human readable part, ONLY.	
└ h17:text	ED	1 ... 1	M			CDA-CH V2
└ h17:reference	TEL	1 ... 1	M		The reference to the corresponding text in the human readable part must be specified by reference to content[@ID]: reference[@value='#xxx']	CDA-CH V2

└ @value **1 ... 1** R Reference to the narrative part of the section in the format '#xxx', where xxx is the ID of the corresponding <content></content> element.


Schematron assert	role	● error
	test	starts-with(@value,'#')
	Message	The @value attribute content MUST conform to the format '#xxx', where xxx is the ID of the corresponding <content/> element.
Variable let	Name	idvalue
	Value	substring-after(@value,'#')
Schematron assert	role	● error
	test	ancestor::h17:structuredBody//*[@ID=\$idvalue]
	Message	No narrative text found for this reference (no content element within this document has an ID that corresponds to '<value-of select="\$idvalue"/>').


<p>└ h17:effectiveTime</p>	<p>IVL_TS.CH.TZ</p>	<p>1 ... 1</p>	<p>Timestamp (e.g., for simple blood sampling) or period (e.g., 24 hour urine test) of the specimen collection or specimen creation.</p> <ul style="list-style-type: none"> ▪ Timestamp: Is declared using @value. Minimum accuracy of the value: Date (the time of the day is OPTIONAL). ▪ Period: Is declared using low/@value and high/@value. Accuracy of the value: Date and time with hour and minute. 	<p>IHE PaIM TF3 Rev.8, 6.3.4.5</p>
<p>└ @nullFlavor</p>	<p>cs</p>	<p>0 ... 1</p>	<p>F UNK</p>	
			<p>If the moment in time of the sampling is not known, nullFlavor='UNK' MUST be used.</p>	
		<p>role</p>	<p>● error</p>	
	<p>Schematron assert</p>	<p>test</p>	<p>(@nullFlavor='UNK') or (string-length(@value)>7) or ((hl7:low/@nullFlavor='UNK' or string-length(hl7:low/@value)>7) and (hl7:high/@nullFlavor='UNK' or string-length(hl7:high/@value)>7))</p>	
		<p>Message</p>	<p>A precision of day is required.</p>	
<p>└ h17:targetSiteCode</p>	<p>CD</p>	<p>0 ... 1</p>	<p>This CAN be used to indicate the anatomical position of the specimen collection. This is particularly relevant in microbiology (e.g., when the sample was removed with a swab from the left foot). The HL7 vocabulary ActSite contains anatomical locations of organisms that may be at the center of the action.</p>	<p>IHE PaIM TF3 Rev.8, 6.3.4.5</p>
<p>└ @code</p>	<p>cs</p>	<p>1 ... 1</p>	<p>R The code MUST be specified.</p>	
<p>└ @codeSystem</p>	<p>oid</p>	<p>1 ... 1</p>	<p>F 2.16.840.1.113883.5.1052</p>	
<p>└ @codeSystemName</p>	<p>st</p>	<p>1 ... 1</p>	<p>F ActSite</p>	
<p>└ @displayName</p>	<p>st</p>	<p>1 ... 1</p>	<p>R The displayName of the code MUST be specified for tracking purposes. However, processing is NOT ALLOWED. Instead, a processing system is to display a user readable language translation of the code from the value set.</p>	

<code>└ h17:performer</code>		0 ... 1		This can be used to specify who performed the specimen collection. Contains 2.16.756.5.30.1.1.10.4.7 <i>Laboratory Performer - performer Containment</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.5
where <code>[h17:assignedEntity]</code>					
<code>└ h17:participant</code>		1 ... 1	M	The information on the specimen MUST be declared. Contains 2.16.756.5.30.1.1.10.4.24 <i>Specimen collection - participant Containment</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.5
where <code>[not(@nullFlavor)] [h17:participantRole]</code>					
<code>└ h17:entryRelationship</code>		0 ... 1		This MAY be used to indicate when the sample has arrived at the laboratory. Contains 2.16.756.5.30.1.1.10.4.12 <i>Specimen Received</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.5
where <code>[h17:act]</code>					
<code>└ @typeCode</code>	CS	1 ... 1	F	COMP	
<code>└ h17:entryRelationship</code>		0 ... *		This MAY be used to indicate observations of the specimen collection. This allows to provide information to the laboratory, that are important e.g. for a 24-hour urine test: <ul style="list-style-type: none"> Collection period for 24 hour urine test: <code>@code='13362-9'</code> (Collection duration of Urine), <code>@value='24'</code>, <code>@unit='h'</code> Collected volume (urine quantity): <code>@code='19153-6'</code> (Volume in Urine collected for unspecified duration), <code>@value: urine quantity</code>, <code>@unit: UCUM unit of urine quantity (e.g. ml, dl or l)</code> 	IHE PaIM TF3 Rev.8, 6.3.4.5

					Contains 2.16.756.5.30.1.1.10.4.3 <i>Laboratory Observation</i> (DYNAMIC)	
where [hl7:observation]						
@typeCode	cs	1 ... 1	F	COMP		

1.4.26 Specimen collection - participant Containment

Id	2.16.756.5.30.1.1.10.4.24	Effective Date	2017-06-21 Other versions this id:
Status	 Under pre-publication review	Version Label	2017
Name	chpalm_entry_ParticipantBodySpecimenCollection	Display Name	Specimen collection - participant Containment
Description	Specimen Information.		
Context	Pathname		
Label	IHE PaIM TF3 Rev.8, 6.3.4.5		
Classification	CDA Entry Level Template		
Open/Closed	Open (other than defined elements are allowed)		
Uses	Uses 1 template		
	Uses	as	Name

2.16.756.5.30.1.1.10.4.27 Containment  Specimen Type (2017) DYNAMIC

Relationship Specialization: template 2.16.840.1.113883.10.12.321 (2005-09-07)

Example

```

<placeholder typeCode="PRD">
  <participantRole classCode="SPEC">
    <id root="2.999" extension="your id"/>
    <playingEntity>
      <!-- template 2.16.756.5.30.1.1.10.4.27 'Specimen Type' -->
    </playingEntity>
  </participantRole>
</placeholder>
    
```


Item	DT	Card	Conf	Description	Label
@typeCode	CS	1 ... 1	F	PRD	
h17:participantRole		1 ... 1	R		IHE PaIM TF3 Rev.8, 6.3.4.5
└ @classCode	CS	1 ... 1	F	SPEC	

<code>h17:id</code>	II	1 ... 1	R	The specimen identification MUST be declared. If no specimen identification is available, nullFlavor='NA' MUST be used. In this case @root and @extension are NOT ALLOWED.	IHE PaIM TF3 Rev.8, 6.3.4.5						
<code>@nullFlavor</code>	cs	0 ... 1	F	NA							
<code>@root</code>	uid	0 ... 1		If no specimen identification is available, nullFlavor='NA' MUST be used. MUST contain the OID of the system that issued the ID. OIDs of code systems, which are published in the public OID registry for the Swiss health care system (oid.refdata.ch) are REQUIRED. Others are NOT ALLOWED.							
<code>@extension</code>	st	0 ... 1		Contains the ID itself. The ID MUST be unique within the system that issued the ID.							
				<table border="1"> <tr> <td>role</td> <td>● error</td> </tr> <tr> <td>test</td> <td>(@extension and @root) or (@nullFlavor='NA')</td> </tr> <tr> <td>Message</td> <td>Either an id with its root and extension or nullFlavor='NA' is required.</td> </tr> </table>	role	● error	test	(@extension and @root) or (@nullFlavor='NA')	Message	Either an id with its root and extension or nullFlavor='NA' is required.	
role	● error										
test	(@extension and @root) or (@nullFlavor='NA')										
Message	Either an id with its root and extension or nullFlavor='NA' is required.										
<code>h17:playingEntity</code>		1 ... 1	R	Contains 2.16.756.5.30.1.1.10.4.27 <i>Specimen Type</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.4.5						

1.4.27 Specimen Received

Id	2.16.756.5.30.1.1.10.4.12
Status	● Under pre-publication review

Effective Date	2017-06-21 Other versions this id:
Version Label	2017

Name	chpalm_entry_SpecimenReceived	Display Name	Specimen Received
Description	A laboratory report MAY contain information on the reception of the specimen at the laboratory.		
Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.4.12		
Label	IHE PaIM TF3 Rev.8, 6.3.4.6		
Classification	CDA Entry Level Template		
Open/Closed	Open (other than defined elements are allowed)		
Uses	Uses 1 template		
	Uses	as	Name
	2.16.756.5.30.1.1.10.9.14	Include 	Narrative Text Reference (2017) DYNAMIC
Relationship	Specialization: template 2.16.840.1.113883.10.12.301 (2005-09-07) Specialization: template 1.3.6.1.4.1.19376.1.3.1.3 (DYNAMIC)		
Example	<p>Example</p> <pre> <act classCode="ACT" moodCode="EVN"> <templateId root="2.16.756.5.30.1.1.10.4.12"/> <templateId root="1.3.6.1.4.1.19376.1.3.1.3"/> <id root="2.999" extension="your id"/> <code code="SPRECEIVE" codeSystem="1.3.5.1.4.1.19376.1.5.3.2" codeSystemName="IHEActionCode" displayName="Receive Time"/> <!-- include template 2.16.756.5.30.1.1.10.9.14 'Narrative text reference' --> <effectiveTime value="20180320172947+0100"/> </act> </pre>		

Item	DT	Card	Conf	Description	Label
------	----	------	------	-------------	-------


h17:act					IHE PaIM TF3 Rev.8, 6.3.4.6
└ @classCode	CS	1 ... 1	F	ACT	
└ @moodCode	CS	1 ... 1	F	EVN	
└ h17:templateId					IHE PaIM TF3 Rev.8, 6.3.4.6
└ @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.3.1.3	
└ h17:templateId					IHE PaIM TF3 Rev.8, 6.3.4.6
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.4.12	
└ h17:id					IHE PaIM TF3 Rev.8, 6.3.4.6
└ @nullFlavor	CS	0 ... 1	F	ASKU	
					If specimen identification is not available, nullFlavor='ASKU' MUST be used.

└ @root	uid	0 ... 1		MUST contain the OID of the system that issued the ID. OIDs of code systems, which are published in the public OID registry for the Swiss health care system (oid.refdata.ch) are REQUIRED. Others are NOT ALLOWED.	
└ @extension	st	0 ... 1		MUST contain the specimen identification as issued by the customer. The number MUST be unique within the system that issued the number.	
	Schematron assert		role	error	
			test	(@extension and @root) or (@nullFlavor='ASKU')	
			Message	Either an id with its root and extension or nullFlavor='ASKU' is required.	
└ h17:code	CD	1 ... 1	R		IHE PaIM TF3 Rev.8, 6.3.4.6
└ @code	cs	1 ... 1	F	SPRECEIVE	
└ @codeSystem	oid	1 ... 1	F	1.3.5.1.4.1.19376.1.5.3.2	
└ @codeSystemName	st	1 ... 1	F	IHEActCode	
└ @displayName	st	1 ... 1	F	Receive Time	
Included		1 ... 1		from 2.16.756.5.30.1.1.10.9.14 <i>Narrative Text Reference</i> (DYNAMIC) The human-readable text MUST be generated automatically from the structured information of this element. The text element MUST contain the reference to the corresponding text in the human readable part, ONLY.	
└ h17:text	ED	1 ... 1	M		CDA-CH V2

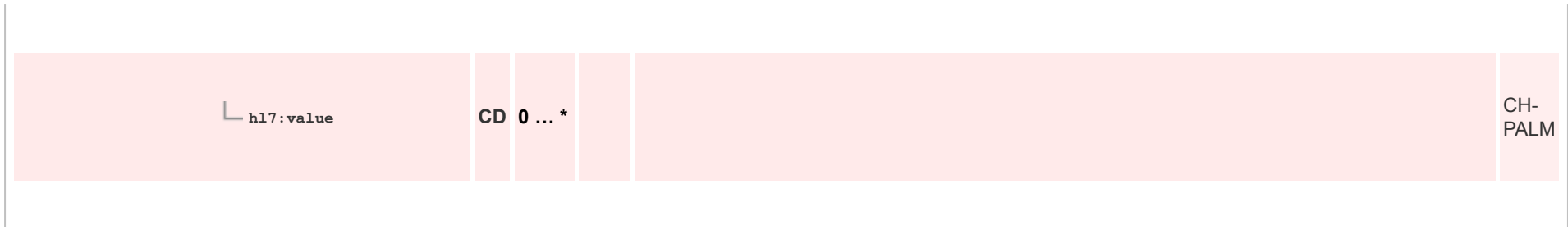
<p>└ h17:reference</p>	<p>TEL</p>	<p>1 ... 1</p>	<p>M</p>	<p>The reference to the corresponding text in the human readable part must be specified by reference to content[@ID]: reference[@value='#xxx']</p>	<p>CDA-CH V2</p>
<p>└ @value</p>	<p>Schematron assert</p>	<p>1 ... 1</p>	<p>R</p>	<p>Reference to the narrative part of the section in the format '#xxx', where xxx is the ID of the corresponding <content></content> element.</p> <p>role  error</p> <p>test starts-with(@value,'#')</p> <p>Message The @value attribute content MUST conform to the format '#xxx', where xxx is the ID of the corresponding <content/> element.</p> <p>Variable let</p> <p>Name idvalue</p> <p>Value substring-after(@value,'#')</p> <p>Schematron assert</p> <p>role  error</p> <p>test ancestor::h17:structuredBody//*[@ID=\$idvalue]</p> <p>Message No narrative text found for this reference (no content element within this document has an ID that corresponds to '<value-of select="\$idvalue"/>').</p>	
<p>└ h17:effectiveTime</p>	<p>IVL_TS.CH.TZ</p>	<p>1 ... 1</p>	<p>R</p>	<p>Timestamp of the specimen reception at the laboratory. Minimum accuracy of the value: Date and time with hour and minute.</p>	<p>IHE PaIM TF3 Rev.8, 6.3.4.6</p>
	<p>Schematron assert</p>			<p>role  error</p> <p>test string-length(@value)>11</p> <p>Message A precision of date and time of day with at least hour and minute is required.</p>	

1.4.28 Specimen Type

Id	2.16.756.5.30.1.1.10.4.27	Effective Date	2017-06-21 Other versions this id:
Status	● Under pre-publication review	Version Label	2017
Name	chpalm_entry_SpecimenType	Display Name	Specimen Type
Description	Specimen Type.		
Context	Pathname		
Label	CH-PALM		
Classification	CDA Entry Level Template		
Open/Closed	Open (other than defined elements are allowed)		
Relationship	Specialization: template 2.16.840.1.113883.10.12.313 (2005-09-07)		
Example	<p>Example</p> <pre><code code="LOINC" codeSystem="2.16.756.5.30.2.1.1.10" codeSystemName="CDA-CH Material"/></pre>		

Item	DT	Card	Conf	Description	Label
<i>Choice</i>		0 ... *		Elements to choose from: <ul style="list-style-type: none"> hl7:code hl7:code 	
 hl7:code	CE	0 ... 1	R	IHE XD-LAB requires coding of the specimen. However, since the laboratory results have to be coded with LOINC, the specimen is already defined via the 'System' axis of LOINC. Therefore the following, fixed code CAN be used for laboratory reports in Switzerland.	CH-PALM

└ @code	cs	1 ... 1	F	LOINC	
└ @codeSystem	oid	1 ... 1	F	2.16.756.5.30.2.1.1.10	
└ @codeSystemName	st	1 ... 1	F	CDA-CH Material	
└ @displayName	st	0	NP	NP/not present	
└ h17:code	CD	0 ... 1	R	IF the coding of the specimen with LOINC's 'System' axis is insufficient, a precise code CAN be used. The use of SNOMED-CT is recommended.	CH-PALM
└ @code	cs	1 ... 1	R	The code MUST be specified.	
└ @codeSystem	oid	1 ... 1	R	The OID of the code system MUST be specified.	
└ @codeSystemName	st	1 ... 1	R	The name of the code system MUST be specified for tracking purposes. However, processing is NOT ALLOWED.	
└ @displayName	st	1 ... 1	R	The displayName of the code MUST be specified for tracking purposes. However, processing is NOT ALLOWED. Instead, a processing system is to display a user readable language translation of the code from the value set.	
└ h17:qualifier	CR	0 ... *		A precision of the code CAN be specified using a qualifier. Not further specified.	CH-PALM
└ h17:name	CV	0 ... *			CH-PALM



1.4.29 Vital Signs Observation

Id	2.16.756.5.30.1.1.10.4.21	Effective Date	2016-11-11 Other versions this id:	
Status	Under pre-publication review	Version Label	2016	
Name	chpcc_entry_VitalSignsObservation	Display Name	Vital Signs Observation	
Description	Structured notation of a measured value resp. an observation of a single vital sign (such as body height, weight, blood pressure).			
Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.4.21			
Label	IHE PCC TF2 Rev.11, 6.3.4.22			
Classification	CDA Entry Level Template			
Open/Closed	Open (other than defined elements are allowed)			
Uses	Uses 1 template			
	Uses	as	Name	Version
	2.16.756.5.30.1.1.10.9.14	Include	Narrative Text Reference (2017)	DYNAMIC
Relationship	Specialization: template 2.16.840.1.113883.10.12.303 (2005-09-07)			

Specialization: template 1.3.6.1.4.1.19376.1.5.3.1.4.13 (2016-09-26 08:43:40)

	Example
Example	<pre> <observation classCode="OBS" moodCode="EVN"> <templateId root="2.16.756.5.30.1.1.10.4.21"/> <templateId root="1.3.6.1.4.1.19376.1.5.3.1.4.13"/> <templateId root="1.3.6.1.4.1.19376.1.5.3.1.4.13.2"/> <templateId root="2.16.840.1.113883.10.20.1.31"/> <id root="3B9A88CF-E868-490B-B0BF-DA25E7D2F9FA"/> <code code="3137-7" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Body height Measured"/> <text> <reference value="#o1"/> </text> <statusCode code="completed"/> <effectiveTime value="20081118"/> <value xsi:type="PQ" value="178" unit="cm"/> <interpretationCode code="N" codeSystem="2.16.840.1.113883.5.83"/> <methodCode nullFlavor="NA"/> <targetSiteCode nullFlavor="NA"/> </observation> </pre>

Item	DT	Card	Conf	Description	Label
h17:observation					IHE PCC TF2 Rev.11, 6.3.4.22
└ @classCode	CS	1 ... 1	F	OBS	
└ @moodCode	CS	1 ... 1	F	EVN	

└ h17:templateId	II	1 ... 1	M		IHE PCC TF2 Rev.11, 6.3.4.22
└ @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.5.3.1.4.13	
└ h17:templateId	II	1 ... 1	M		IHE PCC TF2 Rev.11, 6.3.4.22
└ @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.5.3.1.4.13.2	
└ h17:templateId	II	1 ... 1	M		IHE PCC TF2 Rev.11, 6.3.4.22
└ @root	uid	1 ... 1	F	2.16.840.1.113883.10.20.1.31	
└ h17:templateId	II	1 ... 1	M		IHE PCC TF2 Rev.11, 6.3.4.22
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.4.21	

L h17:id		II	1 ... 1	M	An ID for this item MAY be filled for traceability.	IHE PCC TF2 Rev.11, 6.3.4.22
L @root	uid	uid	1 ... 1	R	MUST contain the OID of the system that issued the ID. OIDs of code systems, which are published in the public OID registry for the Swiss health care system (oid.refdata.ch) are REQUIRED. Others are NOT ALLOWED.	
L @extension	st	st	0 ... 1		Contains the ID itself. The ID MUST be unique within the system that issued the ID.	
L h17:code		CD	1 ... 1	R		IHE PCC TF2 Rev.11, 6.3.4.22
L @code	cs	cs	1 ... 1	R		
L @codeSystem	oid	oid	1 ... 1	F	2.16.840.1.113883.6.1	
L @codeSystemName	st	st	1 ... 1	F	LOINC	
L @displayName	st	st	1 ... 1	R		
		CONF			The value of @code shall be drawn from value set 2.16.756.5.30.1.1.11.5 <i>Vital Signs Observation</i> (DYNAMIC)	
<i>Included</i>			1 ... 1		from 2.16.756.5.30.1.1.10.9.14 <i>Narrative Text Reference</i> (DYNAMIC) The reference to the text in the narrative section of the section MUST be specified.	

<p>└ h17:text</p>	<p>ED</p>	<p>1 ... 1</p>	<p>M</p>		<p>CDA-CH V2</p>
<p>└ h17:reference</p>	<p>TEL</p>	<p>1 ... 1</p>	<p>M</p>	<p>The reference to the corresponding text in the human readable part must be specified by reference to content[@ID]: reference[@value='#xxx']</p>	<p>CDA-CH V2</p>
<p>└ @value</p>		<p>1 ... 1</p>	<p>R</p>	<p>Reference to the narrative part of the section in the format '#xxx', where xxx is the ID of the corresponding <content></content> element.</p>	
<p>Schematron assert</p>	<p>role</p>	<p>error</p>			
<p>test</p>	<p>starts-with(@value,'#')</p>				
<p>Message</p>	<p>The @value attribute content MUST conform to the format '#xxx', where xxx is the ID of the corresponding <content/> element.</p>				
<p>Variable let</p>	<p>Name</p>	<p>idvalue</p>			
<p>Value</p>	<p>substring-after(@value,'#')</p>				
<p>Schematron assert</p>	<p>role</p>	<p>error</p>			
<p>test</p>	<p>ancestor::h17:structuredBody//*[@ID=\$idvalue]</p>				
<p>Message</p>	<p>No narrative text found for this reference (no content element within this document has an ID that corresponds to '<value-of select="\$idvalue"/>').</p>				
<p>└ h17:statusCode</p>	<p>CS</p>	<p>1 ... 1</p>	<p>M</p>	<p>The status 'completed' indicates that the observation is final.</p>	<p>IHE PCC TF2 Rev.11, 6.3.4.22</p>
<p>CONF</p>	<p>The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.20025 ActStatusComple-</p>				

				<i>ted</i> (DYNAMIC)	
L h17:effectiveTime	IVL_TS.CH.TZ	1 ... 1	R		IHE PCC TF2 Rev.11, 6.3.4.22
L h17:value	ANY	1 ... 1	R	According to table in [IHE PCC TF-2], 6.3.4.22.3	IHE PCC TF2 Rev.11, 6.3.4.22
L h17:interpretationCode	CE	0 ... *	R		IHE PCC TF2 Rev.11, 6.3.4.22
L h17:methodCode	CE	0 ... *	R		IHE PCC TF2 Rev.11, 6.3.4.22
L h17:targetSiteCode	CD	0 ... *	R		IHE PCC TF2 Rev.11, 6.3.4.22

1.4.30 Vital Signs Organizer Entry

Id	2.16.756.5.30.1.1.10.4.20	Effective Date	2016-11-11 Other versions this id:	
Status	● Under pre-publication review	Version Label	2016	
Name	chpcc_entry_VitalSignsOrganizer	Display Name	Vital Signs Organizer Entry	
Description	Coded vital sign organizer according to [IHE PCC TF-2], 6.3.4.21.			
Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.4.20			
Label	IHE PCC TF2 Rev.11, 6.3.4.21			
Classification	CDA Entry Level Template			
Open/Closed	Open (other than defined elements are allowed)			
Uses	Uses 1 template			
	Uses	as	Name	Version
	2.16.756.5.30.1.1.10.4.21	Containment ●	Vital Signs Observation (2016)	DYNAMIC
Relationship	Specialization: template 2.16.840.1.113883.10.12.305 (2005-09-07)			
Example	<p>Example</p> <pre><organizer classCode="CLUSTER" moodCode="EVN"> <templateId root="2.16.756.5.30.1.1.10.4.20"/> <templateId root="1.3.6.1.4.1.19376.1.5.3.1.4.13.1"/> <templateId root="2.16.840.1.113883.10.20.1.32"/> <templateId root="2.16.840.1.113883.10.20.1.35"/> <id root="1.2.3.999" extension="--example only--"/> <code code="46680005" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="VITAL SIGNS"/> <statusCode code="completed"/> <effectiveTime> <low value="20180323085353+0100"/> </effectiveTime> <component typeCode="COMP" contextConductionInd="false"></pre>			

```

<sequenceNumber value="1"/>
<seperatableInd value="false"/>
<!-- template 2.16.756.5.30.1.1.10.4.21 'Vital Signs Observation' -->
</component>
</organizer>
    
```

Item	DT	Card	Conf	Description	Label
h17:organizer					IHE PCC TF2 Rev.11, 6.3.4.21
└ @classCode	CS	1 ... 1	F	CLUSTER	
└ @moodCode	CS	1 ... 1	F	EVN	
└ h17:templateId	II	1 ... 1	M		IHE PCC TF2 Rev.11, 6.3.4.21
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.4.20	
└ h17:templateId	II	1 ... 1	M		IHE PCC TF2 Rev.11, 6.3.4.21
└ @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.5.3.1.4.13.1	


└ h17:templateId	II	1 ... 1	M		IHE PCC TF2 Rev.11, 6.3.4.21
└ @root	uid	1 ... 1	F	2.16.840.1.113883.10.20.1.32	
└ h17:templateId	II	1 ... 1	M		IHE PCC TF2 Rev.11, 6.3.4.21
└ @root	uid	1 ... 1	F	2.16.840.1.113883.10.20.1.35	
└ h17:id	II	0 ... *		The ID for this item.	IHE PCC TF2 Rev.11, 6.3.4.21
└ @root	uid	1 ... 1	R	MUST contain the OID of the system that issued the ID. OIDs of code systems, which are published in the public OID registry for the Swiss health care system (oid.refdata.ch) are REQUIRED. Others are NOT ALLOWED.	
└ @extension	st	0 ... 1		Contains the ID itself. The ID MUST be unique within the system that issued the ID.	
└ h17:code	CE	1 ... 1	R		IHE PCC TF2 Rev.11, 6.3.4.21
└ @code	cs	1 ... 1	F	46680005	

└ @codeSystem	oid	1 ... 1	F	2.16.840.1.113883.6.96	
└ @codeSystemName	st	1 ... 1	F	SNOMED CT	
└ @displayName	st	1 ... 1	F	VITAL SIGNS	
└ h17:statusCode	CS	1 ... 1	M		IHE PCC TF2 Rev.11, 6.3.4.21
└ @code	CONF	1 ... 1	F	completed	
└ h17:effectiveTime	IVL_TS.CH.TZ	0 ... 1	R		IHE PCC TF2 Rev.11, 6.3.4.21
└ h17:component		0 ... *		Contains 2.16.756.5.30.1.1.10.4.21 <i>Vital Signs Observation</i> (DYNAMIC)	IHE PCC TF2 Rev.11, 6.3.4.21
where [hl7:observation [hl7:code [concat(@code, @codeSystem) = doc('include/voc-2.16.756.5.30.1.1.11.5-DYNAMIC.xml')//valueSet [1]/conceptList/concept/concat(@code, @codeSystem) or @nullFlavor]]]					
└ @typeCode	cs	0 ... 1	F	COMP	
└ @contextConductionInd	bl	0 ... 1			

h17:sequenceNumber	INT	0 ... 1			IHE PCC TF2 Rev.11, 6.3.4.21
h17:seperatableInd	BL	0 ... 1			IHE PCC TF2 Rev.11, 6.3.4.21

1.5 Other CDA Templates

1.5.1 Address Information Compilation - eCH-0010

Id	2.16.756.5.30.1.1.10.9.35	Effective Date	2018-04-18 Other versions this id:
Status	 Active	Version Label	2017
Name	cdach_other_AddressInformationCompilation-eCH-0010	Display Name	Address Information Compilation - eCH-0010

Description









Address information according to the eCH-0010 V7.0 addressInformation data type. CDA-CH V2 derivatives, i.e. Swiss exchange formats MAY use this template by either refe-


rence or specialisation.













See <https://www.ech.ch/vechweb/page?p=dossier&documentNumber=eCH-0010&documentVersion=7.0> for more information.
























Context	Pathname		
Label	eCH-0010 V7.0 addressInformation		
Classification	Template type not specified		
Open/Closed	Open (other than defined elements are allowed)		
Associated with	Associated with 11 concepts		
	Id	Name	Data Set
	hl7chcda-dataelement-55	addressLine2	CDA-CH V2 2017
	hl7chcda-dataelement-65	postOfficeBoxNumber	CDA-CH V2 2017
	hl7chcda-dataelement-58	locality	CDA-CH V2 2017
	hl7chcda-dataelement-62	street	CDA-CH V2 2017
	hl7chcda-dataelement-154	foreignZipCode	CDA-CH V2 2017
	hl7chcda-dataelement-64	dwellingNumber	CDA-CH V2 2017
	hl7chcda-dataelement-54	addressLine1	CDA-CH V2 2017
	hl7chcda-dataelement-63	houseNumber	CDA-CH V2 2017

	<table border="0"> <tr> <td data-bbox="667 292 864 347">hl7chcda-dataelement-151</td> <td data-bbox="949 292 1137 320">● swissZipCode</td> <td data-bbox="1778 292 2007 320">● CDA-CH V2 2017</td> </tr> <tr> <td data-bbox="667 363 864 419">hl7chcda-dataelement-59</td> <td data-bbox="949 363 1039 392">● town</td> <td data-bbox="1778 363 2007 392">● CDA-CH V2 2017</td> </tr> <tr> <td data-bbox="667 435 864 491">hl7chcda-dataelement-85</td> <td data-bbox="949 435 1137 464">● countryIdISO2</td> <td data-bbox="1778 435 2007 464">● CDA-CH V2 2017</td> </tr> </table>	hl7chcda-dataelement-151	● swissZipCode	● CDA-CH V2 2017	hl7chcda-dataelement-59	● town	● CDA-CH V2 2017	hl7chcda-dataelement-85	● countryIdISO2	● CDA-CH V2 2017
hl7chcda-dataelement-151	● swissZipCode	● CDA-CH V2 2017								
hl7chcda-dataelement-59	● town	● CDA-CH V2 2017								
hl7chcda-dataelement-85	● countryIdISO2	● CDA-CH V2 2017								
<p>Example</p>	<p>Swiss postal address</p> <pre><streetAddressLine>c/o Muster Hans</streetAddressLine> <streetAddressLine>Chalet Edelweiss</streetAddressLine> <streetName>Specimengasse</streetName> <houseNumber>99</houseNumber> <additionalLocator>3. OG Ost</additionalLocator> <city>Musterhausen</city> <postalCode>9999</postalCode> <country>CH</country></pre>									
<p>Example</p>	<p>Foreign postal address</p> <pre><streetName>Wishard Blvd</streetName> <houseNumber>1050</houseNumber> <additionalLocator>RG 5th floor</additionalLocator> <state>IN</state> <city>Indianapolis</city> <postalCode>46240</postalCode> <country>US</country></pre>									

Item	DT	Card	Conf	Description	Label
<code>h17:streetAddressLine</code>	ADXP	0 ... 1		Free additional lines for additional address information which can not be used in the other address fields (e.g. for c/o entries, etc.), with a maximum length of 150 characters. addressLine1 should be used for personalized addressing (e.g., c/o-Address).	eCH-0010 V7.0 addressInformation
 hl7chcda-dataelement-54  addressLine1  CDA-CH V2 2017					
Schematron assert		role	 error		
		see	eCH-0010 V7.0, section 5.12		
		test	string-length(text()) < 151		
		Message	eCH-0010 restricts the content length to max. 150 characters		
<code>h17:streetAddressLine</code>	ADXP	0 ... 1		Free additional lines for additional address information which can not be used in the other address fields (e.g. for c/o entries, etc.), with a maximum length of 150 characters. addressLine2 should be used for non-personalized address details (e.g., additional location information, e.g. "Chalet Edelweiss").	eCH-0010 V7.0 addressInformation
 hl7chcda-dataelement-55  addressLine2  CDA-CH V2 2017					
Schematron assert		role	 error		
		see	eCH-0010 V7.0, section 5.12		
		test	string-length(text()) < 151		
		Message	eCH-0010 restricts the content length to max. 150 characters		
<code>h17:streetName</code>	ADXP	0 ... 1	C	Street names in postal addresses. It can also be the name of a locality, a hamlet, etc. With a maximum length of 150 characters.	eCH-0010 V7.0 addressInformation

		 hl7chcda-dataelement-62  street  CDA-CH V2 2017			
		Schematron assert	role	 error	
			see	eCH-0010 V7.0, section 5.13	
			test	string-length(text()) < 151	
			Message	eCH-0010 restricts the content length to max. 150 characters	
hl7:houseNumber	ADXP	0 ... 1		House number in postal addresses (including house number additives). With a maximum length of 30 characters.	eCH-0010 V7.0 addressInformation
		 hl7chcda-dataelement-63  houseNumber  CDA-CH V2 2017			
		Schematron assert	role	 error	
			see	eCH-0010 V7.0, section 5.14	
			test	string-length(text()) < 31	
			Message	eCH-0010 restricts the content length to max. 30 characters	
hl7:additionalLocator	ADXP	0 ... 1		Number of addressed apartment. This is occasionally necessary for larger buildings. With a maximum length of 30 characters.	eCH-0010 V7.0 addressInformation
		 hl7chcda-dataelement-64  dwellingNumber  CDA-CH V2 2017			
		Schematron assert	role	 error	
			see	eCH-0010 V7.0, section 5.15	
			test	string-length(text()) < 31	
			Message	eCH-0010 restricts the content length to max. 30 characters	

<p>hl7:postBox</p>	<p>ADXP</p>	<p>0 ... 1</p>	<p>C</p>	<p>Number of the addressed post box in a maximum length of 8 characters.</p>	<p>eCH-0010 V7.0 addressInformation</p>									
<p> hl7chcda-dataelement-65  postOfficeBoxNumber  CDA-CH V2 2017</p>														
<table border="1"> <tr> <td data-bbox="741 499 954 675" rowspan="4"> <p>Schematron assert</p> </td> <td data-bbox="958 499 1066 539"> <p>role</p> </td> <td data-bbox="1070 499 1133 539"> <p> error</p> </td> </tr> <tr> <td data-bbox="958 542 1066 582"> <p>see</p> </td> <td data-bbox="1070 542 2056 582"> <p>eCH-0010 V7.0, section 5.16</p> </td> </tr> <tr> <td data-bbox="958 585 1066 625"> <p>test</p> </td> <td data-bbox="1070 585 2056 625"> <p>string-length(text()) < 9</p> </td> </tr> <tr> <td data-bbox="958 628 1066 675"> <p>Message</p> </td> <td data-bbox="1070 628 2056 675"> <p>eCH-0010 restricts the content length to max. 8 characters</p> </td> </tr> </table>						<p>Schematron assert</p>	<p>role</p>	<p> error</p>	<p>see</p>	<p>eCH-0010 V7.0, section 5.16</p>	<p>test</p>	<p>string-length(text()) < 9</p>	<p>Message</p>	<p>eCH-0010 restricts the content length to max. 8 characters</p>
<p>Schematron assert</p>	<p>role</p>	<p> error</p>												
	<p>see</p>	<p>eCH-0010 V7.0, section 5.16</p>												
	<p>test</p>	<p>string-length(text()) < 9</p>												
	<p>Message</p>	<p>eCH-0010 restricts the content length to max. 8 characters</p>												
<p>hl7:state</p>	<p>ADXP</p>	<p>0 ... 1</p>		<p>Occasionally, additional geographic information must be provided in foreign addresses, in addition to city and country. This element can be used for such cases. It contains superordinate or subordinate information on a city, such as region, province, state or local district. Since it is difficult - especially with foreign addresses - to determine whether an indication is subordinate or subordinate, a separate mapping of superordinate and subordinate indication is omitted.</p>	<p>eCH-0010 V7.0 addressInformation</p>									
<p> hl7chcda-dataelement-58  locality  CDA-CH V2 2017</p>														
<p>hl7:city</p>	<p>ADXP</p>	<p>1 ... 1</p>	<p>R</p>	<p>Addressed city (in foreign addresses if necessary including province, etc.). When using the information according to the Swiss Post, the 27-digit city name must be used.</p>	<p>eCH-0010 V7.0 addressInformation</p>									
<p> hl7chcda-dataelement-59  town  CDA-CH V2 2017</p>														

<p>hl7:postalCode</p>	<p>ADXP</p>	<p>1 ... 1</p>	<p>R</p>	<p>Postal code given by Swiss Post or postal code issued by a post office abroad, that can consist of numbers, letters or a combination of both, possibly even special characters.</p>	<p>eCH-0010 V7.0 addressInformation</p>						
<table border="1"> <tr> <td data-bbox="741 430 1111 488">  hl7chcda-dataelement-154 </td> <td data-bbox="1115 430 1597 488">  foreignZipCode </td> <td data-bbox="1601 430 2056 488">  CDA-CH V2 2017 </td> </tr> <tr> <td data-bbox="741 491 1111 539"> hl7chcda-dataelement-151 </td> <td data-bbox="1115 491 1597 539">  swissZipCode </td> <td data-bbox="1601 491 2056 539">  CDA-CH V2 2017 </td> </tr> </table>						 hl7chcda-dataelement-154	 foreignZipCode	 CDA-CH V2 2017	hl7chcda-dataelement-151	 swissZipCode	 CDA-CH V2 2017
 hl7chcda-dataelement-154	 foreignZipCode	 CDA-CH V2 2017									
hl7chcda-dataelement-151	 swissZipCode	 CDA-CH V2 2017									
<p>hl7:country</p>	<p>ADXP</p>	<p>1 ... 1</p>	<p>R</p>	<p>Two-digit, alphanumeric ISO country code according to [ISO 3166-1] of the country in which the address is located. The country defines the conventions for addressing. The country code MUST also be declared for Swiss postal addresses. Caution: Political changes or renaming of countries will result in adjustments to the ISO country list. The length of the feature is 2 characters.</p>	<p>eCH-0010 V7.0 addressInformation</p>						
<table border="1"> <tr> <td data-bbox="741 788 1111 852">  hl7chcda-dataelement-85 </td> <td data-bbox="1115 788 1597 852">  countryIdISO2 </td> <td data-bbox="1601 788 2056 852">  CDA-CH V2 2017 </td> </tr> </table>						 hl7chcda-dataelement-85	 countryIdISO2	 CDA-CH V2 2017			
 hl7chcda-dataelement-85	 countryIdISO2	 CDA-CH V2 2017									
<p>Schematron assert</p>		<p>role</p>	 error								
		<p>see</p>	<p>eCH-0010 V7.0, section 5.24.2</p>								
		<p>test</p>	<p>string-length(text()) < 3</p>								
		<p>Message</p>	<p>eCH-0010 restricts the content length to max. 2 characters</p>								
<p>Schematron assert</p>		<p>role</p>	 error								
		<p>see</p>	<p>eCH-0007</p>								
		<p>test</p>	<p>not(hl7:state) or not(upper-case(hl7:country/text()='CH') or (upper-case(hl7:state/text()='AG') or (upper-case(hl7:state/text()='AI') or (upper-case(hl7:state/text()='AR') or (upper-case(hl7:state/text()='BE') or (upper-case(hl7:state/text()='BL') or (upper-case(hl7:state/text()='BS') or (upper-case(hl7:state/text()='FL') or (upper-case(hl7:state/text()='FR') or (upper-case(hl7:state/text()='GE') or (upper-case(hl7:state/text()='GL') or (upper-case(hl7:state/text()='GR') or (upper-case(hl7:state/text()='JU') or (upper-case(hl7:state/text()='LU') or (upper-case(hl7:state/text()='NE') or (upper-case(hl7:state/text()='NW') or (upper-case(hl7:state/text()='OW') or (upper-case(hl7:state/text()='SG') or (upper-case(hl7:state/text()='SH') or (upper-case(hl7:state/text()='SO') or (upper-case(hl7:state/text()='SZ') or (upper-case(hl7:state/text()='TG') or (upper-case(hl7:state/text()='TI') or (upper-case(hl7:state/text()='UR') or (upper-case(hl7:state/text()='VD') or (upper-case(hl7:state/text()='VS') or (upper-case(hl7:state/text()='ZG') or (upper-case(hl7:state/text()='ZH'))</p>								
		<p>Message</p>	<p>eCH-0007 cantonFIAbbreviationType restricts valid state values for</p>								



1.5.2 Assigned Entity Compilation with name, addr and telecom

Id	2.16.756.5.30.1.1.10.9.17	Effective Date	2018-04-18 Other versions this id:
Status	● Active	Version Label	2017
Name	cdach_other_AssignedEntityCompilationNameAddrTelecom	Display Name	Assigned Entity Compilation with name, addr and telecom

Description

Reusable template wherever an assigned entity with required name, addr and telecom is used in a CDA-CH V2 document. CDA-CH V2 derivatives, i.e. Swiss exchange formats MAY use this template by either reference or specialisation.

Context	Pathname
Label	CDA-CH V2
Classification	Template type not specified
Open/Closed	Open (other than defined elements are allowed)

Associated with Associated with 1 concept

	<table border="1"> <thead> <tr> <th data-bbox="497 284 815 323">Id</th> <th data-bbox="815 284 1742 323">Name</th> <th data-bbox="1742 284 2051 323">Data Set</th> </tr> </thead> <tbody> <tr> <td data-bbox="497 323 815 368">hl7chcda-dataelement-47</td> <td data-bbox="815 323 1742 368">● addressInformation</td> <td data-bbox="1742 323 2051 368">● CDA-CH V2 2017</td> </tr> </tbody> </table>	Id	Name	Data Set	hl7chcda-dataelement-47	● addressInformation	● CDA-CH V2 2017														
Id	Name	Data Set																			
hl7chcda-dataelement-47	● addressInformation	● CDA-CH V2 2017																			
<p>Uses</p>	<p>Uses 4 templates</p> <table border="1"> <thead> <tr> <th data-bbox="497 547 797 587">Uses</th> <th data-bbox="797 547 949 587">as</th> <th data-bbox="949 547 1787 587">Name</th> <th data-bbox="1787 547 2051 587">Version</th> </tr> </thead> <tbody> <tr> <td data-bbox="497 587 797 627">2.16.756.5.30.1.1.10.9.49</td> <td data-bbox="797 587 949 627">Include</td> <td data-bbox="949 587 1787 627">● Original Text Reference (2017)</td> <td data-bbox="1787 587 2051 627">DYNAMIC</td> </tr> <tr> <td data-bbox="497 627 797 667">2.16.756.5.30.1.1.10.9.35</td> <td data-bbox="797 627 949 667">Containment</td> <td data-bbox="949 627 1787 667">● Address Information Compilation - eCH-0010 (2017)</td> <td data-bbox="1787 627 2051 667">DYNAMIC</td> </tr> <tr> <td data-bbox="497 667 797 707">2.16.756.5.30.1.1.10.9.34</td> <td data-bbox="797 667 949 707">Containment</td> <td data-bbox="949 667 1787 707">● Person Name Information Compilation - eCH-0011 (2017)</td> <td data-bbox="1787 667 2051 707">DYNAMIC</td> </tr> <tr> <td data-bbox="497 707 797 746">2.16.756.5.30.1.1.10.9.27</td> <td data-bbox="797 707 949 746">Containment</td> <td data-bbox="949 707 1787 746">● Organization Compilation with name, addr, telecom (2017)</td> <td data-bbox="1787 707 2051 746">DYNAMIC</td> </tr> </tbody> </table>	Uses	as	Name	Version	2.16.756.5.30.1.1.10.9.49	Include	● Original Text Reference (2017)	DYNAMIC	2.16.756.5.30.1.1.10.9.35	Containment	● Address Information Compilation - eCH-0010 (2017)	DYNAMIC	2.16.756.5.30.1.1.10.9.34	Containment	● Person Name Information Compilation - eCH-0011 (2017)	DYNAMIC	2.16.756.5.30.1.1.10.9.27	Containment	● Organization Compilation with name, addr, telecom (2017)	DYNAMIC
Uses	as	Name	Version																		
2.16.756.5.30.1.1.10.9.49	Include	● Original Text Reference (2017)	DYNAMIC																		
2.16.756.5.30.1.1.10.9.35	Containment	● Address Information Compilation - eCH-0010 (2017)	DYNAMIC																		
2.16.756.5.30.1.1.10.9.34	Containment	● Person Name Information Compilation - eCH-0011 (2017)	DYNAMIC																		
2.16.756.5.30.1.1.10.9.27	Containment	● Organization Compilation with name, addr, telecom (2017)	DYNAMIC																		
<p>Relationship</p>	<p>Specialization: template 2.16.756.5.30.1.1.10.9.12 (DYNAMIC)</p>																				
<p>Example</p>	<p>Example</p> <pre data-bbox="497 986 2051 1305"> <functionCode code="309343006" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Physician"/> <addr use="WP"> <streetName>Doktorgasse</streetName> <houseNumber>2</houseNumber> <city>Musterhausen</city> <postalCode>8888</postalCode> <country>CH</country> </addr> <telecom value="tel:+41.32.234.55.66" use="WP"/> <telecom value="fax:+41.32.234.55.67" use="WP"/> <telecom value="mailto:bereit@gruppenpraxis.ch" use="WP"/> <telecom value="http:www.gruppenpraxis.ch" use="WP"/> <assignedPerson> <name> </pre>																				

```




    <given>Allzeit</given>
    <family>Bereit</family>
    <prefix>Dr. med.</prefix>
  </name>
</assignedPerson>
<representedOrganization>
  <id root="2.51.1.3" extension="76099999999999999999"/>
  <name>Gruppenpraxis CH</name>
  <telecom value="tel:+41.32.234.55.66" use="WP"/>
  <telecom value="fax:+41.32.234.55.67" use="WP"/>
  <telecom value="mailto:bereit@gruppenpraxis.ch" use="WP"/>
  <telecom value="http:www.gruppenpraxis.ch" use="WP"/>
  <addr use="WP">
    <streetName>Doktorgasse</streetName>
    <houseNumber>2</houseNumber>
    <city>Musterhausen</city>
    <postalCode>8888</postalCode>
    <country>CH</country>
  </addr>
</representedOrganization>

```





Item	DT	Card	Conf	Description	Label
h17:code	CE	0 ... 1		If declared, the code MUST be taken from the Swiss EPR Value-Set for author roles. See FDHA Ordinance on the Electronic Patient Record (EPRO-FDHA), Appendix 3: Metadata, Section 2.1. If the desired functionCode is not available in the Swiss EPR Value-Set for author roles, the code 133932002 (Other Caregiver) MUST be used. In this case, the originalText element MUST contain the description of the role. Translations to other vocabularies are allowed.	CDA-CH V2
└ @code	cs	1 ... 1	R		
└ @codeSystem	oid	1 ... 1	F	2.16.840.1.113883.6.96	
└ @codeSystemName	st	1 ... 1	F	SNOMED CT	

<p>@displayName</p>	<p>st</p>	<p>1 ... 1 R</p>	<p>CONF</p> <p>The value of @code shall be drawn from value set 2.16.756.5.30.1.127.3.10.1.1.3 <i>EprAuthorRole</i> (DYNAMIC)</p> <p>Example</p> <pre><functionCode code="106292003" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Professional nurse"/></pre> <p>Example</p> <pre><functionCode code="133932002" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Other Caregiver"> <originalText>Home helper</originalText> </functionCode></pre> <p>Example</p> <pre><functionCode code="133932002" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Other Caregiver"> <originalText>Laboratory technician</originalText> <translation code="3212" codeSystem="2.16.840.1.113883.2.9.6.2.7" codeSystemName="ISCO-08" displayName="Medical and pathology laboratory technicians"/> </functionCode></pre> <p>Schematron assert</p> <table border="1"> <tr> <td>role</td> <td>error</td> </tr> <tr> <td>test</td> <td>not(@code='133932002') or (originalText/text())</td> </tr> <tr> <td>Message</td> <td>Other Caregivers description MUST be declared in the originalText element.</td> </tr> </table>	role	error	test	not(@code='133932002') or (originalText/text())	Message	Other Caregivers description MUST be declared in the originalText element.
role	error								
test	not(@code='133932002') or (originalText/text())								
Message	Other Caregivers description MUST be declared in the originalText element.								
<p><i>Included</i></p>	<p>ED</p>	<p>0 ... 1 C</p>	<p>from 2.16.756.5.30.1.1.10.9.49 <i>Original Text Reference</i> (DYNAMIC)</p> <p>The human-readable text MUST be generated automatically from the structured information of this element. The text element MUST contain the reference to the corresponding text in the human readable part, ONLY.</p>						
<p>h17:originalText</p>	<p>ED</p>	<p>0 ... 1 C</p>	<p>CDA-CH V2</p>						

<p>└ h17:reference</p>	<p>TEL</p>	<p>1 ... 1</p>	<p>M</p>	<p>The reference to the corresponding text in the human readable part must be specified by reference to content[@ID]: reference[@value='#xxx']</p>	<p>CDA-CH V2</p>
<p>└ @value</p>	<p>Schematron assert</p> <p>Variable let</p> <p>Schematron assert</p> <p>Schematron assert</p>	<p>1 ... 1</p>	<p>R</p>	<p>Reference to the narrative part of the section in the format '#xxx', where xxx is the ID of the corresponding <content></content> element.</p> <p>role error</p> <p>test starts-with(@value,'#')</p> <p>Message The @value attribute content MUST conform to the format '#xxx', where xxx is the ID of the corresponding <content/> element.</p> <p>Name idvalue</p> <p>Value substring-after(@value,'#')</p> <p>role error</p> <p>test ancestor::h17:structuredBody//*[@ID=\$idvalue]</p> <p>Message No narrative text found for this reference (no content element within this document has an ID that corresponds to '<value-of select="\$idvalue"/>').</p> <p>role error</p> <p>test parent::*<text()=ancestor::h17:structuredBody//*[@ID=\$idvalue]/text()</p> <p>Message The originalText content MUST be identical to the narrative text for this reference.</p>	
<p>└ h17:translation</p>		<p>0 ... *</p>		<p>A translation of the code to another coding system.</p>	<p>CDA-CH V2</p>
<p>└ @code</p>	<p>CS</p>	<p>1 ... 1</p>	<p>R</p>		


└ @codeSystem	oid	1 ... 1	R		
└ @codeSystemName	st	1 ... 1	R		
└ @displayName	st	1 ... 1	R		
h17:addr	AD	1 ... *	R	The assigned entity's address. Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA-CH V2
				 h17chcda-dataelement-47  addressInformation  CDA-CH V2 2017	
h17:telecom	TEL	1 ... *	R	The assigned entity's means of communication (phone, eMail, ...).	CDA-CH V2
h17:assignedPerson		0 ... 1		The assigned person. Contains 2.16.756.5.30.1.1.10.9.34 <i>Person Name Information Compilation - eCH-0011</i> (DYNAMIC)	CDA-CH V2
h17:representedOrganization		0 ... 1		The assigned organization. Contains 2.16.756.5.30.1.1.10.9.27 <i>Organization Compilation with name, addr, telecom</i> (DYNAMIC)	CDA-CH V2

1.5.3 AssignedEntity Compilation for Laboratory

Id	2.16.756.5.30.1.1.10.9.47	Effective Date	2018-04-19 Other versions this id:
Status	 Under pre-publication review	Version Label	2018
Name	cdachrep_header_AssignedEntityForLaboratory	Display Name	AssignedEntity Compilation for Laboratory
Description	Reusable template for assigned entities a CDA-CH-LREP document.		
Context	Pathname		
Label	CDA-CH-LREP		
Classification	Template type not specified		
Open/Closed	Open (other than defined elements are allowed)		
Uses	Uses 3 templates		
	Uses	as	Name
	2.16.756.5.30.1.1.10.9.35	Containment 	Address Information Compilation - eCH-0010 (2017)
	2.16.756.5.30.1.1.10.9.34	Containment 	Person Name Information Compilation - eCH-0011 (2017)
2.16.756.5.30.1.1.10.9.27	Containment 	Organization Compilation with name, addr, telecom (2017)	
Relationship	Specialization: template 2.16.840.1.113883.10.12.153 (2005-09-07)		
Example	<p>Example</p> <pre> <assignedEntity> <id root="2.51.1.3" extension="7601111111111111"/> <addr> <!-- template 2.16.756.5.30.1.1.10.9.35 'Address Information Compilation - eCH-0010' --> </addr> <telecom value="tel:+41.33.123.45.67"/> </assignedPerson> </pre>		

```
<!-- template 2.16.756.5.30.1.1.10.9.34 'Person Name Information Compilation - eCH-0011' -->
</assignedPerson>
<representedOrganization>
  <!-- template 2.16.756.5.30.1.1.10.9.27 'Organization Compilation with name, addr, telecom' -->
</representedOrganization>
</assignedEntity>
```









Item	DT	Card	Conf	Description	Label
	Schematron assert	role	error		
		test		(hl7:telecom[@use='PUB' and starts-with(@value,'tel:+')] and (hl7:telecom[@use='PUB' and starts-with(@value,'mailto:')])	
		Message		A public telephone number in the international format and a public eMail address are required.	
	Schematron assert	role	error		
		test		(hl7:addr[@use='PUB'])	
		Message		A public address is required.	
hl7:id	II	1 ... *	R	A GS1 GLN is required. If it is not (yet) known, this MUST be declared using nullFlavor.	CDA-...LREP
└ @nullFlavor	CS	0 ... 1	F	NAV Temporarily unknown, will be filled later.	
└ @root	CS	0 ... 1	F	2.51.1.3 OID for GS1 GLN.	

L @extension	st	0 ... 1		The GS1 GLN.	
	Schematron assert	role		error	
		test		(@root='2.51.1.3' and @extension) or (@nullFlavor='NAV')	
		Message		Either the GS1 GLN or nullFlavor='NAV' is required.	
h17:addr	AD	1 ... *	R	Address of the laboratory. Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA-...LREP
h17:telecom	TEL	1 ... *	R	Phone and eMail of the laboratory.	CDA-...LREP
h17:assignedPerson		0 ... 1		All persons and organizations, MUST according to XD-LAB contain name, addr and telecom. Contains 2.16.756.5.30.1.1.10.9.34 <i>Person Name Information Compilation - eCH-0011</i> (DYNAMIC)	CDA-...LREP
h17:representedOrganization		0 ... 1		All persons and organizations, MUST according to XD-LAB contain name, addr and telecom. Contains 2.16.756.5.30.1.1.10.9.27 <i>Organization Compilation with name, addr, telecom</i> (DYNAMIC)	CDA-...LREP

1.5.4 Author Compilation with name

Id 2.16.756.5.30.1.1.10.9.48

Effective Date 2018-04-18

			Other versions this id:	
Status	 Active	Version Label	2017	
Name	cdach_other_AuthorCompilationWithName	Display Name	Author Compilation with name	
Description	Reusable template wherever an author with required name is used in a CDA-CH V2 document. CDA-CH V2 derivatives, i.e. Swiss exchange formats MAY use this template by either reference or specialisation.			
Context	Pathname			
Label	CDA-CH V2			
Classification	Template type not specified			
Open/Closed	Open (other than defined elements are allowed)			
Associated with	Associated with 2 concepts			
	Id	Name	Data Set	
	hl7chcda-dataelement-234	 Health facility	 CDA-CH V2 2017	
hl7chcda-dataelement-162	 personIdentification	 CDA-CH V2 2017		
Uses	Uses 3 templates			
	Uses	as	Name	Version
	2.16.756.5.30.1.1.10.9.34	Containment 	Person Name Information Compilation - eCH-0011 (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.9.21	Containment 	Device Compilation with name (2017)	DYNAMIC
2.16.756.5.30.1.1.10.9.24	Containment 	Organization Compilation with name (2017)	DYNAMIC	
Relationship	Specialization: template 2.16.840.1.113883.10.12.318 (2005-09-07)			

Example

Sample author

```
<functionCode code="309343006" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Physician"/>
<time value="20170905"/>
<assignedAuthor>
  <id root="2.51.1.3" extension="7608888888888888"/>
  <assignedPerson>
    <name>
      <prefix>Dr. med.</prefix>
      <given>Allzeit</given>
      <family>Bereit</family>
    </name>
  </assignedPerson>
  <representedOrganization>
    <id root="2.51.1.3" extension="7609999999999999"/>
    <name>Gruppenpraxis CH</name>
  </representedOrganization>
</assignedAuthor>
```



Item	DT	Card	Conf	Description	Label
h17:functionCode	CE	1 ... 1	R	The functionCode MUST be taken from the Swiss EPR Value-Set for author roles. See FDHA Ordinance on the Electronic Patient Record (EPRO-FDHA), Appendix 3: Metadata, Section 2.1. If the desired functionCode is not available in the Swiss EPR Value-Set for author roles, nullFlavor='NAV' MUST be used. In this case, the originalText element MUST contain the description of the role. Translations to other vocabularies are allowed.	CDA-CH V2
└ @nullFlavor	st	0 ... 1	F	NAV	
└ @code	cs	0 ... 1			
└ @codeSystem	oid	0 ... 1	F	2.16.840.1.113883.6.96	

└ @codeSystemName

st 0 ... 1 F SNOMED CT

└ @displayName


st 0 ... 1

CONF	The value of @code shall be drawn from value set 2.16.756.5.30.1.127.3.10.1.1.3 <i>EprAuthorRole</i> (DYNAMIC)
Example	<pre>Patient <functionCode code="116154003" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Patient"/></pre>
Example	<pre>Nurse <functionCode code="106292003" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Professional nurse"/></pre>
Example	<pre>Home helper <functionCode nullFlavor="NAV"> <originalText>Home helper</originalText> </functionCode></pre>
Example	<pre>Laboratory technician <functionCode nullFlavor="NAV"> <originalText>Laboratory technician</originalText> <translation code="3212" codeSystem="2.16.840.1.113883.2.9.6.2.7" codeSystemName="ISCO-08" display Name="Medical and pathology laboratory technicians"/> </functionCode></pre>
Schematron assert	role  error
	test (@code and @codeSystem) or (@nullFlavor='NAV')
	Message Either a code with its code system or nullFlavor='NAV' is required.
Schematron assert	role  error
	test not(@nullFlavor) or (hl7:originalText)
	Message Other Caregivers description MUST be declared in the originalText element in case of nullFlavor.

└ h17:translation		0 ... *		A translation of the code to another coding system (e.g. ISCO-08: 2.16.840.1.113883.2.9.6.2.7)	CDA-CH V2
└ @code	cs	1 ... 1	R		
└ @codeSystem	oid	1 ... 1	R		
└ @codeSystemName	st	1 ... 1	R		
└ @displayName	st	1 ... 1	R		
h17:time	TS.CH.TZ	1 ... 1	R	Timestamp of the authorship.	CDA-CH V2
h17:assignedAuthor		1 ... 1	R		CDA-CH V2
	Schematron assert	role	● error		
		test		not(assignedAuthoringDevice/softwareName) or (representedOrganization)	
		Message		For device authors the element representedOrganization is REQUIRED.	
└ h17:id	II	0 ... *		The author's id.	CDA-CH V2

		hl7chcda-dataelement-162		personIdentification	CDA-CH V2 2017
@root	cs	1 ... 1	R	The OID of the system that issued the id. OIDs of code systems, which are published in a public OID registry are REQUIRED. Others are NOT ALLOWED.	
@extension	st	0 ... 1		Contains the ID itself. The ID MUST be unique within the system that issued the ID.	
Choice		1 ... 1		Elements to choose from: <ul style="list-style-type: none"> hl7:assignedPerson containing template 2.16.756.5.30.1.1.10.9.34 <i>Person Name Information Compilation - eCH-0011</i> (DYNAMIC) hl7:assignedAuthoringDevice containing template 2.16.756.5.30.1.1.10.9.21 <i>Device Compilation with name</i> (DYNAMIC) 	
h17:assignedPerson		0 ... 1		The author as a person. Contains 2.16.756.5.30.1.1.10.9.34 <i>Person Name Information Compilation - eCH-0011</i> (DYNAMIC)	
h17:assignedAuthoringDevice		0 ... 1		The author as a device. Contains 2.16.756.5.30.1.1.10.9.21 <i>Device Compilation with name</i> (DYNAMIC)	
h17:representedOrganization		0 ... 1		The author's organization. Contains 2.16.756.5.30.1.1.10.9.24 <i>Organization Compilation with name</i> (DYNAMIC)	
		hl7chcda-dataelement-234		Health facility	CDA-CH V2 2017

1.5.5 Author Compilation with name, addr and telecom





Id	2.16.756.5.30.1.1.10.9.16	Effective Date	2018-04-18 Other versions this id:
Status	 Active	Version Label	2017
Name	cdach_other_AuthorCompilationWithNameAddrTelecom	Display Name	Author Compilation with name, addr and telecom

Description





Reusable template wherever an author with required name, addr and telecom is used in a CDA-CH V2 document. CDA-CH V2 derivatives, i.e. Swiss exchange formats MAY use this template by either reference or specialisation.

Context	Pathname
Label	CDA-CH V2
Classification	Template type not specified
Open/Closed	Open (other than defined elements are allowed)

Associated with 2 concepts




Associated with	Id	Name	Data Set
	hl7chcda-dataelement-234	 Health facility	 CDA-CH V2 2017
	hl7chcda-dataelement-162	 personIdentification	 CDA-CH V2 2017




Uses Uses 4 templates

	Uses	as	Name	Version
	2.16.756.5.30.1.1.10.9.35	Containment	 Address Information Compilation - eCH-0010 (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.9.34	Containment	 Person Name Information Compilation - eCH-0011 (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.9.21	Containment	 Device Compilation with name (2017)	DYNAMIC
	2.16.756.5.30.1.1.10.9.27	Containment	 Organization Compilation with name, addr, telecom (2017)	DYNAMIC
Relationship	Specialization: template 2.16.840.1.113883.10.12.318 (2005-09-07)			
Example	<p>Sample author</p> <pre> <functionCode code="309343006" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Physician"/> <time value="20170905"/> <assignedAuthor> <assignedPerson> <name> <prefix>Dr. med.</prefix> <given>Allzeit</given> <family>Bereit</family> </name> </assignedPerson> <representedOrganization> <name>Gruppenpraxis CH</name> <telecom value="tel:+41.32.234.55.66" use="WP"/> <telecom value="fax:+41.32.234.55.67" use="WP"/> <telecom value="mailto:bereit@gruppenpraxis.ch" use="WP"/> <telecom value="http:www.gruppenpraxis.ch" use="WP"/> <addr use="WP"> <streetName>Doktorgasse</streetName> <houseNumber>2</houseNumber> <city>Musterhausen</city> <postalCode>8888</postalCode> <country>CH</country> </addr> </representedOrganization> </assignedAuthor> </pre>			


Item	DT	Card	Conf	Description	Label
h17:functionCode	CE	1 ... 1	R	The functionCode MUST be taken from the Swiss EPR Value-Set for author roles. See FDHA Ordinance on the Electronic Patient Record (EPRO-FDHA), Appendix 3: Metadata, Section 2.1. If the desired functionCode is not available in the Swiss EPR Value-Set for author roles, nullFlavor='NAV' MUST be used. In this case, the originalText element MUST contain the description of the role. Translations to other vocabularies are allowed.	CDA-CH V2
└ @nullFlavor	st	0 ... 1	F	NAV	
└ @code	cs	0 ... 1			
└ @codeSystem	oid	0 ... 1	F	2.16.840.1.113883.6.96	
└ @codeSystemName	st	0 ... 1	F	SNOMED CT	
└ @displayName	st	0 ... 1			
	CONF			The value of @code shall be drawn from value set 2.16.756.5.30.1.127.3.10.1.1.3 <i>EprAuthorRole</i> (DYNAMIC)	
Example				Patient <functionCode code="116154003" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Patient"/>	
Example				Nurse <functionCode code="106292003" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Professional nurse"/>	
Example				Home helper <functionCode nullFlavor="NAV"> <originalText>Home helper</originalText> </functionCode>	
Example				Laboratory technician <functionCode nullFlavor="NAV">	

				<pre><originalText>Laboratory technician</originalText> <translation code="3212" codeSystem="2.16.840.1.113883.2.9.6.2.7" codeSystemName="ISCO-08" displayName="Medical and pathology laboratory technicians"/> </functionCode></pre>	
Schematron assert		role	error		
Schematron assert		test	(@code and @codeSystem) or (@nullFlavor='NAV')		
		Message	Either a code with its code system or nullFlavor='NAV' is required.		
Schematron assert		role	error		
Schematron assert		test	not(@nullFlavor) or (hl7:originalText)		
		Message	Other Caregivers description MUST be declared in the originalText element in case of nullFlavor.		
h17:translation		0 ... *		A translation of the code to another coding system (e.g. ISCO-08: 2.16.840.1.113883.2.9.6.2.7)	CDA-CH V2
@code	cs	1 ... 1	R		
@codeSystem	oid	1 ... 1	R		
@codeSystemName	st	1 ... 1	R		
@displayName	st	1 ... 1	R		
h17:time	TS.CH.TZ	1 ... 1	R	Timestamp of the authorship.	CDA-CH V2

h17:assignedAuthor		1 ... 1	R		CDA-CH V2
	Schematron assert	role	● error		
		test		not(assignedAuthoringDevice/softwareName) or (representedOrganization)	
		Message		For device authors the element representedOrganization is REQUIRED.	
└ h17:id	II	0 ... *		The author's id.	CDA-CH V2
	 hl7chcda-dataelement-162  personIdentification  CDA-CH V2 2017				
└ @root	cs	1 ... 1	R	The OID of the system that issued the id. OIDs of code systems, which are published in a public OID registry are REQUIRED. Others are NOT ALLOWED.	
└ @extension	st	0 ... 1		Contains the ID itself. The ID MUST be unique within the system that issued the ID.	
└ h17:addr	AD	1 ... *	R	The author's address. Contains 2.16.756.5.30.1.1.10.9.35 Address Information Compilation - eCH-0010 (DYNAMIC)	CDA-CH V2
└ h17:telecom	TEL	1 ... *	R	The author's means of communication (phone, eMail, ...).	CDA-CH V2
Choice		1 ... 1		Elements to choose from:	

				<ul style="list-style-type: none"> ▪ hl7:assignedPerson containing template 2.16.756.5.30.1.1.10.9.34 <i>Person Name Information Compilation - eCH-0011</i> (DYNAMIC) ▪ hl7:assignedAuthoringDevice containing template 2.16.756.5.30.1.1.10.9.21 <i>Device Compilation with name</i> (DYNAMIC) 	
└─ hl7:assignedPerson		0 ... 1		The author as a person. Contains 2.16.756.5.30.1.1.10.9.34 <i>Person Name Information Compilation - eCH-0011</i> (DYNAMIC)	CDA-CH V2
└─ hl7:assignedAuthoringDevice		0 ... 1		The author as a device. Contains 2.16.756.5.30.1.1.10.9.21 <i>Device Compilation with name</i> (DYNAMIC)	CDA-CH V2
└─ hl7:representedOrganization		0 ... 1		The author's organization. Contains 2.16.756.5.30.1.1.10.9.27 <i>Organization Compilation with name, addr, telecom</i> (DYNAMIC)	CDA-CH V2
 hl7chcda-dataelement-234  Health facility  CDA-CH V2 2017					

1.5.6 Device Compilation with name

Id	2.16.756.5.30.1.1.10.9.21
Status	 Active

Effective Date	2018-04-18 Other versions this id:
Version Label	2017

Name	cdach_other_DeviceCompilationWithName	Display Name	Device Compilation with name
-------------	---------------------------------------	---------------------	------------------------------

Description

Reusable template wherever a device with required name is used in a CDA-CH V2 document. CDA-CH V2 derivatives, i.e. Swiss exchange formats MAY use this template by either reference or specialisation.
 A device is either a physical device (e.g. analyzer with which laboratory results are determined) or a software (e.g. laboratory information system, in which laboratory results are documented).

Context	Pathname
Label	CDA-CH V2
Classification	Template type not specified
Open/Closed	Open (other than defined elements are allowed)
Relationship	Specialization: template 2.16.840.1.113883.10.12.315 (2005-09-07)


Example	Software
	<pre><manufacturerModelName>4.0</manufacturerModelName> <softwareName>New generation KIS</softwareName></pre>

Example	Physical device
	<pre><manufacturerModelName>w872</manufacturerModelName> <softwareName>Pipette laboratory analyzer</softwareName></pre>

Item	DT	Card	Conf	Description	Label
------	----	------	------	-------------	-------

<code>h17:manufacturerModelName</code>	SC	0 ... 1	The model name of the device MAY be declared.	CDA-CH V2
<code>h17:softwareName</code>	SC	1 ... 1 R	The name of the device MUST be declared. Note: Although this element is called softwareName, it contains also the name of physical devices (e.g. laboratory analyzer).	CDA-CH V2

1.5.7 Laboratory Results Validator - authenticator/participant Containment







Id	2.16.756.5.30.1.1.10.4.8	Effective Date	2017-06-21 Other versions this id:
Status	 Under pre-publication review	Version Label	2017
Name	chpalm_entry_LaboratoryResultsValidator	Display Name	Laboratory Results Validator - authenticator/participant Containment

Description

The document MAY contain further signatures (besides the legal authenticator). A Laboratory Results Validator is such an authenticator. It is a laboratory specialist who has performed the clinical validation of the entire document or a subset of the laboratory results. If this element is specified, the following applies:

- If only one laboratory specialist has carried out the clinical validation of the document, it should be specified in the header, only.

- If multiple laboratory specialists were involved in the clinical validation of the document, all must be specified in the header and body (at entry, organizer or observation level, depending on the scope of the results that the corresponding person has validated).
- All persons and organizations, MUST according to XD-LAB contain name, addr and telecom.

Context	Sibling nodes of template element with id 2.16.756.5.30.1.1.10.4.8												
Label	IHE PaIM TF3 Rev.8, 6.3.2.16												
Classification	CDA Entry Level Template												
Open/Closed	Open (other than defined elements are allowed)												
Uses	Uses 2 templates												
	<table border="1"> <thead> <tr> <th>Uses</th> <th>as</th> <th>Name</th> <th>Version</th> </tr> </thead> <tbody> <tr> <td>2.16.756.5.30.1.1.10.9.35</td> <td>Containment</td> <td> Address Information Compilation - eCH-0010 (2017)</td> <td>DYNAMIC</td> </tr> <tr> <td>2.16.756.5.30.1.1.10.9.20</td> <td>Containment</td> <td> PlayingEntity Compilation with name (2017)</td> <td>DYNAMIC</td> </tr> </tbody> </table>	Uses	as	Name	Version	2.16.756.5.30.1.1.10.9.35	Containment	 Address Information Compilation - eCH-0010 (2017)	DYNAMIC	2.16.756.5.30.1.1.10.9.20	Containment	 PlayingEntity Compilation with name (2017)	DYNAMIC
	Uses	as	Name	Version									
2.16.756.5.30.1.1.10.9.35	Containment	 Address Information Compilation - eCH-0010 (2017)	DYNAMIC										
2.16.756.5.30.1.1.10.9.20	Containment	 PlayingEntity Compilation with name (2017)	DYNAMIC										
Relationship	Specialization: template 2.16.840.1.113883.10.12.107 (2005-09-07) Specialization: template 1.3.6.1.4.1.19376.1.3.3.1.5 (DYNAMIC)												
Example	<p>Example</p> <pre><participant typeCode="AUTHEN"> <templateId root="2.16.756.5.30.1.1.10.4.8"/> <templateId root="1.3.6.1.4.1.19376.1.3.3.1.5"/> <participantRole> <addr> <!-- template 2.16.756.5.30.1.1.10.9.35 'Address Information Compilation - eCH-0010' --> </addr> </participantRole> </participant></pre>												

```

<telecom value="tel:+41.33.123.45.67 "/>
<playingEntity>
  <!-- template 2.16.756.5.30.1.1.10.9.20 'PlayingEntity Compilation with name' -->
</playingEntity>
</participantRole>
</participant>
    
```

Item	DT	Card	Conf	Description	Label
@typeCode	CS	1 ... 1	F	AUTHEN	
h17:templateId	II	1 ... 1	M		IHE PaIM TF3 Rev.8, 6.3.2.16
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.4.8	
h17:templateId	II	1 ... 1	M		IHE PaIM TF3 Rev.8, 6.3.2.16
└ @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.3.3.1.5	
h17:participantRole		1 ... 1	R		IHE PaIM TF3 Rev.8, 6.3.2.16

└ h17:addr	AD	1 ... *	All persons and organizations, MUST according to XD-LAB contain name, addr and telecom. Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.2.16
└ h17:telecom	TEL	1 ... *	All persons and organizations, MUST according to XD-LAB contain name, addr and telecom.	IHE PaIM TF3 Rev.8, 6.3.2.16
└ h17:playingEntity			Contains 2.16.756.5.30.1.1.10.9.20 <i>PlayingEntity Compilation with name</i> (DYNAMIC)	IHE PaIM TF3 Rev.8, 6.3.2.16

1.5.8 Narrative Text Reference

Id	2.16.756.5.30.1.1.10.9.14	Effective Date	2018-04-18 Other versions this id:
Status	● Active	Version Label	2017
Name	cdach_other_TextElementWithReferenceToNarrativeText	Display Name	Narrative Text Reference

Description

Reusable template wherever a text reference to the corresponding text in the human readable part (narrative text) is used in a CDA-CH V2 document. CDA-CH V2 derivatives,

i.e. Swiss exchange formats MAY use this template by either reference or specialisation.

Context	Pathname
Label	CDA-CH V2
Classification	Template type not specified
Open/Closed	Open (other than defined elements are allowed)
Example	<p>Example</p> <pre><text> <reference value="#nartext1"/> </text></pre>

Item	DT	Card	Conf	Description	Label
h17:text	ED	1 ... 1	M		CDA-CH V2
└ h17:reference	TEL	1 ... 1	M	The reference to the corresponding text in the human readable part must be specified by reference to content[@ID]: reference[@value='#xxx']	CDA-CH V2
└ @value		1 ... 1	R	Reference to the narrative part of the section in the format '#xxx', where xxx is the ID of the corresponding <content></content> element.	

Schematron assert	role	error
	test	starts-with(@value,'#')
	Message	The @value attribute content MUST conform to the format '#xxx', where xxx is the ID of the corresponding <code><content/></code> element.
Variable let	Name	idvalue
	Value	substring-after(@value,'#')
Schematron assert	role	error
	test	ancestor::hl7:structuredBody//*[<code>@ID=\$idvalue</code>]
	Message	No narrative text found for this reference (no content element within this document has an ID that corresponds to ' <code><value-of select="\$idvalue"/></code> ').

1.5.9 Organization Compilation with name, addr, telecom

Id	2.16.756.5.30.1.1.10.9.27	Effective Date	2018-04-18 Other versions this id:
Status	Active	Version Label	2017
Name	cdach_other_OrganizationCompilationWithNameAddrTelecom	Display Name	Organization Compilation with name, addr, telecom
















Description

Reusable template wherever an organization with required name, address and communication means is used in a CDA-CH V2 document. CDA-CH V2 derivatives, i.e. Swiss ex-

change formats MAY use this template by either reference or specialisation.

Context	Pathname			
Label	CDA-CH V2			
Classification	Template type not specified			
Open/Closed	Open (other than defined elements are allowed)			
Associated with	Associated with 4 concepts			
	Id	Name	Data Set	
	hl7chcda-dataelement-75	● organisationNameAddOn2	● CDA-CH V2 2017	
	hl7chcda-dataelement-73	● organisationName	● CDA-CH V2 2017	
	hl7chcda-dataelement-77	● addressInformation	● CDA-CH V2 2017	
hl7chcda-dataelement-74	● organisationNameAddOn1	● CDA-CH V2 2017		
Uses	Uses 1 template			
	Uses	as	Name	Version
	2.16.756.5.30.1.1.10.9.35	Containment ●	Address Information Compilation - eCH-0010 (2017)	DYNAMIC
Relationship	Specialization: template 2.16.756.5.30.1.1.10.9.24 (DYNAMIC)			

<p>Example</p>	<p>Example</p> <pre> <name>Fuchsbau Medical Services AG</name> <telecom value="tel:+41.99.888.77.66" use="WP"/> <telecom value="mailto:info@fuchsbau-medical-services.ch" use="WP"/> <telecom value="https://fuchsbau-medical-services.ch" use="WP"/> <addr> <streetName>Specimengasse</streetName> <houseNumber>99</houseNumber> <city>Musterhausen</city> <postalCode>9999</postalCode> <country>CH</country> </addr> </pre>
----------------	---

Item	DT	Card	Conf	Description	Label						
h17:id	II	0 ... *	R	The organization's id.	CDA-CH V2						
└ @root	uid	1 ... 1	R	The OID of the system that issued the id. OIDs of code systems, which are published in a public OID registry are REQUIRED. Others are NOT ALLOWED.							
└ @extension	st	0 ... 1		Contains the ID itself. The ID MUST be unique within the system that issued the ID.							
h17:name	ON	1 ... *	R	The organization's name.	CDA-CH V2						
<table border="0"> <tr> <td> h17chcda-dataelement-75</td> <td> organisationNameAddOn2</td> <td> CDA-CH V2 2017</td> </tr> <tr> <td>h17chcda-dataelement-73</td> <td> organisationName</td> <td> CDA-CH V2 2017</td> </tr> </table>						 h17chcda-dataelement-75	 organisationNameAddOn2	 CDA-CH V2 2017	h17chcda-dataelement-73	 organisationName	 CDA-CH V2 2017
 h17chcda-dataelement-75	 organisationNameAddOn2	 CDA-CH V2 2017									
h17chcda-dataelement-73	 organisationName	 CDA-CH V2 2017									

		hl7chcda-dataelement-74		organisationNameAddOn1	CDA-CH V2 2017
hl7:telecom	TEL	1 ... *	R	The organization's means of communication (phone, eMail, ...).	CDA-CH V2
hl7:addr	AD	1 ... *	R	The organization's address. Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010 (DYNAMIC)</i>	CDA-CH V2
		hl7chcda-dataelement-77		addressInformation	CDA-CH V2 2017

1.5.10 Original Text Reference

Id	2.16.756.5.30.1.1.10.9.49	Effective Date	2018-04-18 Other versions this id:
Status	● Active	Version Label	2017
Name	cdach_other_OriginalTextElementWithReferenceToNarrativeText	Display Name	Original Text Reference

Description

Reusable template wherever a original text reference to the corresponding text in the human readable part (narrative text) is used in a CDA-CH V2 document. CDA-CH V2 derivatives, i.e. Swiss exchange formats MAY use this template by either reference or specialisation.

Context	Pathname
Label	CDA-CH V2
Classification	Template type not specified
Open/Closed	Open (other than defined elements are allowed)
Example	Example
	<pre><originalText> demo <reference value="#nartext1"/> </originalText></pre>

Item	DT	Card	Conf	Description	Label
h17:originalText	ED	0 ... 1	C		CDA-CH V2
└ h17:reference	TEL	1 ... 1	M	The reference to the corresponding text in the human readable part must be specified by reference to content[@ID]: reference[@value='#xxx']	CDA-CH V2
└ @value		1 ... 1	R	Reference to the narrative part of the section in the format '#xxx', where xxx is the ID of the corresponding <content></content> element.	
Schematron assert		role	● error		
		test	starts-with(@value,'#')		
		Message	The @value attribute content MUST conform to the format '#xxx', where xxx is the ID of the corresponding <content/> element.		

Variable let	Name	idvalue
	Value	substring-after(@value,'#')
Schematron assert	role	error
	test	ancestor::hl7:structuredBody//*[@ID=\$idvalue]
	Message	No narrative text found for this reference (no content element within this document has an ID that corresponds to '<value-of select="\$idvalue"/>').
Schematron assert	role	error
	test	parent::* /text()=ancestor::hl7:structuredBody//*[@ID=\$idvalue]/text()
	Message	The originalText content MUST be identical to the narrative text for this reference.

1.5.11 Performer

Id	2.16.756.5.30.1.1.10.9.31	Effective Date	2018-04-18 Other versions this id:
Status	Active	Version Label	2017
Name	cdach_other_Performer	Display Name	Performer

Description

Reusable template wherever a healthcare provider who was the primary performer of an act is used in a CDA-CH V2 document. CDA-CH V2 derivatives, i.e. Swiss exchange formats MAY use this template by either reference or specialisation.

Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.9.31
----------------	--

Classification	Template type not specified											
Open/Closed	Open (other than defined elements are allowed)											
Uses	Uses 2 templates											
	<table border="1"> <thead> <tr> <th>Uses</th> <th>as</th> <th>Name</th> <th>Version</th> </tr> </thead> <tbody> <tr> <td>2.16.756.5.30.1.1.10.9.49</td> <td>Include</td> <td>Original Text Reference (2017)</td> <td>DYNAMIC</td> </tr> <tr> <td>2.16.756.5.30.1.1.10.9.32</td> <td>Containment</td> <td>Assigned Entity Compilation with id, name, addr, telecom, person and organization (2017)</td> <td>DYNAMIC</td> </tr> </tbody> </table>	Uses	as	Name	Version	2.16.756.5.30.1.1.10.9.49	Include	Original Text Reference (2017)	DYNAMIC	2.16.756.5.30.1.1.10.9.32	Containment	Assigned Entity Compilation with id, name, addr, telecom, person and organization (2017)
Uses	as	Name	Version									
2.16.756.5.30.1.1.10.9.49	Include	Original Text Reference (2017)	DYNAMIC									
2.16.756.5.30.1.1.10.9.32	Containment	Assigned Entity Compilation with id, name, addr, telecom, person and organization (2017)	DYNAMIC									
Relationship	Specialization: template 1.3.6.1.4.1.19376.1.5.3.1.1.24.3.5 (2017-04-13 21:00:16)											
Example	Example											
	<pre> <performer typeCode="PRF"> <templateId root="2.16.756.5.30.1.1.10.9.31"/> <templateId root="1.3.6.1.4.1.19376.1.5.3.1.1.24.3.5"/> <functionCode code="309343006" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Physician"/> <time> <low nullFlavor="NASK"/> <high nullFlavor="NASK"/> </time> <assignedEntity> <id root="2.999" extension="p98457u-"/> <functionCode code="309343006" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Physician"/> <addr use="WP"> <streetName>Doktorgasse</streetName> <houseNumber>2</houseNumber> <city>Musterhausen</city> <postalCode>8888</postalCode> <country>CH</country> </addr> <telecom value="tel:+41.32.234.55.66" use="WP"/> <telecom value="fax:+41.32.234.55.67" use="WP"/> <telecom value="mailto:bereit@gruppenpraxis.ch" use="WP"/> <telecom value="http:www.gruppenpraxis.ch" use="WP"/> </assignedPerson> </pre>											

```

<name>
  <given>Allzeit</given>
  <family>Bereit</family>
  <prefix>Dr. med.</prefix>
</name>
</assignedPerson>
<representedOrganization>
  <id root="2.51.1.3" extension="7609999999999999999"/>
  <name>Gruppenpraxis CH</name>
  <telecom value="tel:+41.32.234.55.66" use="WP"/>
  <telecom value="fax:+41.32.234.55.67" use="WP"/>
  <telecom value="mailto:bereit@gruppenpraxis.ch" use="WP"/>
  <telecom value="http:www.gruppenpraxis.ch" use="WP"/>
  <addr use="WP">
    <streetName>Doktorgasse</streetName>
    <houseNumber>2</houseNumber>
    <city>Musterhausen</city>
    <postalCode>8888</postalCode>
    <country>CH</country>
  </addr>
</representedOrganization>
</assignedEntity>
</performer>

```

Item	DT	Card	Conf	Description	Label
h17:performer				Information about a healthcare provider who was the primary performer of the act.	(cda...mer)
L @typeCode	CS	1 ... 1	F	PRF	

└ h17:templateId	II	1 ... 1	M		(cda...mer)
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.9.31	
└ h17:templateId		1 ... 1	R		(cda...mer)
└ @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.5.3.1.1.24.3.5	
└ h17:functionCode	CE	1 ... 1	R	The functionCode MUST be taken from the Swiss EPR Value-Set for author roles. See FDHA Ordinance on the Electronic Patient Record (EPRO-FDHA), Appendix 3: Metadata, Section 2.1. If the desired functionCode is not available in the Swiss EPR Value-Set for author roles, the code 133932002 (Other Caregiver) MUST be used. In this case, the originalText element MUST contain the description of the role. Translations to other vocabularies are allowed.	(cda...mer)
└ @code	cs	1 ... 1	R		
└ @codeSystem	oid	1 ... 1	F	2.16.840.1.113883.6.96	
└ @codeSystemName	st	1 ... 1	F	SNOMED CT	
└ @displayName	st	1 ... 1	R		
	CONF	The value of @code shall be drawn from value set 2.16.756.5.30.1.127.3.10.1.1.3 <i>EprAuthorRole</i> (DYNAMIC)			

Example	<pre><functionCode code="106292003" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Professional nurse"/></pre>
Example	<pre><functionCode code="133932002" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Other Caregiver"> <originalText>Home helper</originalText> </functionCode></pre>
Example	<pre><functionCode code="133932002" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Other Caregiver"> <originalText>Laboratory technician</originalText> <translation code="3212" codeSystem="2.16.840.1.113883.2.9.6.2.7" codeSystemName="ISCO-08" displayName="Medical and pathology laboratory technicians"/> </functionCode></pre>

Schematron assert	role	error
	test	not(@code='133932002') or (hl7:originalText/text())
	Message	Other Caregivers description MUST be declared in the originalText element.

Included **0 ... 1** **C** from 2.16.756.5.30.1.1.10.9.49 *Original Text Reference* (DYNAMIC)
 The human-readable text MUST be generated automatically from the structured information of this element. The text element MUST contain the reference to the corresponding text in the human readable part, ONLY.

L hl7:originalText	ED	0 ... 1	C		CDA-CH V2
L hl7:reference	TEL	1 ... 1	M	The reference to the corresponding text in the human readable part must be specified by reference to content[@ID]: reference[@value='#xxx']	CDA-CH V2

L @value **1 ... 1** **R** Reference to the narrative part of the section in the format '#xxx', where xxx is the ID of the corresponding <content></content> element.

Schematron assert	role	error
-------------------	------	-------

			test	starts-with(@value,'#')		
			Message	The @value attribute content MUST conform to the format '#xxx', where xxx is the ID of the corresponding <content/> element.		
	Variable let		Name	idvalue		
			Value	substring-after(@value,'#')		
	Schematron assert		role	error		
			test	ancestor::hl7:structuredBody//*[@ID=\$idvalue]		
			Message	No narrative text found for this reference (no content element within this document has an ID that corresponds to '<value-of select="\$idvalue"/>').		
	Schematron assert		role	error		
			test	parent::*[text()=ancestor::hl7:structuredBody//*[@ID=\$idvalue]/text()]		
			Message	The originalText content MUST be identical to the narrative text for this reference.		
	└ h17:translation		0 ... *		A translation of the code to another coding system (e.g. ICSO-08: 2.16.840.1.113883.2.9.6.2.7)	(cda...mer)
	└ @code	cs	1 ... 1	R		
	└ @codeSystem	oid	1 ... 1	R		
	└ @codeSystemName	st	1 ... 1	R		
	└ @displayName	st	1 ... 1	R		

└ h17:time	IVL_TS.CH.TZ	0 ... 1		Duration of the performance.	(cda...mer)
└ h17:low	TS.CH.TZ	1 ... 1	R	Start of the performance.	(cda...mer)
└ h17:high	TS.CH.TZ	1 ... 1	R	End of the performance.	(cda...mer)
└ h17:assignedEntity		1 ... 1	R	Contains 2.16.756.5.30.1.1.10.9.32 <i>Assigned Entity Compilation with id, name, addr, telecom, person and organization</i> (DYNAMIC)	(cda...mer)

1.5.12 Person Name Information Compilation - eCH-0011

Id	2.16.756.5.30.1.1.10.9.34	Effective Date	2018-04-18 Other versions this id:
Status	● Active	Version Label	2017
Name	cdach_other_PersonNameInformationCompilation-eCH-0011	Display Name	Person Name Information Compilation - eCH-0011

Description

Person name information (with required family and given name) according to the eCH-0011 V8.1 nameData data type. CDA-CH V2 derivatives, i.e. Swiss exchange formats MAY use this template by either reference or specialisation.

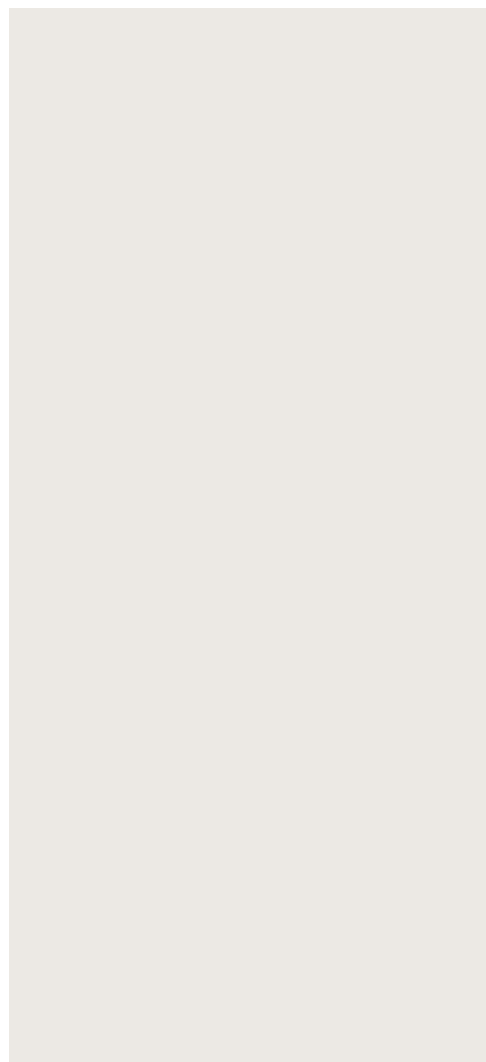
See <https://www.ech.ch/vechweb/page?p=dossier&documentNumber=eCH-0011&documentVersion=8.1>, section 3.3.2 nameData – Namensangaben for more information.

Context	Pathname
Label	eCH-0011 V8.1 nameData
Classification	Template type not specified
Open/Closed	Open (other than defined elements are allowed)

Associated with 20 concepts

Id	Name	Data Set
hl7chcda-dataelement-167	officialName	CDA-CH V2 2017
hl7chcda-dataelement-224	Names	CDA-CH V2 2017
hl7chcda-dataelement-44	title	CDA-CH V2 2017
hl7chcda-dataelement-225	First names	CDA-CH V2 2017
hl7chcda-dataelement-173	callName	CDA-CH V2 2017
hl7chcda-dataelement-232	First names	CDA-CH V2 2017
hl7chcda-dataelement-237	First names	CDA-CH V2 2017




Associated with



hl7chcda-dataelement-156	● nameData	● CDA-CH V2 2017
hl7chcda-dataelement-178	● firstName	● CDA-CH V2 2017
hl7chcda-dataelement-177	● name	● CDA-CH V2 2017
hl7chcda-dataelement-180	● firstName	● CDA-CH V2 2017
hl7chcda-dataelement-179	● name	● CDA-CH V2 2017
hl7chcda-dataelement-45	● firstName	● CDA-CH V2 2017
hl7chcda-dataelement-172	● otherName	● CDA-CH V2 2017
hl7chcda-dataelement-169	● originalName	● CDA-CH V2 2017
hl7chcda-dataelement-171	● aliasName	● CDA-CH V2 2017
hl7chcda-dataelement-231	● Name	● CDA-CH V2 2017
hl7chcda-dataelement-168	● firstName	● CDA-CH V2 2017
hl7chcda-dataelement-46	● lastName	● CDA-CH V2 2017
hl7chcda-dataelement-236	● Name	● CDA-CH V2 2017







Example	<p>Minimal name</p> <pre><name> <family>Muster</family> <given>Hildegard</given> </name></pre>
Example	<p>Maiden name</p> <pre><!-- @use attribute is optional, here --> <name use="L"> <family>Muster</family> <given>Hildegard</given> <!-- @qualifier attribute indicates the maiden name --> <family qualifier="BR">Hugentobler</family> </name></pre>
Example	<p>Call name</p> <pre><!-- @use attribute is optional, here --> <name use="L"> <family>Muster</family> <given>Hildegard</given> <!-- @qualifier attribute indicates the call name --> <given qualifier="CL">Hildi</given> </name></pre>
Example	<p>Pseudonym</p> <pre><!-- @use attribute is optional for the legal name --></pre>

	<pre> <name use="L"> <family>Muster</family> <given>Hildegard</given> </name> <!-- @use attribute indicates that this name is a pseudonym (Artist, VIP, etc.) --> <name use="P"> <family>Lady</family> <given>Vip</given> </name> </pre>
<p>Example</p>	<p>Other official Name</p> <pre> <!-- @use attribute is optional for the legal name --> <name use="L"> <family>Muster</family> <given>Hildegard</given> </name> <!-- @use attribute indicates that this is another assigned name --> <name use="ASGN"> <family>Sans-Papier</family> <given>Helen</given> </name> </pre>

Item	DT	Card	Conf	Description	Label
<p>hl7:name</p>	<p>PN</p>	<p>1 ... 1</p>	<p>R</p>	<p>The person's legal name (with required family and given name).</p>	<p>eCH-0011 V8.1 nameData</p>
<p>  hl7hcda-dataelement-156  nameData  CDA-CH V2 2017 </p>					

<p>└ @use</p>	<p>set_cs 0 ... 1 F</p>	<p>└ Legal. This is the default. Thus, name elements without @use are legal names.</p>	
<p>└ hl7:prefix</p>	<p>ENXP 0 ... *</p>	<p>The person's academic title (such as Dr. med. or Prof.).</p>	<p>eCH-0011 V8.1 nameData</p>
<p>hl7chcda-dataelement-44 title CDA-CH V2 2017</p>			
<p>└ @qualifier</p>	<p>set_cs 1 ... 1 F</p>	<p>AC Academic.</p>	
<p>└ hl7:family</p>	<p>ENXP 1 ... * R</p>	<p>The person's family name ([ge]: Nachname; [fr]: nom de famille).</p>	<p>eCH-0011 V8.1 nameData</p>
<p>hl7chcda-dataelement-167 officialName CDA-CH V2 2017 hl7chcda-dataelement-224 Names CDA-CH V2 2017 hl7chcda-dataelement-231 Name CDA-CH V2 2017 hl7chcda-dataelement-46 lastName CDA-CH V2 2017 hl7chcda-dataelement-236 Name CDA-CH V2 2017</p>			
<p>└ @qualifier</p>	<p>set_cs 0 NP</p>	<p>NP/not present Default.</p>	

<p>└ h17:family</p>	<p>ENXP 0 ... *</p>		<p>The person's maiden name ([ge]: Ledigname; [fr]: nom de célibataire).</p>	<p>eCH-0011 V8.1 nameData</p>
<p>hl7chcda-dataelement-169 originalName CDA-CH V2 2017</p>				
<p>└ @qualifier</p>	<p>set_cs 1 ... 1 F</p>	<p>BR</p>	<p>Birth name.</p>	
<p>└ h17:given</p>	<p>ENXP 1 ... * R</p>		<p>The person's given name ([ge]: Vorname; [fr]: prénom).</p>	<p>eCH-0011 V8.1 nameData</p>
<p>hl7chcda-dataelement-225 First names CDA-CH V2 2017 hl7chcda-dataelement-232 First names CDA-CH V2 2017 hl7chcda-dataelement-237 First names CDA-CH V2 2017 hl7chcda-dataelement-45 firstName CDA-CH V2 2017 hl7chcda-dataelement-168 firstName CDA-CH V2 2017</p>				
<p>└ @qualifier</p>	<p>set_cs 0</p>	<p>NP</p>	<p>NP/not present Default.</p>	
<p>└ h17:given</p>	<p>ENXP 0 ... *</p>		<p>The person's call name ([ge]: Rufname; [fr]: nom usuel).</p>	<p>eCH-0011 V8.1 nameData</p>

<div style="border: 1px solid black; padding: 2px; display: flex; justify-content: space-between; align-items: center;">  hl7chcda-dataelement-173  callName  CDA-CH V2 2017 </div>					
└ @qualifier	set_cs	1 ... 1	F	CL Callme.	
hl7:name	PN	0 ... *		The person's alias name.	eCH-0011 V8.1 nameData
└ @use	set_cs	1 ... 1	F	P Pseudonym.	
└ hl7:prefix	ENXP	0 ... *		The person's title.	eCH-0011 V8.1 nameData
└ @qualifier	set_cs	1 ... 1	F	TITLE Title.	
└ hl7:family	ENXP	0 ... *		The person's pseudonym family name ([ge]: Nachname; [fr]: nom de famille).	eCH-0011 V8.1 nameData
<div style="border: 1px solid black; padding: 2px; display: flex; justify-content: space-between; align-items: center;">  hl7chcda-dataelement-171  aliasName  CDA-CH V2 2017 </div>					
└ @qualifier	set_cs	0		NP NP/not present	

				Default.	
└ h17:given	ENXP	0 ... *		The person's pseudonym given name ([ge]: Vorname; [fr]: prénom).	eCH-0011 V8.1 nameData
└ @qualifier	set_cs	0	NP	NP/not present	
				Default.	
h17:name	PN	0 ... *		Other person's name.	eCH-0011 V8.1 nameData
└ @use	set_cs	1 ... 1	F	ASGN Assigned.	
└ h17:prefix	ENXP	0 ... *		The person's title.	eCH-0011 V8.1 nameData
└ @qualifier	set_cs	1 ... 1	F	TITLE Title.	
└ h17:family	ENXP	0 ... *		Other official person's family name ([ge]: Nachname; [fr]: nom de famille).	eCH-0011 V8.1 nameData

	<ul style="list-style-type: none"> hl7chcda-dataelement-177 name CDA-CH V2 2017 hl7chcda-dataelement-179 name CDA-CH V2 2017 hl7chcda-dataelement-172 otherName CDA-CH V2 2017
└ @qualifier	set_cs 0 NP NP/not present Default.
└ hl7:given	ENXP 0 ... * Other official given name ([ge]: Vorname; [fr]: prénom). eCH-0011 V8.1 nameData
	<ul style="list-style-type: none"> hl7chcda-dataelement-178 firstName CDA-CH V2 2017 hl7chcda-dataelement-180 firstName CDA-CH V2 2017
└ @qualifier	set_cs 0 NP NP/not present Default.

1.5.13 PlayingEntity Compilation with name

Id	2.16.756.5.30.1.1.10.9.20	Effective Date	2018-04-18 Other versions this id:
Status	● Active	Version Label	2017
Name	cdach_other_PlayingEntityCompilationWithName	Display Name	PlayingEntity Compilation with name

Description

Reusable template wherever a playing entity with a required name is used in a CDA-CH V2 document. CDA-CH V2 derivatives, i.e. Swiss exchange formats MAY use this template by either reference or specialisation.

Context	Pathname
Label	CDA-CH V2
Classification	Template type not specified
Open/Closed	Open (other than defined elements are allowed)
Relationship	Specialization: template 2.16.840.1.113883.10.12.313 (2005-09-07)
Example	<p>Name unstructured</p> <pre><name>Muster Franz</name></pre>
Example	<p>Name structured</p> <pre><name> <family>Muster</family> <given>Franz</given> </name></pre>

Item	DT	Card	Conf	Description	Label
------	----	------	------	-------------	-------

h17:name	PN	1	...	*	R	The playing entity's name.	CDA-CH V2
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1.6 Codes und Wertebereiche

1.6.1 ActStatusAbortedCancelledCompleted

Id	2.16.840.1.113883.1.11.20309 ref ad2bbr-	Effective Date	2014-03-26
Status	● Final	Version Label	DEFN=UV=VO=1360-20160323
Name	ActStatusAbortedCancelledCompleted	Display Name	ActStatusAbortedCancelledCompleted
Description	<p>History description 2014-03-26: Lock all vaue sets untouched since 2014-03-26 to trackingId 2014T1_2014_03_26</p> <p>description:</p> <p>Description: The status of an assessment for indications of an abnormal condition.</p>		
Source Code System	2.16.840.1.113883.5.14 - <i>ActStatus</i>		

Level/ Type	Code	Display Name	Code System

0-L	aborted	aborted	ActStatus
0-L	cancelled	cancelled	ActStatus
0-L	completed	completed	ActStatus

Legenda: Type L=leaf, S=specializable, A=abstract, D=deprecated. NullFlavors to appear in @nullFlavor attribute instead of @code.

1.6.2 ActStatusAbortedCompleted

Id	1.3.6.1.4.1.19376.1.3.11.2 ref XDLAB-	Effective Date	2008-08-08
Status	● Final	Version Label	2017
Name	ActStatusAbortedCompleted	Display Name	ActStatusAbortedCompleted
Source Code System	2.16.840.1.113883.5.14 - ActStatus		

Level/ Type	Code	Display Name	Code System
0-L	aborted	aborted	ActStatus
0-L	completed	completed	ActStatus

Legenda: Type L=leaf, S=specializable, A=abstract, D=deprecated. NullFlavors to appear in @nullFlavor attribute instead of @code.

1.6.3 ActStatusCompleted

Id	2.16.840.1.113883.1.11.20025 ref ad2bbr-	Effective Date	2014-03-26								
Status	● Final	Version Label	DEFN=UV=VO=1360-20160323								
Name	ActStatusCompleted	Display Name	ActStatusCompleted								
Description	<p>History description 2014-03-26: Lock all vaue sets untouched since 2014-03-26 to trackingId 2014T1_2014_03_26</p> <p>description:</p> <p>An Act that has terminated normally after all of its constituents have been performed.</p>										
Source Code System	2.16.840.1.113883.5.14 - ActStatus										
<table border="1"> <thead> <tr> <th>Level/ Type</th> <th>Code</th> <th>Display Name</th> <th>Code System</th> </tr> </thead> <tbody> <tr> <td>0-L</td> <td>completed</td> <td>completed</td> <td>ActStatus</td> </tr> </tbody> </table>				Level/ Type	Code	Display Name	Code System	0-L	completed	completed	ActStatus
Level/ Type	Code	Display Name	Code System								
0-L	completed	completed	ActStatus								


Legenda: Type L=leaf, S=specializable, A=abstract, D=deprecated. NullFlavors to appear in @nullFlavor attribute instead of @code.



















1.6.4 AdministrativeGender

Id	2.16.840.1.113883.1.11.1 ref ad2bbr-	Effective Date	2014-03-26
Status	● Final	Version Label	DEFN=UV=VO=1360-20160323
Name	AdministrativeGender	Display Name	AdministrativeGender
Description	<p>History description 2014-03-26: Lock all vaue sets untouched since 2014-03-26 to trackingId 2014T1_2014_03_26</p>		

	description:		
	The gender of a person used for administrative purposes (as opposed to clinical gender)		
Source Code System	2.16.840.1.113883.5.1 - <i>Administrative Gender</i>		
Level/ Type	Code	Display Name	Code System
0-L	F	Female	Administrative Gender
0-L	M	Male	Administrative Gender
0-L	UN	Undifferentiated	Administrative Gender
<p>Legenda: Type L=leaf, S=specializable, A=abstract, D=deprecated. NullFlavors to appear in @nullFlavor attribute instead of @code.</p>			


1.6.5 EprAuthorRole




Id	2.16.756.5.30.1.127.3.10.1.1.3	Effective Date	2018-06-13 07:40:11
Status	 Draft	Version Label	201704.3-beta
Name	authorRole	Display Name	EprAuthorRole
Description	<p>Role of the author as per Annex 3 EPRO-FDHA, Chapter 2.1</p> <p>This code defines the role of the author within the institution, e.g. doctor, nurse, therapist, etc, This is a sub-attribute of epd_xds_author.</p>		
Copyright	<p>This artefact includes content from SNOMED Clinical Terms® (SNOMED CT®) which is copyright of the International Health Terminology Standards Development Organisation (IHTSDO). Implementers of these artefacts must have the appropriate SNOMED CT Affiliate license - for more information contact http://www.snomed.org/snomed-ct/getsnomed-ct or info@snomed.org.</p>		

Source Code System		2.16.840.1.113883.6.96 - SNOMED Clinical Terms		
Level/ Type	Code	Display Name	Code System	Designations
0-L	46255001	Pharmacist (occupation)	SNOMED Clinical Terms	 Preferred: Pharmacist
0-L	309343006	Physician (occupation)	SNOMED Clinical Terms	 Preferred: Physician
0-L	3842006	Chiropractor (occupation)	SNOMED Clinical Terms	 Preferred: Chiropractor
0-L	159033005	Dietitian (occupation)	SNOMED Clinical Terms	 Preferred: Dietitian
0-L	309453006	Registered midwife (occupation)	SNOMED Clinical Terms	 Preferred: Midwife
0-L	224609002	Complementary health worker (occupation)	SNOMED Clinical Terms	 Preferred: Complementary therapist
0-L	116154003	Patient (person)	SNOMED Clinical Terms	 Preferred: Patient
0-L	106292003	Professional nurse (occupation)	SNOMED Clinical Terms	 Preferred: Professional nurse
0-L	59944000	Psychologist (occupation)	SNOMED Clinical Terms	 Preferred: Psychologist
0-L	158933003	Social caseworker (general) (occupation)	SNOMED Clinical Terms	 Preferred: Social worker
0-L	159026005	Speech/language therapist (occupation)	SNOMED Clinical Terms	 Preferred: Speech therapist
0-L	36682004	Physiotherapist (occupation)	SNOMED Clinical Terms	 Preferred: Physiotherapist
0-L	80546007	Occupational therapist (occupation)	SNOMED Clinical Terms	 Preferred: Occupational therapist
0-L	225726006	Lactation consultant (occupation)	SNOMED Clinical Terms	 Preferred: Breast Feeding Consultant
0-L	106289002	Dentist (occupation)	SNOMED Clinical Terms	 Preferred: Dentist
0-L	66862007	Radiologist (occupation)	SNOMED Clinical Terms	 Preferred: Radiologist
0-L	159282002	Laboratory technician (occupation)	SNOMED Clinical Terms	 Preferred: Laboratory technician
0-L	223366009	Healthcare professional (occupation)	SNOMED Clinical Terms	 Preferred: Healthcare professional

Legenda: Type L=leaf, S=specializable, A=abstract, D=deprecated. NullFlavors to appear in @nullFlavor attribute instead of @code.


1.6.6 EprDocumentConfidentialityCode









Id	2.16.756.5.30.1.127.3.10.1.5	Effective Date	2018-06-13 07:57:38
Status	 Draft	Version Label	201704.3-beta
Name	xds-confCod	Display Name	EprDocumentConfidentialityCode
Description	Document confidentiality as per Annex 3 EPRO-FDHA, Chapter 2.4.		
Copyright	This artefact includes content from SNOMED Clinical Terms® (SNOMED CT®) which is copyright of the International Health Terminology Standards Development Organisation (IHTSDO). Implementers of these artefacts must have the appropriate SNOMED CT Affiliate license - for more information contact http://www.snomed.org/snomed-ct/getsnomed-ct or info@snomed.org .		
Source Code System	2.16.840.1.113883.6.96 - <i>SNOMED Clinical Terms</i>		



















Level/ Type	Code	Display Name	Code System	Designations
0-L	1051000195109	Normal (qualifier value)	SNOMED Clinical Terms	 Preferred: normal
0-L	1131000195104	Restricted (qualifier value)	SNOMED Clinical Terms	 Preferred: restricted
0-L	1141000195107	Secret (qualifier value)	SNOMED Clinical Terms	 Preferred: secret














Legenda: Type L=leaf, S=specializable, A=abstract, D=deprecated. NullFlavors to appear in @nullFlavor attribute instead of @code.

1.6.7 EprDocumentTypeCode

Id	2.16.756.5.30.1.127.3.10.1.27	Effective Date	2018-06-13 08:18:20
Status	 Draft	Version Label	201704.3-beta
Name	xds-typeCo	Display Name	EprDocumentTypeCode
Description	<p>Type of document as per Annex 3 EPRO-FDHA, Chapter 2.11.</p> <p>The code defines a document's type (e.g. discharge report, laboratory report). Each document type should be assigned to precisely one document class.</p>		
Copyright	<p>This artefact includes content from SNOMED Clinical Terms® (SNOMED CT®) which is copyright of the International Health Terminology Standards Development Organisation (IHTSDO). Implementers of these artefacts must have the appropriate SNOMED CT Affiliate license - for more information contact http://www.snomed.org/snomed-ct/getsnomed-ct or info@snomed.org.</p>		
Source Code System	2.16.840.1.113883.6.96 - <i>SNOMED Clinical Terms</i>		

Level/ Type	Code	Display Name	Code System	Designations
0-L	371537001	Consent report (record artifact)	SNOMED Clinical Terms	 Preferred: Patient Consent
0-L	371538006	Advance directive report (record artifact)	SNOMED Clinical Terms	 Preferred: Advance directive report
0-L	722216001	Emergency medical identification record (record artifact)	SNOMED Clinical Terms	 Preferred: Emergency medical identification record
0-L	772790007	Organ donor card (record artifact)	SNOMED Clinical Terms	 Preferred: Organ donor card
0-L	371534008	Summary report (record artifact)	SNOMED Clinical Terms	 Preferred: Patient Summary
0-L	721912009	Medication summary document (record artifact)	SNOMED Clinical Terms	 Preferred: Medication summary
0-L	440545006	Prescription record (record artifact)	SNOMED Clinical Terms	 Preferred: Drug prescription
0-L	1371000195104	Non-drug prescription record (record artifact)	SNOMED Clinical Terms	 Preferred: Non-drug prescription

0-L	275670009	Prescription exemption certificate (record artifact)	SNOMED Clinical Terms	 Preferred: Medication Dispensation
0-L	1221000195109	Medication Comment (record artifact)	SNOMED Clinical Terms	 Preferred: Medication Comment
0-L	761931002	Medication treatment plan report (record artifact)	SNOMED Clinical Terms	 Preferred: Medication Treatment Plan
0-L	721915006	Admission request document (record artifact)	SNOMED Clinical Terms	 Preferred: Admission request
0-L	371542009	Admission history and physical report (record artifact)	SNOMED Clinical Terms	 Preferred: Admission report
0-L	373942005	Discharge summary (record artifact)	SNOMED Clinical Terms	 Preferred: Discharge summary
0-L	371535009	Transfer summary report (record artifact)	SNOMED Clinical Terms	 Preferred: Transfer summary report
0-L	278448002	Care plan (qualifier value)	SNOMED Clinical Terms	 Preferred: Care plan
0-L	5531000179105	Nursing report (record artifact)	SNOMED Clinical Terms	 Preferred: Nursing report
0-L	721927009	Referral note (record artifact)	SNOMED Clinical Terms	 Preferred: Referral request
0-L	371530004	Clinical consultation report (record artifact)	SNOMED Clinical Terms	 Preferred: Consultation report
0-L	371525003	Clinical procedure report (record artifact)	SNOMED Clinical Terms	 Preferred: Clinical procedure report
0-L	4241000179101	Laboratory report (record artifact)	SNOMED Clinical Terms	 Preferred: Laboratory report
0-L	371528001	Pathology report (record artifact)	SNOMED Clinical Terms	 Preferred: Pathology report
0-L	721631001	Bone marrow pathology biopsy report (record artifact)	SNOMED Clinical Terms	 Preferred: Bone marrow Pathology biopsy report
0-L	721968000	Cardiac catheterization report (record artifact)	SNOMED Clinical Terms	 Preferred: Cardiac catheterization report
0-L	399345000	Adult echocardiography procedure report (record artifact)	SNOMED Clinical Terms	 Preferred: Echocardiography procedure report
0-L	4221000179107	Ultrasound imaging report (record artifact)	SNOMED Clinical Terms	 Preferred: Ultrasound imaging report

0-L	371527006	Radiology report (record artifact)	SNOMED Clinical Terms	 Preferred: Radiology report
0-L	416779005	Anesthesia record (record artifact)	SNOMED Clinical Terms	 Preferred: Anaesthesiology report
0-L	371526002	Operative report (record artifact)	SNOMED Clinical Terms	 Preferred: Operative report
0-L	444561001	Birth certificate (record artifact)	SNOMED Clinical Terms	 Preferred: Birth certificate
0-L	307930005	Death certificate (record artifact)	SNOMED Clinical Terms	 Preferred: Death certificate
0-L	721599005	Wound care management note (record artifact)	SNOMED Clinical Terms	 Preferred: Wound report
0-L	371532007	Progress report (record artifact)	SNOMED Clinical Terms	 Preferred: Progress note
0-L	722091001	Conclusion interpretation document (record artifact)	SNOMED Clinical Terms	 Preferred: Conclusion interpretation document
0-L	900000000000471000	Image reference (foundation metadata concept)	SNOMED Clinical Terms	 Preferred: Image reference
0-L	41000179103	Immunization record (record artifact)	SNOMED Clinical Terms	 Preferred: Immunization record
0-L	424975005	Record entry (record artifact)	SNOMED Clinical Terms	 Preferred: Other EPD-document type
0-L	722160009	Audit trail report (record artifact)	SNOMED Clinical Terms	 Preferred: Audit trail
0-L	721963009	Order (record artifact)	SNOMED Clinical Terms	 Preferred: Order

Legenda: Type L=leaf, S=specializable, A=abstract, D=deprecated. NullFlavors to appear in @nullFlavor attribute instead of @code.

1.6.8 HumanLanguage

Id	2.16.840.1.113883.1.11.11526 ref ad2bbr-	Effective Date	2014-03-26
Status	● Final	Version Label	DEFN=UV=VO=1360-20160323
Name	HumanLanguage	Display Name	HumanLanguage

Description	History description 2014-03-26: Lock all vaue sets untouched since 2014-03-26 to trackingId 2014T1_2014_03_26
	<p>description:</p> <p>Codes for the representation of the names of human languages.</p>

A valid code from the code system:

Code System Name	Code System Id	Code System Version
<i>Tags for the Identification of Languages</i>	2.16.840.1.113883.6.121	

1.6.9 Laboratory Specialties

Id	1.3.6.1.4.1.19376.1.3.11.1 ref XDLAB-	Effective Date	2008-08-08
Status	● Final	Version Label	2017
Name	LaboratorySpecialties	Display Name	Laboratory Specialties
Description	<p>Laboratory Specialties.</p> <p>Notes:</p> <ul style="list-style-type: none"> ▪ Note 1:26436-6 (LABORATORY STUDIES) enables issuing a report putting together observations from multiple specialties (disciplines) in the same text block, allowing delivery of a global interpretation comment at the end of the text block that will be rendered at the end of the report. ▪ Note 2:18721-1 (THERAPEUTIC DRUG MONITORING STUDIES) will be used for a section carrying pharmacology observations on a patient. ▪ Note 3:Mycology and parasitology, as well as bacteriology, are part of the 18725-2 (MICROBIOLOGY STUDIES) specialty. ▪ Note 4:Virology MAY be included in 18725-2 (MICROBIOLOGY STUDIES) specialty or 18727-8 (SEROLOGY STUDIES) or split between both specialties, depending upon the Content Creator Actor's choice. 		
Source Code System	2.16.840.1.113883.6.1 - <i>Logical Observation Identifier Names and Codes</i>		

Level/ Type	Code	Display Name	Code System
0-L	18717-9	BLOOD BANK STUDIES	Logical Observation Identifier Names and Codes
0-L	18718-7	CELL MARKER STUDIES	Logical Observation Identifier Names and Codes
0-L	18719-5	CHEMISTRY STUDIES	Logical Observation Identifier Names and Codes
0-L	18720-3	COAGULATION STUDIES	Logical Observation Identifier Names and Codes
0-L	18721-1	THERAPEUTIC DRUG MONITORING STUDIES	Logical Observation Identifier Names and Codes
0-L	18722-9	FERTILITY STUDIES	Logical Observation Identifier Names and Codes
0-L	18723-7	HEMATOLOGY STUDIES	Logical Observation Identifier Names and Codes
0-L	18724-5	HLA STUDIES	Logical Observation Identifier Names and Codes
0-L	18725-2	MICROBIOLOGY STUDIES	Logical Observation Identifier Names and Codes
0-L	18727-8	SEROLOGY STUDIES	Logical Observation Identifier Names and Codes
0-L	18728-6	TOXICOLOGY STUDIES	Logical Observation Identifier Names and Codes
0-L	18729-4	URINALYSIS STUDIES	Logical Observation Identifier Names and Codes
0-L	18767-4	BLOOD GAS STUDIES	Logical Observation Identifier Names and Codes
0-L	18768-2	CELL COUNTS+DIFFERENTIAL STUDIES	Logical Observation Identifier Names and Codes
0-L	18769-0	MICROBIAL SUSCEPTIBILITY TESTS	Logical Observation Identifier Names and Codes
0-L	26435-8	MOLECULAR PATHOLOGY STUDIES	Logical Observation Identifier Names and Codes
0-L	26436-6	LABORATORY STUDIES	Logical Observation Identifier Names and Codes
0-L	26437-4	CHEMISTRY CHALLENGE STUDIES	Logical Observation Identifier Names and Codes
0-L	26438-2	CYTOLOGY STUDIES	Logical Observation Identifier Names and Codes

Legenda: Type L=leaf, S=specializable, A=abstract, D=deprecated. NullFlavors to appear in @nullFlavor attribute instead of @code.

1.6.10 Multi-disciplinary Laboratory Report

Id	1.3.6.1.4.1.19376.1.3.11.6 ref XDLAB-	Effective Date	2016-06-28 20:13:09
Status	● Final	Version Label	2017
Name	IHEMultidisciplinaryLaboratoryReport	Display Name	Multi-disciplinary Laboratory Report
Source Code System	2.16.840.1.113883.6.1 - <i>Logical Observation Identifier Names and Codes</i>		

Level/ Type	Code	Display Name	Code System
0-L	11502-2	LABORATORY REPORT.TOTAL	Logical Observation Identifier Names and Codes

Legenda: Type L=leaf, S=specializable, A=abstract, D=deprecated. NullFlavors to appear in @nullFlavor attribute instead of @code.

1.6.11 Multimedia Embedded Media Types

Id	1.3.6.1.4.1.19376.1.3.11.5 ref XDLAB-	Effective Date	2008-08-08
Status	● Final	Version Label	2017
Name	MultimediaEmbeddedMediaTypes	Display Name	Multimedia Embedded Media Types

Source Code System		2.16.840.1.113883.5.79 - <i>Media Type</i>		
Level/ Type	Code	Display Name	Code System	
0-L	image/gif	GIF Image	Media Type	
0-L	image/jpeg	JPEG Image	Media Type	
0-L	image/png	PNG Image	Media Type	
0-L	image/bmp	BMP Image	Media Type	

Legenda: Type L=leaf, S=specializable, A=abstract, D=deprecated. NullFlavors to appear in @nullFlavor attribute instead of @code.

1.6.12 NullFlavor

Id	2.16.840.1.113883.1.11.10609 ref ad2bbr-	Effective Date	2014-03-26
Status	● Final	Version Label	DEFN=UV=VO=1360-20160323
Name	NullFlavor	Display Name	NullFlavor
Description	History description 2014-03-26: Lock all vaue sets untouched since 2014-03-26 to trackingId 2014T1_2014_03_26		
Source Code System		2.16.840.1.113883.5.1008 - <i>Null Flavor</i>	
Level/ Type	Code	Code System	

0-S	NI	NoInformation	Null Flavor
1-S	INV	invalid	Null Flavor
2-L	DER	derived	Null Flavor
2-S	OTH	other	Null Flavor
3-L	NINF	negative infinity	Null Flavor
3-L	PINF	positive infinity	Null Flavor
2-L	UNC	un-encoded	Null Flavor
1-L	MSK	masked	Null Flavor
1-L	NA	not applicable	Null Flavor
1-S	UNK	unknown	Null Flavor
2-S	ASKU	asked but unknown	Null Flavor
3-L	NAV	temporarily unavailable	Null Flavor
2-L	NASK	not asked	Null Flavor
2-S	NAVU	Not available	Null Flavor
3-L	NAV	temporarily unavailable	Null Flavor
2-L	QS	Sufficient Quantity	Null Flavor
2-L	TRC	trace	Null Flavor

Legenda: Type L=leaf, S=specializable, A=abstract, D=deprecated. NullFlavors to appear in @nullFlavor attribute instead of @code.

1.6.13 ObservationInterpretation

Id	2.16.840.1.113883.1.11.78 ref ad2bbr-	Effective Date	2014-03-26
Status	● Final	Version Label	DEFN=UV=VO=1360-20160323
Name	ObservationInterpretation	Display Name	ObservationInterpretation
Description	<p>History description 2014-03-26: Lock all vaue sets untouched since 2014-03-26 to trackingId 2014T1_2014_03_26</p> <p>description:</p> <p>One or more codes specifying a rough qualitative interpretation of the observation, such as "normal", "abnormal", "below normal", "change up", "resistant", "susceptible", etc.</p> <p><i>Discussion:</i> These interpretation codes are sometimes called "abnormal flags", however, the judgment of normalcy is just one of the common rough interpretations, and is often not relevant. For example, the susceptibility interpretations are not about "normalcy", and for any observation of a pathologic condition, it does not make sense to state the normalcy, since pathologic conditions are never considered "normal."</p>		
Source Code System	2.16.840.1.113883.5.83 - <i>Observation Interpretation</i>		

Level/ Type	Code	Display Name	Code System
0-A	_GeneticObservationInterpretation	GeneticObservationInterpretation	Observation Interpretation
1-L	CAR	Carrier	Observation Interpretation
1-L	Carrier	Carrier	Observation Interpretation
0-A	_ObservationInterpretationChange	ObservationInterpretationChange	Observation Interpretation
1-L	B	Better	Observation Interpretation
1-L	D	Significant change down	Observation Interpretation
1-L	U	Significant change up	Observation Interpretation

1-L	W	Worse	Observation Interpretation
0-A	_ObservationInterpretationExceptions	ObservationInterpretationExceptions	Observation Interpretation
1-L	<	Off scale low	Observation Interpretation
1-L	>	Off scale high	Observation Interpretation
1-L	AC	Anti-complementary substances present	Observation Interpretation
1-L	IE	Insufficient evidence	Observation Interpretation
1-L	QCF	Quality control failure	Observation Interpretation
1-L	TOX	Cytotoxic substance present	Observation Interpretation
0-A	_ObservationInterpretationNormality	ObservationInterpretationNormality	Observation Interpretation
1-S	A	Abnormal	Observation Interpretation
2-S	AA	Critical abnormal	Observation Interpretation
3-L	HH	Critical high	Observation Interpretation
3-L	LL	Critical low	Observation Interpretation
2-S	H	High	Observation Interpretation
3-S	H>	Significantly high	Observation Interpretation
4-L	HH	Critical high	Observation Interpretation
3-S	HU	Significantly high	Observation Interpretation
4-L	HH	Critical high	Observation Interpretation
2-S	L	Low	Observation Interpretation
3-S	L<	Significantly low	Observation Interpretation

4-L	LL	Critical low	Observation Interpretation
3-S	LU	Significantly low	Observation Interpretation
4-L	LL	Critical low	Observation Interpretation
1-L	N	Normal	Observation Interpretation
0-A	_ObservationInterpretationSusceptibility	ObservationInterpretationSusceptibility	Observation Interpretation
1-L	IE	Insufficient evidence	Observation Interpretation
1-L	I	Intermediate	Observation Interpretation
1-L	MS	moderately susceptible	Observation Interpretation
1-L	NS	Non-susceptible	Observation Interpretation
1-S	R	Resistant	Observation Interpretation
2-L	SYN-R	Synergy - resistant	Observation Interpretation
1-S	S	Susceptible	Observation Interpretation
2-L	SDD	Susceptible-dose dependent	Observation Interpretation
2-L	SYN-S	Synergy - susceptible	Observation Interpretation
1-L	VS	very susceptible	Observation Interpretation
0-S	EX	outside threshold	Observation Interpretation
1-L	HX	above high threshold	Observation Interpretation
1-L	LX	below low threshold	Observation Interpretation
0-A	ObservationInterpretationDetection	ObservationInterpretationDetection	Observation Interpretation
1-S	IND	Indeterminate	Observation Interpretation

2-L	E	Equivocal	Observation Interpretation
1-S	NEG	Negative	Observation Interpretation
2-L	ND	Not detected	Observation Interpretation
1-S	POS	Positive	Observation Interpretation
2-L	DET	Detected	Observation Interpretation
0-A	ObservationInterpretationExpectation	ObservationInterpretationExpectation	Observation Interpretation
1-L	EXP	Expected	Observation Interpretation
1-L	UNE	Unexpected	Observation Interpretation
0-A	ReactivityObservationInterpretation	ReactivityObservationInterpretation	Observation Interpretation
1-L	NR	Non-reactive	Observation Interpretation
1-S	RR	Reactive	Observation Interpretation
2-L	WR	Weakly reactive	Observation Interpretation

Legenda: Type L=leaf, S=specializable, A=abstract, D=deprecated. NullFlavors to appear in @nullFlavor attribute instead of @code.


1.6.14 ParticipationSignature

Id	2.16.840.1.113883.1.11.10282 ref ad2bbr-	Effective Date	2014-03-26
Status	● Final	Version Label	DEFN=UV=VO=1360-20160323
Name	ParticipationSignature	Display Name	ParticipationSignature

Description	History description 2014-03-26: Lock all vaue sets untouched since 2014-03-26 to trackingId 2014T1_2014_03_26																
	<p>description:</p> <p>A code specifying whether and how the participant has attested his participation through a signature and or whether such a signature is needed.</p> <p><i>Examples:</i> A surgical Procedure act object (representing a procedure report) requires a signature of the performing and responsible surgeon, and possibly other participants. (See also: Participation.signatureText.)</p>																
Source Code System	2.16.840.1.113883.5.89 - <i>Participation Signature</i>																
<table border="1"> <thead> <tr> <th>Level/ Type</th> <th>Code</th> <th>Display Name</th> <th>Code System</th> </tr> </thead> <tbody> <tr> <td>0-L</td> <td>I</td> <td>intended</td> <td>Participation Signature</td> </tr> <tr> <td>0-L</td> <td>S</td> <td>signed</td> <td>Participation Signature</td> </tr> <tr> <td>0-L</td> <td>X</td> <td>required</td> <td>Participation Signature</td> </tr> </tbody> </table>		Level/ Type	Code	Display Name	Code System	0-L	I	intended	Participation Signature	0-L	S	signed	Participation Signature	0-L	X	required	Participation Signature
Level/ Type	Code	Display Name	Code System														
0-L	I	intended	Participation Signature														
0-L	S	signed	Participation Signature														
0-L	X	required	Participation Signature														

Legenda: Type L=leaf, S=specializable, A=abstract, D=deprecated. NullFlavors to appear in @nullFlavor attribute instead of @code.

1.6.15 Pregnancy Observation Codes

Id	2.16.756.5.30.1.1.11.78	Effective Date	2018-04-19
Status	 Under pre-publication review	Version Label	2018
Name	PregnancyObservationCodes	Display Name	Pregnancy Observation Codes

Source Code System		2.16.840.1.113883.6.1 - Logical Observation Identifier Names and Codes	
Level/ Type	Code	Display Name	Code System
0-L	11636-8	BIRTHS LIVE (REPORTED)	Logical Observation Identifier Names and Codes
0-L	11637-6	BIRTHS PRETERM (REPORTED)	Logical Observation Identifier Names and Codes
0-L	11638-4	BIRTHS STILL LIVING (REPORTED)	Logical Observation Identifier Names and Codes
0-L	11639-2	BIRTHS TERM (REPORTED)	Logical Observation Identifier Names and Codes
0-L	11640-0	BIRTHS TOTAL (REPORTED)	Logical Observation Identifier Names and Codes
0-L	11612-9	ABORTIONS(REPORTED)	Logical Observation Identifier Names and Codes
0-L	11613-7	ABORTIONSINDUCED (REPORTED)	Logical Observation Identifier Names and Codes
0-L	11614-5	ABORTIONSSPONTANEOUS(REPORTED)	Logical Observation Identifier Names and Codes
0-L	33065-4	ECTOPIC PREGNANCY(REPORTED)	Logical Observation Identifier Names and Codes
0-L	57062-2	Births.stillborn	Logical Observation Identifier Names and Codes
0-L	11996-6	Pregnancies	Logical Observation Identifier Names and Codes
0-L	11639-2	Births.Term	Logical Observation Identifier Names and Codes
0-L	11637-6	Births.Preterm	Logical Observation Identifier Names and Codes
0-L	45371-2	Multiple pregnancy	Logical Observation Identifier Names and Codes
0-L	49051-6	Gestational age	Logical Observation Identifier Names and Codes
0-L	11887-7	FETUS, GESTATIONAL AGE (ESTIMATED FROM SELECTED DELIVERY DATE)	Logical Observation Identifier Names and Codes
0-L	32396-4	Labor duration	Logical Observation Identifier Names and Codes
0-L	8339-4	Body weight at birth	Logical Observation Identifier Names and Codes

0-L	29300-1	Procedure9	Logical Observation Identifier Names and Codes
0-L	8722-1	Surgical operation note anesthesia	Logical Observation Identifier Names and Codes
0-L	52829-9	Place of service	Logical Observation Identifier Names and Codes
0-L	42839-1	Labor risk	Logical Observation Identifier Names and Codes
0-L	42840-9	Delivery risk	Logical Observation Identifier Names and Codes
0-L	11449-6	PREGNANCYSTATUS	Logical Observation Identifier Names and Codes
0-L	8678-5	MENSTRUAL STATUS	Logical Observation Identifier Names and Codes
0-L	8665-2	DATE LAST MENSTRUAL PERIOD	Logical Observation Identifier Names and Codes
0-L	11778-8	DELIVERY DATE (CLINICAL ESTIMATE)	Logical Observation Identifier Names and Codes
0-L	11779-6	DELIVERY DATE (ESTIMATED FROM LAST MENSTRUAL PERIOD)	Logical Observation Identifier Names and Codes
0-L	11780-4	DELIVERY DATE (ESTIMATED FROM OVULATION DATE)	Logical Observation Identifier Names and Codes
0-L	11884-4	FETUS, GESTATIONAL AGE (CLINICAL ESTIMATE)	Logical Observation Identifier Names and Codes
0-L	11885-1	FETUS, GESTATIONAL AGE (ESTIMATED FROM LAST MENSTRUAL PERIOD)	Logical Observation Identifier Names and Codes
0-L	11886-9	FETUS, GESTATIONAL AGE (ESTIMATED FROM OVULATION DATE)	Logical Observation Identifier Names and Codes

Legenda: Type L=leaf, S=specializable, A=abstract, D=deprecated. NullFlavors to appear in @nullFlavor attribute instead of @code.

1.6.16 Vital Signs Observation

Id 2.16.756.5.30.1.1.11.5

Effective Date 2018-04-19

Status	● Under pre-publication review	Version Label	2018
Name	VitalSignsObservation	Display Name	Vital Signs Observation
Description	(de-CH) IHE PCC TF VOL2 6.3.4.22.2		
Copyright	This artefact includes content from SNOMED Clinical Terms® (SNOMED CT®) which is copyright of the International Health Terminology Standards Development Organisation (IHTSDO). Implementers of these artefacts must have the appropriate SNOMED CT Affiliate license - for more information contact http://www.snomed.org/snomed-ct/getsnomed-ct or info@snomed.org .		
Source Code System	2.16.840.1.113883.6.1 - <i>Logical Observation Identifier Names and Codes</i>		

Level/ Type	Code	Display Name	Code System	Description
0-L	2710-2	Oxygen saturation (deprecated)	Logical Observation Identifier Names and Codes	
0-L	59408-5	Oxygen saturation in Arterial blood by Pulse oximetry	Logical Observation Identifier Names and Codes	
0-L	3141-9	Body weight Measured	Logical Observation Identifier Names and Codes	
0-L	8287-5	Head Occipital-frontal circumference by Tape measure	Logical Observation Identifier Names and Codes	
0-L	8302-2	Body height	Logical Observation Identifier Names and Codes	
0-L	8306-3	Body height --lying	Logical Observation Identifier Names and Codes	
0-L	8310-5	Body temperature	Logical Observation Identifier Names and Codes	
0-L	8462-4	Diastolic blood pressure	Logical Observation Identifier Names and Codes	
0-L	8480-6	Systolic blood pressure	Logical Observation Identifier Names and Codes	
0-L	8867-4	Heart rate	Logical Observation Identifier Names and Codes	
0-L	9279-1	Respiratory rate	Logical Observation Identifier Names and Codes	
0-L	19996-8	Oxygen/Inspired gas Respiratory system --on ventilator	Logical Observation Identifier Names and Codes	
0-L	19994-3	Oxygen/Inspired gas setting	Logical Observation Identifier Names and Codes	

Legenda: Type L=leaf, S=specializable, A=abstract, D=deprecated. NullFlavors to appear in @nullFlavor attribute instead of @code.

1.6.17 x_InformationRecipient

Id	2.16.840.1.113883.1.11.19366 ref ad2bbr-	Effective Date	2014-03-26
Status	● Final	Version Label	DEFN=UV=VO=1360-20160323
Name	x_InformationRecipient	Display Name	x_InformationRecipient
Description	<p>History description 2014-03-26: Lock all vaue sets untouched since 2014-03-26 to trackingId 2014T1_2014_03_26</p> <p>description:</p> <p>Used to represent participant(s) who should receive a copy of a document.</p>		
Source Code System	2.16.840.1.113883.5.90 - <i>ParticipationType</i>		
Level/ Type	Code	Display Name	Code System
0-L	PRCP	primary information recipient	ParticipationType
0-L	TRC	tracker	ParticipationType

Legenda: Type L=leaf, S=specializable, A=abstract, D=deprecated. NullFlavors to appear in @nullFlavor attribute instead of @code.

