



CDA-CH 2017 (V2.0)

Spezifikation



HL7 Benutzergruppe Schweiz

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Ausserkraftsetzung vorbestehender Spezifikationen

Folgende vorbestehende Spezifikationen werden mit Genehmigung der vorliegenden Spezifikation ausser Kraft gesetzt:

- CDA-CH V1.2 vom 27. Januar 2009 (https://www.hl7.ch/default/assets/File/Publikationen/CDA-CH_de_V1_2.pdf)
- CDA-CH II V1.2 vom 01. Oktober 2011 (https://www.hl7.ch/default/assets/File/Publikationen/CDA-CH-II_de_V1_2a.pdf)

Zweck und Positionierung

Das vorliegende Dokument definiert den technischen und semantischen Standard für den elektronischen und strukturierten Austausch der beschriebenen Informationen rund um das elektronische Patientendossier (EPD).

Gleichstellung von Mann und Frau

Im Interesse einer besseren Lesbarkeit wird auf die konsequente gemeinsame Nennung der männlichen und weiblichen Form verzichtet. Wo nicht anders angegeben, sind immer beide Geschlechter gemeint.

Elektronische Version

Die Inhalte dieses Dokuments können auch auf dem Wiki ([http://e-health-wiki.ch/index.php/Ehscda:CDA-CH_2017_\(specification\)](http://e-health-wiki.ch/index.php/Ehscda:CDA-CH_2017_(specification))) abgerufen werden.

Die normative Spezifikation inklusive den Schematron-Regeln ist auf Art-Decor (<http://ehealthsuisse.art-decor.org/index.php?prefix=hl7hcda->) publiziert.

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1 Zusammenfassung

Ein Patient durchläuft während einer Behandlung in der Regel mehrere, oft sogar zahlreiche Institutionen. Auf dem Behandlungspfad eines Patienten werden zahlreiche medizinische Dokumente ausgetauscht. Ein isolierter Betrieb von Informationssystemen führt nebst Mehrfacherfassungen, Medienbrüchen und anderen negativen Begleiterscheinungen vor allem zu unnötigem personellen Aufwand. Oft wird auch heute noch das Papier als Medium und der Patient als Kurier eingesetzt. Mit den heute verfügbaren Mitteln der Informations- und Kommunikationstechnologie (ICT) sind demgegenüber wesentliche Verbesserungen möglich.

Beispiele:

- Automatische Verteilung der Dokumente aufgrund der, im Dokumentenkopf genannten Empfänger
- Elektronische Verarbeitung der Nutzdaten
 - Sendende Informationssysteme können Inhalte aus deren Datenbeständen automatisch generieren
 - Empfangende Informationssysteme können ihre Datenbestände aus elektronisch erhaltenen Dokumenten automatisch nachführen
 - Alarmierungen oder Workflows können bei Bedarf initialisiert werden

Um einen einheitlichen, ökonomisch vertretbaren Einsatz des elektronischen Austausches medizinischer Dokumente zu ermöglichen, ist der Einsatz von Standards notwendig. Dadurch wird sichergestellt, dass mehrere in sich autonome Systeme und Organisationen ohne vorherige Absprachen miteinander kommunizieren können. CDA-CH ist genau dazu etabliert worden und soll als Instrument dienen, die Interoperabilität zwischen Leistungserbringern im schweizerischen Gesundheitswesen erhöhen. CDA-CH V2 (2017) bietet eine Konformität zu eCH Normen für Postadresse und Personendaten, sowie zum EPDG (Anhang 3: Metadaten und Anhang 4: Austauschformate). Damit wird sichergestellt, dass CDA-CH V2 Dokumente optimal in Prozesse rund ums elektronische Patientendossier (EPD) integriert werden können. Der Einsatz im EPD ist allerdings nur eines von zahlreichen Szenarien für den Einsatz von CDA-CH V2. CDA-CH V2 kann und wird auch ausserhalb des EPD eingesetzt werden.

2 Einleitung

2.1 Ausgangslage und Motivation

Die Grundlage für die Austauschformate in der Schweiz bildet die CDA-CH Spezifikation. Diese wurde im 2009 etabliert und seither nicht mehr aktualisiert. Die vorliegende Überarbeitung dient insbesondere der Anpassung an Vorgaben aus dem Gesetz zum elektronischen Patientendossier (<https://www.bag.admin.ch/bag/de/home/service/gesetzgebung/gesetzgebung-mensch-gesundheit/gesetzgebung-elektronisches-patientendossier.html>). Ausserdem wurden auch Vorgaben von eCH Standards zu Adressen und Personendaten berücksichtigt.

Der im Steuerungsausschuss von „eHealth Suisse“ verabschiedete Umsetzungsvorschlag sieht ein einheitliches Austauschformat für die hier genannten Informationen vor. Damit kann der Austausch dieser Informationen zwischen allen beteiligten Institutionen und Personen unterstützt werden.

Dokumente, welche nach diesem Austauschformat erstellt werden, sind ausserdem geeignet für die Ablage im EPD.

2.2 Status und Zweck des Dokuments

Das vorliegende Dokument beschreibt den Inhalt von „CDA-CH 2017 (specification)“ und definiert damit ein einheitliches Austauschformat für den Informationsaustausch im Gesundheitswesen Schweiz. Es enthält den Text wie er vom Projektteam erarbeitet wurde und beinhaltet die normative Spezifikation basierend auf HL7 CDA. Dieses Austauschformat ist nach einer breiten Anhörung als nationaler Standard durch eHealth Suisse zur Verwendung empfohlen.

2.3 Angesprochene Leserschaft

Das vorliegende Austauschformat richtet sich an Behandelnde, Hersteller und Lieferanten von Software und Systemen sowie alle weiteren Gesundheitsfachpersonen, welche sich mit vorliegendem Thema befassen.

ICT-Fachleute finden im Kapitel "7 Spezifikation (normativ)" die normative Spezifikation und im Kapitel "8 Validierung, Technologien und Tools" Verweise auf Dokumente zu Technologien und Tools zur Validierung sowie weitere Hilfsunterlagen (sogenannte „Supporting Documents“). Eine Beschreibung der Anwendungsfälle findet sich in Kapitel "5 Anwendungsfälle".

2.4 Ziele und Abgrenzungen

2.4.1 Interoperabilität als Voraussetzung

Eine sinnvolle Umsetzung elektronischer Meldungen bedingt Interoperabilität der beteiligten Systeme. Die "HL7 EHR Interoperability Work Group" hat Interoperabilität unterteilt in folgende Stufen^[Anmerkung 1].

kung 1] .

- Technische Interoperabilität
- Semantische Interoperabilität
- Prozessinteroperabilität

Technisch interoperabel sind Systeme, die miteinander Daten austauschen können. Semantische Interoperabilität bedeutet, dass die Information vom empfangenen System richtig interpretiert werden kann. Die Prozessinteroperabilität befasst sich mit der Integration der Systeme in den Arbeitsablauf.

Das vorliegende Austauschformat beinhaltet die Spezifikationen für die semantische Interoperabilität von Systemen im Zusammenhang mit "CDA-CH 2017 (specification)".

Die technische Interoperabilität ist eine Voraussetzung dafür, dass die semantische Interoperabilität zum Tragen kommt. Sie beinhaltet unter anderem den Transportmechanismus von Meldungen. Dieses Austauschformat macht zum Transportmechanismus keine Vorgaben.

Kapitel "5 Anwendungsfälle" zeigt relevante Anwendungsfälle und gibt Hinweise für eine geeignete Implementation. Den Hinweisen liegen Überlegungen zur Prozessinteroperabilität zugrunde. Vorgaben und eine vertiefte Behandlung der Prozessinteroperabilität sind jedoch nicht Gegenstand dieses Dokuments.

2.4.2 Ziele

Automatisierung:

- Automatisierung der Datenbereitstellung seitens der Datenlieferanten und damit Eliminierung von Fehlern, die heute durch manuelle Bearbeitung auftreten können.
- Automatisierung der Datenverarbeitung seitens der Behandelnden und damit Reduktion des Aufwandes, welcher die bisher praktizierten Verfahren und Abläufe verursachen.

Harmonisierung, Interoperabilität und Investitionsschutz:

- Sicherstellung der Wiederverwendbarkeit gleicher Elemente in den verschiedenen Austauschformaten und damit Reduktion des Entwicklungsaufwandes für neue Schnittstellen
- Harmonisierung der Informationen im CDA Header, da mit diese in den verschiedenen - von CDA-CH abgeleiteten - Austauschformaten identisch wiederverwendet werden können.

2.4.3 Abgrenzungen

Die vorliegende Spezifikation fokussiert auf die Strukturierung der administrativen Informationen in einem HL7 CDA Dokument (CDA Header), wie sie beim Einsatz in der Schweiz angewendet werden sollen. Es handelt sich dabei z.B. um Sprache, Autor, Verweis auf ein allfällig zu ersetzendes Dokument oder einen Auftrag der zur Erstellung des neuen Dokuments geführt hat, weitere beteiligte Personen oder Organisationen (wie Notfallkontakte, Versicherungen, Arbeitgeber, rechtsgültiger Unterzeichner, etc.). Eine genauere Übersicht befindet sich im Kapitel "7 Spezifikation (normativ)".

Da es sich bei dieser Spezifikation um die Grundlage für den Austausch von strukturierten Dokumenten handelt wird von einer Strukturierung von medizinischen Daten ausgegangen. Es wird aber nicht auf die Strukturierung von medizinischen Daten eingegangen, denn dies ist Inhalt der verschiedenen Austauschformate, welche von CDA-CH für entsprechende Anwendungsfälle (wie z.B. elektronisches Impfdossier, eMedikation oder allgemeine Laborbefunde) abgeleitet werden.

Eine genauere Übersicht über die verschiedenen Varianten im CDA Body kann dem Wiki von HL7 Deutschland entnommen werden: CDA Body im Arztbrief V2 (<http://wiki.hl7.de/index.php?title=cdaab2:Body>).

Folgende Themen werden vom vorliegenden Austauschformat nicht behandelt:

- Dokumente mit unstrukturierten Daten (CDA Body).
- Eigentliche Strukturierung von medizinischen Daten (CDA Body).
- Eigentliche Übertragung der Dokumente (Kommunikation).
- Definition von Prozessen, welche beim Empfänger durch die elektronische Verarbeitung der strukturierten Daten möglich werden.

2.5 Grundlagen und Basistechnologien

Die Anwendungsfälle rund um "CDA-CH 2017 (specification)" lassen sich nach den Empfehlungen der Strategie eHealth Schweiz umsetzen. Die elektronischen Informationen dazu sollen im elektronischen Patientendossier zugänglich sein und den Beteiligten eine elektronische Verarbeitung ermöglichen.

Das vorliegende Austauschformat basiert auf Integrationsprofilen der IHE und der HL7 Clinical Document Architecture (CDA). Siehe auch Kapitel "3 Bezug zu anderen Standards und Leitfäden".

2.6 Verantwortlichkeiten

Die Herausgeberin genehmigt ausdrücklich die Anwendung des vorliegenden Leitfadens ohne Lizenz- und Nutzungsgebühren zum Zweck der Übermittlung von „CDA-CH 2017 (specification)“ und weist darauf hin, dass dies mit dem Einverständnis aller an der Erarbeitung des Austauschformats beteiligten Mitwirkenden erfolgt. Die Nutzung des Leitfadens erfolgt in der Verantwortung der Anwender.

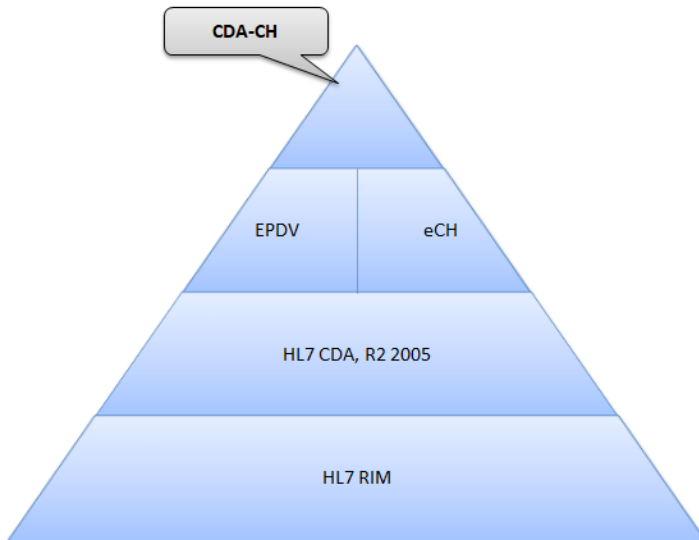
Die Codierung von einzelnen Informationen in dieser Spezifikation basiert auf definierten Value-Sets und Vokabularen, welche die akzeptierten Codes definieren.

Für die Publikation von Value-Sets ist das Koordinationsorgan Bund-Kantone „eHealth Suisse“ verantwortlich.

3 Formelle Grundlagen

3.1 Bezug zu anderen Standards und Leitfäden

Das vorliegende Austauschformat baut auf folgenden Grundlagen auf:



[Abbildung 1] *Bezug zu anderen Standards und Leitfäden – Referenzpyramide*

3.1.1 IHE Integrationsprofile

IHE (Integrating the Healthcare Enterprise) ist eine internationale Initiative zur Verbesserung des elektronischen Datenaustausches zwischen IT-Systemen im Gesundheitswesen. IHE erarbeitet sogenannte Integrationsprofile, welche definieren, wie bestehende Standards (z. B. HL7, DICOM) in Arbeitsabläufen anzuwenden sind, damit Informationssysteme unterschiedlicher Hersteller interoperabel und ohne Verlust von Informationen miteinander kommunizieren können. IHE wurde im Jahr 1998 in den USA ins Leben gerufen; Europa und Asien folgten kurz darauf. 2010 wurde IHE Suisse gegründet.

Dokumente, welche basierend auf IHE Inhaltsprofilen (Content Profiles) erstellt werden, können in der IHE Cross-enterprise document sharing Architektur (XDS.b) abgelegt, gemäss IHE Cross-Enterprise Document Reliable Interchange (XDR) an einen Empfänger gesendet oder wie von IHE Cross-Enterprise Document Media Interchange (XDM) vorgegeben auf ein Medium geschrieben und von dort wieder gelesen werden. Das IHE Integrationsprofil XDS.b ist im Übrigen die Basis für das verteilte elektronische Patientendossier (EPD) in der Schweiz.

Die, im vorliegenden Austauschformat referenzierten IHE Inhaltsprofile referenzieren auf HL7 CDA R2 als Basisstandard für Dokumenteninhalte.

3.1.2 HL7 V3

HL7 steht für "Health Level Seven" und bezeichnet einen internationalen Standard zum elektronischen Austausch von Daten im Gesundheitswesen. Die Zahl „7“ bezieht sich auf die siebte Schicht des OSI Modells und drückt damit aus, dass HL7 primär die Kommunikation auf der applikatorischen Ebene standardisiert. HL7 hat seinen Ursprung 1987 in den USA. Mittlerweile ist es eine kommerzielle Organisation (HL7.org), die HL7 heute in den Versionen 2.x und 3.0 anbietet. Gleichzeitig ist HL7.org die Dachorganisation aller HL7 Benutzer und koordiniert deren Aktivitäten auch auf internationaler Ebene. HL7-Affiliates existieren inzwischen in über 30 Ländern, darunter auch in der Schweiz.

Das vorliegende Austauschformat baut auf HL7 Version 3 auf. Version 3 ist XML-basiert und fusst auf einem umfangreichen Objektmodell, dem Reference Information Model (RIM). Dieses Modell bildet die Grundlage für Standards wie die Clinical Document Architecture (CDA) und damit auch für dieses Austauschformat.

3.1.3 HL7 Clinical Document Architecture (CDA)

Die HL7 Clinical Document Architecture ist ein offizieller ANSI und HL7 Standard mit gültiger Fassung R2 aus dem Jahr 2005. Die HL7 CDA R2 ist eine von mehr als 30 verschiedenen Domänen der HL7 V3 Standards-Familie, welche objektorientiert entworfen worden und im sogenannten HL7 Reference Information Model (RIM) dokumentiert ist.

3.2 Gesetzgebung Elektronisches Patientendossier (EPDG)

Mit dem elektronischen Patientendossier sollen die Qualität der medizinischen Behandlung gestärkt, die Behandlungsprozesse verbessert, die Patientensicherheit erhöht und die Effizienz des Gesundheitssystems gesteigert sowie die Gesundheitskompetenz der Patientinnen und Patienten gefördert werden.

Das Bundesgesetz über das elektronische Patientendossier regelt die Rahmenbedingungen für die Einführung und Verbreitung des elektronischen Patientendossiers und ist seit 15. April 2017 in Kraft. Für die vorliegende Spezifikation sind demnach die gesetzlichen Grundlagen zum EPDG relevant. Gesetz, Verordnungen, Erläuterungen und weitere Dokumente können beim BAG unter diesem Link (<https://www.bag.admin.ch/bag/de/home/service/gesetzgebung/gesetzgebung-mensch-gesundheit/gesetzgebung-elektronisches-patientendossier.html>) bezogen werden.

Darüber sind auch OID Konzept, Empfehlungen und weitere Dokumente von "eHealth Suisse" (<https://e-health-suisse.ch>) relevant.

3.3 Übersetzungen

Diese Version des Dokuments ist in Deutsch und Französisch verfügbar.

4 Begriffsdefinitionen

In diesem Dokument verwendete Begriffe halten sich an die Begriffsdefinition im Glossar von eHealth Suisse (<https://www.e-health-suisse.ch/header/glossar.html>).

5 Anwendungsfälle

Die hier skizzierten Anwendungsfälle (UC = Use Case) beziehen sich auf Beispiele, wie sie heute bei den verschiedenen Akteuren im Schweizer Gesundheitswesen vorkommen, die mit dem vorliegenden Thema zu tun haben. Einige Anwendungsfälle werden erst möglich, wenn durch Import/Export-Mechanismen alle relevanten Informationen interoperabel fließen können.

Ziel ist einerseits die Bereitstellung von Informationen zum Gesundheitszustand des Patienten in einer menschlich lesbaren Form für die am Behandlungspfad beteiligten Personen. Andererseits sollen durch die elektronische Verarbeitung der Informationen Prozesse in den ICT-Systemen optimiert werden können.

Nachfolgend beschriebene Anwendungsfälle verdeutlichen diese Zusammenhänge im vorliegenden Kontext.

5.1 Einführung

Diese Spezifikation dient der Unterstützung des elektronischen Austauschs medizinischer Dokumente. Der bewusst weitgefaste Begriff des „medizinischen Dokuments“ ermöglicht die Anwendung dieser Vorgaben für eine Vielzahl von Situationen des medizinischen Alltags, insbesondere die Kommunikation mit Stellen in anderen Betrieben betreffend. Die Vielzahl der Dokumente wird anhand der folgenden, nicht abschliessenden Auflistung von Beispielen deutlich:

Dokumentart	Zweck	Beispiele
Medizinischer Bericht	Orientierung einer beteiligten Stelle über den Verlauf einer Behandlung	Austrittsbericht / Abschlussbericht, Übergabebrief an eine weiterbehandelnde Stelle, Zwischenbericht betreffend einer laufenden Behandlung
Auftrag	Auslösen einer Massnahme im Zusammenhang mit der Behandlung eines Patienten	Zuweisung zur stationären oder ambulanten Übernahme der Behandlung (z.B. Spitaleinweisung), Auftrag zur konsiliarischen Durchführung von diagnostischen oder therapeutischen Massnahmen, Weitere Verordnungen an beteiligte Stellen: SPITEX, Physiotherapie etc., Rezept
Bericht über Teilaspekte einer Behandlung	Orientierung über einzelne Teilaspekte einer Behandlung, häufig im Zusammenhang mit der Durchführung von therapeutischen oder diagnostischen Massnahmen	Operationsbericht, Laborresultate resp. Zusammenfassung der Laborresultate, Radiologiebefund, Pathologiebefund
Pflegeberichte	Orientierung über Pflegeinformationen betreffend Behandlung, Therapie und Pflege eines Patienten.	Pflegebericht, Behandlungsbericht Physiotherapie
etc.		

[Tabelle 1] Auflistung von Beispielen von medizinischen Dokumenten

Der Austausch medizinischer Dokumente kann verschiedene Ziele verfolgen:

- Als medizinischer Bericht dient er dem Informationsaustausch über Daten aus der Krankengeschichte eines Patienten zwischen Sender und Empfänger eines Dokumentes.
- In Form eines Auftrags dient er der Veranlassung weiterer Massnahmen durch den Empfänger eines Dokumentes in Bezug auf eine Patientenbehandlung.

Medizinische Dokumente sind traditionell zumeist in Absätzen gegliedert und häufig ausgezeichnet durch eine Überschrift. Die Absätze entsprechen dabei jeweils einer Informations-Entität oder einem Informationsaspekt, wie in den nachfolgenden Beispielen verdeutlicht wird. Allerdings ergibt sich die Wertigkeit einer Entität häufig erst aus dem Gesamtkontext eines Dokumentes. Abschnitte mit ähnlich lautender oder gleichlautender Bezeichnung sind also nicht in jedem Fall Sinn-äquivalent. So wird z.B. die Liste der Operationsdiagnosen aus einem Operationsbericht häufig nicht deckungsgleich mit der Diagnosenliste des späteren Austrittsberichtes dieses Patienten sein.

Der Austausch von Dokumenten ist meist Teil eines Workflows. Oft werden auch mehrere Dokumente, bezugnehmend aufeinander, im Rahmen eines medizinischen Ablaufes ausgetauscht. So wird sich der Befund einer diagnostischen Untersuchung beispielsweise auf die Fragestellung beziehen, welche im Auftrag zu dieser Untersuchung formuliert wurde. Es ist nicht Gegenstand des vorliegenden Dokumentes, Empfehlungen zur Implementierung medizinischer Abläufe abzugeben. Allerdings soll die Integration elektronischer Workflows durch die Definitionen dieser Spezifikation erleichtert und vereinfacht werden. Zur Demonstration der möglichen Ausgestaltung medizinischer Dokumente wird nachfolgend zusammenfassend das in CDA-CH V1 (2009) ausführlich beschriebene Fallbeispiel "Hüftgelenkersatz" dargestellt.

Die, in den nachfolgenden Unterkapiteln genannten Fallbeispiele sind frei erfunden und haben keinen didaktischen Anspruch. Sie könnten sich tatsächlich so abspielen, und dienen somit der Veranschaulichung der Situation. Gleiches gilt für die erwähnten Dokumente, deren Inhalte auf das Fallbeispiel abgestimmt sind.

5.2 Storyboard "Hüftgelenkersatz"

Dieses Fallbeispiel dient lediglich der Illustrierung für eine mögliche Umsetzung der vorliegenden Spezifikation und ist selbstverständlich nicht als Vorgabe zu werten.

Ein 70-jähriger Patient wendet sich wegen belastungsabhängigen Schmerzen im rechten Hüftgelenk, welche schon seit längerer Zeit bestehen, in den vergangenen Monaten aber deutlich zugenommen haben, an seinen Hausarzt.

Aufgrund der Anamnese und des klinischen Status des Patienten stellt der Hausarzt die Verdachtsdiagnose einer Arthrose des rechten Hüftgelenkes als Ursache für die Beschwerden. Der Hausarzt entschliesst sich, den Verdacht durch eine Röntgenuntersuchung des Hüftgelenkes zu bestätigen. Da er selbst keine Röntgenuntersuchungen durchführt, meldet er den Patienten in einem externen Röntgeninstitut mittels eines Auftragsformulars an und vereinbart auch gleich einen Untersuchungstermin. Die Bilder der Untersuchung sowie ein Röntgenbefund mit Beurteilung durch den radiologischen Facharzt werden dem Hausarzt kurz nach Durchführung der Untersuchung zugestellt.

Bei der nächsten Konsultation bespricht der Hausarzt die Situation mit dem Patienten. Es wird gemeinsam entschieden, den Patienten an einen Facharzt für Orthopädie zur Besprechung der Therapieoptionen zu überweisen. Der Hausarzt verfasst einen Überweisungsbericht, welcher den bisherigen Krankheitsverlauf und die Untersuchungsergebnisse umreisst und übermittelt diesen, zusammen mit den Röntgenbildern an die Praxis des Orthopäden.

Nachdem er sich über den radiologischen Befund anhand der übermittelten Röntgenbilder bereits vorgängig orientiert hat, empfiehlt der Orthopäde dem Patienten die operative Sanierung des rechten Hüftgelenkes mittels Implantation einer Hüftgelenks-Endoprothese. Der Patient erklärt sich mit dem Vorschlag einverstanden.

Der Orthopäde informiert den Hausarzt über den Entscheid und bittet ihn, die Spitaleinweisung zu organisieren und die präoperativen Laboruntersuchungen in der Hausarztpraxis durchzuführen.

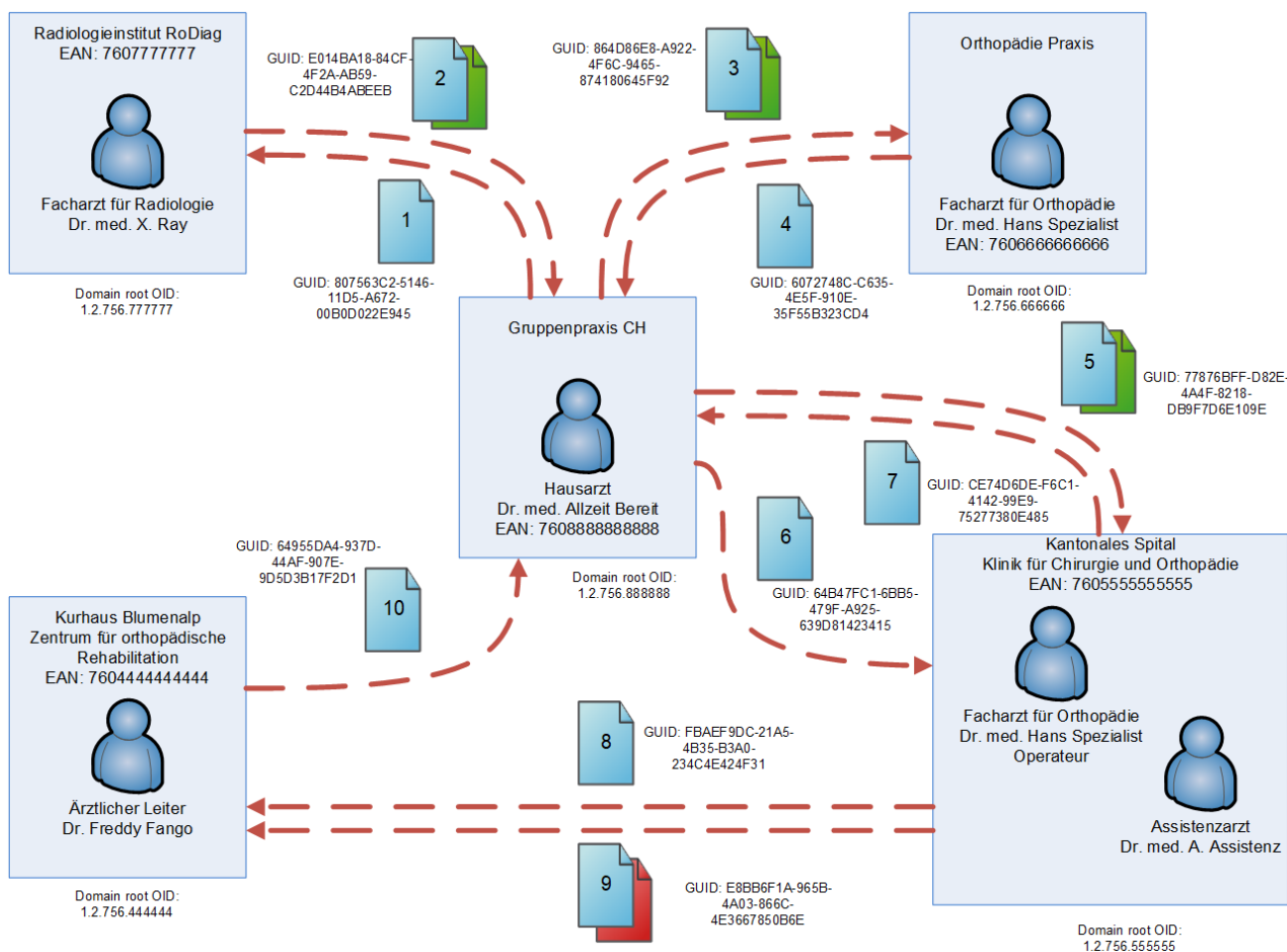
Kurz vor dem Spitaleintritt hat der Patient einen Termin bei seinem Hausarzt, um die vor der Operation notwendigen Laborwerte bestimmen zu lassen. Die Laborwerte werden vom Hausarzt der Klinik übermittelt, wo sie ins elektronische Patientendossier aufgenommen werden.

Während der Operation stehen dem Orthopäden die Röntgenbilder der Hüfte zur Verfügung. Die Lage der Endoprothese wird intraoperativ mittels C-Bogen kontrolliert. Postoperativ werden in der Klinik erneut Kontroll-Röntgenbilder der Hüfte erstellt. Der Orthopäde dokumentiert den Operationsverlauf und gibt Instruktionen für die weitere Nachbehandlung in einem Operationsbericht. Dem Hausarzt wird eine Kopie dieses Operationsberichtes zugestellt.

Der Patient kann nach einer Woche Spitalaufenthalt in eine stationäre Rehabilitation entlassen werden. Die Ärztliche Leitung des Rehabilitationshauses wird über den Krankheits- und OP-Verlauf durch einen zusammenfassenden Entlassbrief informiert. Dem Bericht werden eine Zusammenfassung der Laborresultate, eine Kopie der Röntgenbilder und eine Kopie des Operationsberichts beigelegt. Der Hausarzt erhält ebenfalls eine Kopie des Austrittsberichtes.

Nach abgeschlossener Rehabilitation des Patienten erstellt die Rehabilitationsklinik ihrerseits einen orientierenden Bericht zuhanden des Hausarztes mit Kopie an den Orthopäden. Die Behandlung wird mit einer Abschlusskonsultation beim Hausarzt schliesslich beendet.

Dokumenten-Workflow Fallbeispiel Hüftgelenkersatz



[Abbildung 2] Dokumenten-Workflow Fallbeispiel Hüftgelenkersatz

5.2.1 UC 1-1: Zuweisung zur Radiologischen Diagnostik

Ein Patient wird dabei durch seinen Arzt zur radiologischen Untersuchung angemeldet. Es wird um Rückmeldung eines möglichen Termins ersucht. Der resultierende Radiologiebefund wird Bezug nehmen auf dieses Zuweisungsschreiben. Es handelt sich im obigen Fallbeispiel um den Auftrag zur radiologischen Untersuchung vom Hausarzt an das Radiologieinstitut.

Umsetzungsbeispiele:

- Papier/PDF: CDA-CH V1.2 (2009) (https://www.hl7.ch/default/assets/File/Publikationen/CDA-CH_de_V1_2.pdf). Siehe dort Kapitel "12.7.1 Zuweisung zur Radiologischen Diagnostik"
- Elektronisch: 1-Zuweisung zur Radiologischen Diagnostik.xml (<https://svn.code.sf.net/p/hl7ch/code/trunk/projects/HL7.ch/HipJointReplacement-de/v2.0/1-Zuweisung%20zur%20Radiologischen%20Diagnostik.xml>)

5.2.2 UC 1-2: Rückmeldung Radiologiebefund

Dieses Dokument beinhaltet die Rückmeldung der vorgängig beauftragen Radiologieuntersuchung und nimmt Bezug auf das Zuweisungsschreiben. Es handelt sich im obigen Fallbeispiel um die Rückübermittlung der resultierenden Bilder und des Befundes vom Radiologen an den Hausarzt.

Umsetzungsbeispiele:

- Papier/PDF: CDA-CH V1.2 (2009) (https://www.hl7.ch/default/assets/File/Publikationen/CDA-CH_de_V1_2.pdf). Siehe dort Kapitel "12.7.2 Rückmeldung Radiologiebefund"
- Elektronisch: 2-Rückmeldung Radiologiebefund.xml (<https://svn.code.sf.net/p/hl7ch/code/trunk/projects/HL7.ch/HipJointReplacement-de/v2.0/2-Radiologischer%20Befund.xml>)

5.2.3 UC 1-3: Überweisung zur konsiliarischen Beurteilung durch den Facharzt

Ein Patient wird durch seinen Hausarzt zur konsiliarischen Beurteilung an einen Facharzt überweisen. Es handelt sich im obigen Fallbeispiel um das Überweisungsschreiben vom Hausarzt an den Orthopäden, zusammen mit den Röntgenbildern und einer Zusammenfassung der Vorgeschichte und der erhobenen Befunde.

Umsetzungsbeispiele:

- Papier/PDF: CDA-CH V1.2 (2009) (https://www.hl7.ch/default/assets/File/Publikationen/CDA-CH_de_V1_2.pdf). Siehe dort Kapitel "12.7.3 Überweisung zur konsiliarischen Beurteilung durch den Facharzt"
- Elektronisch: 3-Überweisung zur konsiliarischen Beurteilung durch den Facharzt.xml (<https://svn.code.sf.net/p/hl7ch/code/trunk/projects/HL7.ch/HipJointReplacement-de/v2.0/3-Ueberweisung%20zur%20konsiliarischen%20Beurteilung.xml>)

5.2.4 UC 1-4: Konsiliarbericht

Konsiliarischer Untersuchungsbericht des Facharztes an den Hausarzt. Dieses Dokument beinhaltet die Rückmeldung der vorgängig beauftragen Radiologieuntersuchung und nimmt Bezug auf das Zuweisungsschreiben. Es handelt sich im obigen Fallbeispiel um den ärztlichen Bericht des Orthopäden an den Hausarzt mit der fachärztlichen Beurteilung und einer Beschreibung des weiteren Vorgehens (OP).

Umsetzungsbeispiele:

- Papier/PDF: CDA-CH V1.2 (2009) (https://www.hl7.ch/default/assets/File/Publikationen/CDA-CH_de_V1_2.pdf). Siehe dort Kapitel "12.7.4 Konsiliarbericht"

- Elektronisch: 4-Konsiliarbericht.xml (<https://svn.code.sf.net/p/hl7ch/code/trunk/projects/HL7.ch/HipJointReplacement-de/v2.0/4-Konsiliarbericht.xml>)

5.2.5 UC 1-5: Reguläre Spitaleinweisung

Einweisung eines Patienten durch den Hausarzt zur stationären Behandlung in einer Klinik. Es handelt sich im obigen Fallbeispiel um die Bitte des Hausarztes an das Spital, den Patienten zur Operation anzubieten.

Umsetzungsbeispiele:

- Papier/PDF: CDA-CH V1.2 (2009) (https://www.hl7.ch/default/assets/File/Publikationen/CDA-CH_de_V1_2.pdf). Siehe dort Kapitel "12.7.5 Reguläre Spitaleinweisung"
- Elektronisch: 5-Reguläre Spitaleinweisung.xml (<https://svn.code.sf.net/p/hl7ch/code/trunk/projects/HL7.ch/HipJointReplacement-de/v2.0/5-Spitalzuweisung.xml>)

5.2.6 UC 1-6: Präoperative Untersuchungsergebnisse

Übermittlung der, vor der Hospitalisation in der Hausarztpraxis erhobenen Befunde ans Spital. Es handelt sich im obigen Fallbeispiel um die aktuellen Befunde aus der körperlichen Untersuchung und Übermittlung von Laboranalyse-Ergebnissen vom Hausarzt ans Spital.

Umsetzungsbeispiele:

- Papier/PDF: CDA-CH V1.2 (2009) (https://www.hl7.ch/default/assets/File/Publikationen/CDA-CH_de_V1_2.pdf). Siehe dort Kapitel "12.7.6 Präoperative Untersuchungsergebnisse"
- Elektronisch: 6-Präoperative Untersuchungsergebnisse.xml (<https://svn.code.sf.net/p/hl7ch/code/trunk/projects/HL7.ch/HipJointReplacement-de/v2.0/6-Präoperative%20Untersuchung.xml>)

5.2.7 UC 1-7: Operationsbericht

In Form eines Operationsberichtes dokumentiert der Operateur durchgeführte Eingriffe. Es ist die Dokumentation der durchgeführten Operation für die Spitalakte. Kopien dieses Dokuments werden üblicherweise an die direkt an der Behandlung beteiligten Stellen geschickt: an den zuweisenden Arzt und gegebenenfalls an weitere behandelnde Stellen. Es handelt sich im obigen Fallbeispiel um den Operationsbericht des Orthopäden an den Hausarzt.

Umsetzungsbeispiele:

- Papier/PDF: CDA-CH V1.2 (2009) (https://www.hl7.ch/default/assets/File/Publikationen/CDA-CH_de_V1_2.pdf). Siehe dort Kapitel "12.7.7 Operationsbericht"
- Elektronisch: 7-Operationsbericht.xml (<https://svn.code.sf.net/p/hl7ch/code/trunk/projects/HL7.ch/HipJointReplacement-de/v2.0/7-Operationsbericht.xml>)

5.2.8 UC 1-8: Kurzbericht bei Spitalentlassung

Kurzbericht, kann dem Patienten bei Austritt direkt mitgegeben werden und dient zur Groborientierung des nachbehandelnden Arztes. Es handelt sich im obigen Fallbeispiel um eine Grobinformation des Spitals an den nachbehandelnden Arzt im Rehabilitationszentrum.

Umsetzungsbeispiele:

- Papier/PDF: CDA-CH V1.2 (2009) (https://www.hl7.ch/default/assets/File/Publikationen/CDA-CH_de_V1_2.pdf). Siehe dort Kapitel "12.7.8 Kurzbericht bei Spitalentlassung"

- Elektronisch: 8-Kurzbericht bei Spitalentlassung.xml (<https://svn.code.sf.net/p/hl7ch/code/trunk/projects/HL7.ch/HipJointReplacement-de/v2.0/8-Kurzbericht%20bei%20Spitalentlassung.xml>)

5.2.9 UC 1-9: Spital-Austrittsbericht

Zusammenfassung der Patientenakte bezogen auf die aktuelle Behandlung. Dieses Dokument soll eine Übersicht über die behandlungsrelevanten Fakten ermöglichen. Eine Kopie des Dokumentes geht üblicherweise an den zuweisenden Arzt und gegebenenfalls an weitere behandelnde Stellen. Es handelt sich im obigen Fallbeispiel um das Überweisungsschreiben an die Rehabilitationsklinik (inklusive postoperative Röntgenbilder mit der Total-Endoprothese und Zusammenfassung der Laborresultate) mit Kopie an den Hausarzt.

Umsetzungsbeispiele:

- Papier/PDF: CDA-CH V1.2 (2009) (https://www.hl7.ch/default/assets/File/Publikationen/CDA-CH_de_V1_2.pdf). Siehe dort Kapitel "12.7.9 Spital-Austrittsbericht"
- Elektronisch: 9-Spital-Austrittsbericht.xml (<https://svn.code.sf.net/p/hl7ch/code/trunk/projects/HL7.ch/HipJointReplacement-de/v2.0/9-Spital-Austrittsbericht.xml>)

5.2.10 UC 1-10: Austrittsbericht Reha-Klinik

Bericht über den Rehabilitationsverlauf, mit Kopie an gewisse in die Behandlung involvierte Stellen. Es handelt sich im obigen Fallbeispiel um den Entlassbrief der Rehabilitationsklinik an den Hausarzt mit Kopie an den Orthopäden.

Umsetzungsbeispiele:

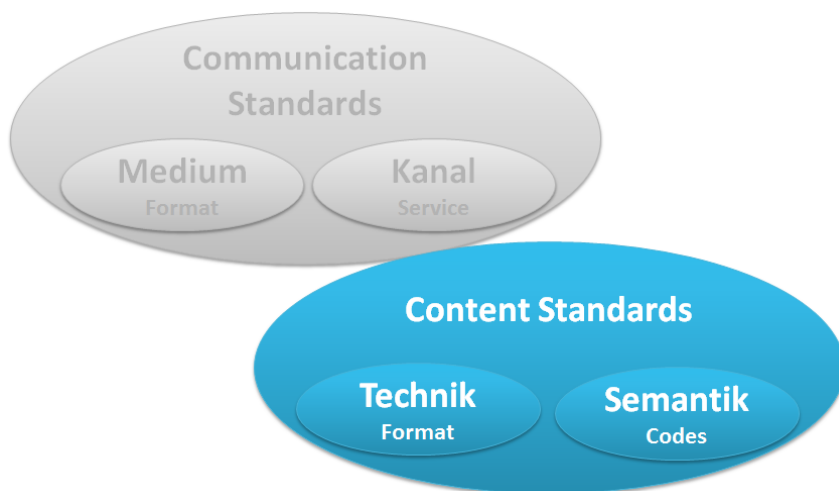
- Papier/PDF: CDA-CH V1.2 (2009) (https://www.hl7.ch/default/assets/File/Publikationen/CDA-CH_de_V1_2.pdf). Siehe dort Kapitel "12.7.10 Austrittsbericht Reha-Klinik"
- Elektronisch: 10-Austrittsbericht Reha-Klinik.xml (<https://svn.code.sf.net/p/hl7ch/code/trunk/projects/HL7.ch/HipJointReplacement-de/v2.0/10-Austrittsbericht%20stationaere%20Rehabilitation.xml>)

6 Empfehlungen

Dieses Kapitel enthält Empfehlungen, welche im Sinne einer Harmonisierung hilfreich sind. Die nachfolgend genannten Empfehlungen können auch als "Best practices" betrachtet werden. Die nachfolgend genannten Empfehlungen sind nicht normativ und deren Umsetzung somit freiwillig.

6.1 Transportmechanismus

Die vorstehend beschriebenen Anwendungsfälle erfordern eine Kommunikation zwischen den Applikationen bei Sender und Empfänger. Bei der Implementierung ist zwischen medizinischem bzw. fachlichem Inhalt (Content) und eigentlichem Transport dieser Inhalte (Communication) zu unterscheiden.



[Abbildung 3] *Communication vs. Content*

Das vorliegende Dokument spezifiziert den Inhalt (Content). Die Spezifikation des Transportweges ist nicht Teil dieses Dokumentes.

6.1.1 Empfehlung zum Transportmechanismus

Der Inhalt (Content), der mit vorliegendem Dokument spezifiziert wird, soll mit sogenannten Metadaten (Angaben zum Typ, Inhalt, Autor, Empfänger, Patient, etc.) angereichert werden und als Paket (Dokument plus Metadaten) über einen sicheren Kanal übertragen werden. Dazu eignen sich folgende Transaktionen aus dem IHE IT Infrastructure Technical Framework (http://www.ihe.net/technical_frameworks/#IT):

- Cross-Enterprise Document Media Interchange (XDM)
 - Distribute Document Set on Media [ITI-32]
- Cross-Enterprise Document Reliable Interchange (XDR)
 - Provide and Register Document Set-b [ITI-41]
- Cross-Enterprise Document Sharing (XDS.b)
 - Provide and Register Document Set-b [ITI-41]
 - Registry Stored Query [ITI-18]
 - Retrieve Document Set [ITI-43]

Diese Transaktionen sind auch Rahmen des elektronischen Patientendossiers (EPD) anwendbar.

6.2 Umgang mit Metadaten

Wie bei den Empfehlungen zum Transportmechanismus genannt und auch im Zusammenhang mit dem elektronischen Patientendossier ist ein harmonisierter Umgang mit Metadaten zu den Dokumenten, welche mit CDA-CH V2 erstellt werden, sehr empfehlenswert.

In den Header Informationen eines HL7 CDA Dokuments befinden sich zahlreiche Informationen, die auch in den Metadaten einer IHE XDS.b Registry genannt werden. Unabhängig davon, ob es sich um eine IHE XDS.b Umgebung im Rahmen des EPDG handelt oder ob es sich um eine andere Affinity Domain (auch Gemeinschaft oder Community genannt) handelt, können bestimmte XDS.b Metadaten aus den CDA Header Informationen extrahiert werden. Dabei gilt zu beachten, dass mit dem IHE Profil 'XDS Metadata Update' die Metadaten in einer XDS.b Registry verändert werden können. Die Metadaten im CDA Dokument bleiben dabei aber unverändert.

eHealth Suisse hat hier konkrete Umsetzungshinweise zum Mapping Metadaten und dem Einsatz von Value Sets dokumentiert: Metadaten gemäss EPDV (http://e-health-wiki.ch/index.php/epdv:Metadaten_gem%C3%A4ss_EPDV).

6.3 Umgang mit Original Darstellung und PDF Dokumenten

Die Digitalisierung ist ein grosser Fortschritt, der gerade auch bei betriebsübergreifenden Prozessen zahlreiche Verbesserungen mit sich bringen kann.

So ist z.B. aus Sicht eines Spitals die Liste der aktuellen Medikamente, die ein Patient beim Austritt einnimmt, in der Regel ein Kapitel am Ende des Spitalaustrittsberichts. Gerade diese Liste ist aber für die nachbehandelnde Stelle besonders wichtig. Es macht also durchaus Sinn, für die Darstellung des Spitalaustrittsberichts im Spital und bei der nachbehandelnden Stelle (z.B. Hausarzt, Spitex oder Rehabilitations-Klinik) verschiedene Stylesheets auf das gleiche CDA Dokument anzuwenden. Damit kann bei der nachbehandelnden Stelle das Kapitel mit den Medikamenten bei Austritt aus dem Spital zuoberst dargestellt werden. Das erlaubt es den nachbehandelnden Gesundheitsfachpersonen wichtige Informationen zuerst zu finden.

Ein anderes Beispiel findet man bei Laborbefunden: Für die Laboratorien ist es wichtig, dass der Empfänger die Originaldarstellung eines Laborbefundes erhalten kann, weil die elektronisch strukturierten Befunde (oft auch in Form von HL7 V2 Nachrichten ausgetauscht) nicht in allen Empfänger-Systemen korrekt wiedergegeben werden. Die Laboratorien können aber für falsche Darstellungen keine Verantwortung tragen und dies gilt nicht nur für HL7 V2 Nachrichten, sondern auch für Laborbefunde basierend auf HL7 CDA (z.B. mit dem Austauschformat eLaborbefund – CDA-CH-LREP).

Die Verantwortung für die korrekte Anwendung von Gesundheitsinformationen in einem CDA Dokument kann also nicht alleine vom Absender (Autor/Unterzeichner) wahrgenommen werden, sondern der Empfänger muss ebenfalls seine Verantwortung wahrnehmen. Der rechtsgültige Unterzeichner eines CDA Dokuments kann keinesfalls dafür haften, wenn beim Empfänger infolge der Anwendung eines anderen Stylesheets bestimmte Informationen anders, falsch oder gar nicht dargestellt werden.

Es geht aber nicht darum, aus diesem Grund auf die Anwendung von CDA Dokumenten zu verzichten, sondern es geht darum, die daraus entstehenden Vorteile (wie oben anhand des Beispiels der Medikamentenliste beschrieben) zu nutzen, ohne aber neue Probleme im Bereich der Verantwortung oder Haftung zu schaffen.

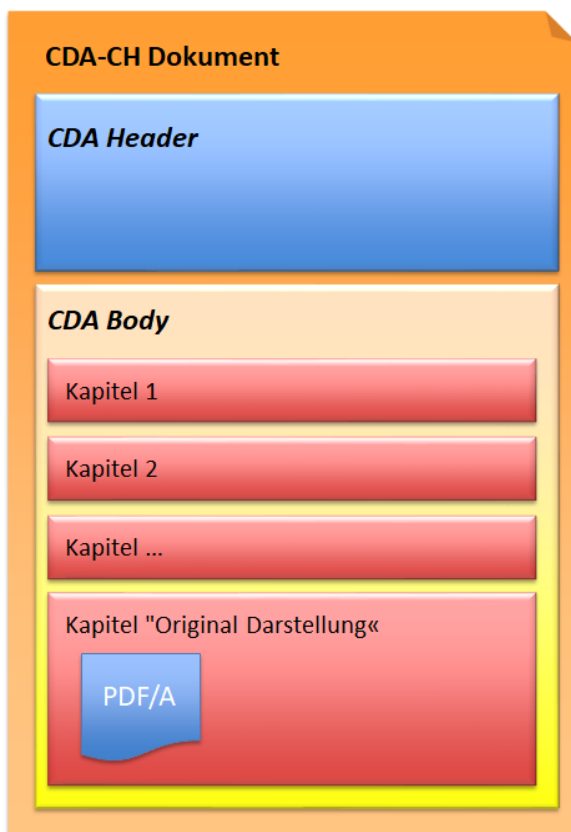
Aus diesen Gründen sind nachfolgende Empfehlungen hervorgegangen.

6.3.1 Empfehlung zum Umgang mit der Original Darstellung

- In einem CDA Dokument soll, wenn es der Autor des Dokuments als wichtig erachtet oder wenn es in einem bestimmten Anwendungsfall notwendig ist, die Originaldarstellung so mit-

gegeben werden wie sie der rechtsgültige Unterzeichner zum Zeitpunkt seiner Signatur gesehen hat. Ob also die Original Darstellung in ein CDA Dokument integriert wird, ist somit auf der Ebene von CDA-CH V2 freiwillig. Eine Präzisierung dazu kann in den Austauschformaten festgehalten werden, welche von CDA-CH V2 ableiten.

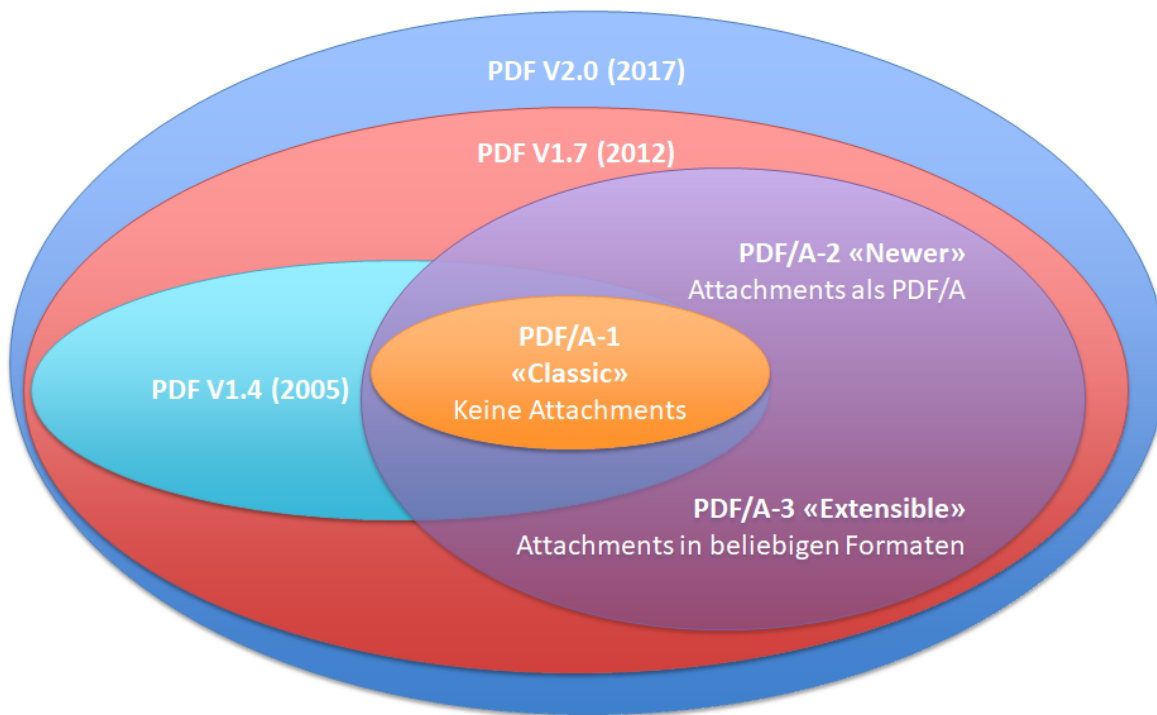
- Wenn die Originaldarstellung mitgegeben wird, dann soll sie in Form eines PDF Dokuments in HL7 CDA Dokumente integriert werden (siehe CDA Beispieldokument mit eingebetteter Original Darstellung im PDF/A Format (<https://svn.code.sf.net/p/hl7ch/code/trunk/projects/HL7.ch/BestPractices/v2.0/CdaContainingOriginalRepresentationAsPdfA.xml>)).



[Abbildung 4] *Original Darstellung mittels eingebettetem PDF/A im CDA Body*

6.3.2 Empfehlung zum Umgang mit PDF Dokumenten

- Wenn PDF Dokumente in einem CDA Dokument eingebettet oder referenziert werden, dann sollen diese in Form von PDF/A in CDA integriert werden. Dies gilt sowohl für die Original Darstellung, wie auch für allfällige Beilagen oder referenzierte Dokumente.
- Dabei soll die Ausprägung PDF/A-1 verwendet werden, denn PDF/A-1 basiert auf PDF V1.4 und ist somit auch mit älteren Systemen erzeug- und nutzbar.
- Dabei soll der Konformitätsgrad PDF/A-1a eingehalten werden, denn jedes Dokument, welches dem strengeren Standard PDF/A-1a genügt, genügt auch dem weniger strengen Standard PDF/A-1b.
- PDF Dokumente in den Ausprägungen PDF/A-2 oder PDF/A-3 sollen im Zusammenhang mit CDA-CH nicht verwendet werden. Stattdessen sollen die mit PDF/A-2 oder PDF/A-3 spezifizierten Attachments als eigenständige Attachments in CDA eingebettet oder referenziert werden.



[Abbildung 5] PDF/A Ausprägungen

6.3.3 Hinweise und Begründungen zu den obenstehenden Empfehlungen

- Die Einbettung von Multimedia Objekten (also auch PDF Dokumente) in ein HL7 CDA Dokument erfolgt Base64 (<https://de.wikipedia.org/wiki/Base64>) codiert, damit auch binäre Datenströme in XML eingebettet werden können.
- Es würde auch die Varianten geben, CDA- und PDF-Dokumente separat als eigenständige Dokumente zu übertragen und miteinander zu verlinken oder das CDA Dokument als XML Element in das PDF Dokument zu integrieren. Auf diese Varianten wird aber nicht eingegangen.

Gründe für den Variantenentscheid, CDA in PDF zu integrieren:

- Aus Sicht der Softwarehersteller ist es wichtig, dass für die Umsetzung der Original Darstellung nur eine von mehrere Varianten implementiert werden muss (Vermeidung von n*m Schnittstellen).
- HL7 CDA Dokumente sind XML Dokumente. XML kann in den gängigen Datenbanksystemen als eigenständiger Datentypen abgelegt und zu einem späteren Zeitpunkt mittels Datenbankabfragen wieder strukturiert ausgewertet werden.
- PDF/A ist unabdingbar:
 - Ein herkömmliches PDF ist nicht geeignet für eine Langzeitarchivierung, weil wichtige Informationen (wie z.B. die Schriftart) nicht zwingend im Dokument eingebettet sein müssen, die aber für die identische Darstellung auf einem anderen Computer essentiell sind.
 - Sowohl das Merkblatt Archivtaugliche Dateiformate (https://www.bar.admin.ch/dam/bar/de/dokumente/konzepte_und_weisungen/archivtaugliche_dateiformate.1.pdf.download.pdf/archivtaugliche_dateiformate.pdf) des Bundesarchivs, sowie auch der Anhang 2 der Verordnung des EDI über das elektronische Patientendossier (Zertifizierungsvoraussetzungen Gemeinschaften und Stammgemeinschaften) (<https://www.bag.admin.ch/dam/bag/de/dokumente/nat-gesundheitsstrategien/strategie-ehealth/gesetzgebung-elektronisches->

[patientendossier/gesetze/SR%20816.111.1_anhang-2.pdf.download.pdf/SR%20816.111.1_Anhang%202_DE.pdf](#)) verlangen deshalb PDF/A.

- Die PDF Ausprägungen (A-1, A-2, A-3) sind nicht voneinander ableitbar und auch nicht ineinander subsummierbar. Bei vielen der gängigen PDF Validatoren muss deshalb der PDF Konformitätsgrad vor der Validierung definiert werden. Sollten also mehrere PDF Ausprägungen zugelassen werden, müsste die Validierung pro eingebettetes PDF Dokument mehrmals aufgerufen werden.
- Die obenstehende Empfehlung nach dem Konformitätsgrad PDF/A-1a erfüllt einerseits die Anforderungen des Bundesarchivs und des EPDG und es sind andererseits genügend Softwarekomponenten für die Generierung von PDF Dokumenten auf dem Markt, welche diesen Standard erfüllen.

6.4 Umgang mit Identifikatoren

Bei den nachfolgenden Empfehlungen zu Identifikatoren wird Rücksicht genommen auf die rechtlichen Vorgaben in der Schweiz und es gilt zu berücksichtigen, dass CDA-CH V2 sowohl im Rahmen verschiedener Gesetze (z.B. EPDG^[Anmerkung 2], EpG^[Anmerkung 3], IVG^[Anmerkung 4], AHVG^[Anmerkung 5], KVG^[Anmerkung 6], etc.), wie auch im bilateralen Austausch zwischen Behandelnden oder Gesundheitseinrichtungen eingesetzt wird. Die nachfolgenden Empfehlungen zu Identifikatoren erfüllen diese übergeordneten Vorgaben. Weitere Vorgaben werden in CDA-CH V2 nicht formuliert. Solche können gegebenenfalls in den Austauschformaten festgehalten werden, welche von CDA-CH V2 ableiten.

6.4.1 Empfehlung zum Umgang mit Identifikatoren für Patienten

Folgende Identifikatoren für Patienten sollen in CDA-CH V2 Dokumenten verwendet werden:

- Alle lokalen Identifikatoren der Primärsysteme
- Eindeutige Patientenidentifikation im Master-Patient Index einer Gemeinschaft (MPI-PID)

Folgende Identifikatoren für Patienten sollen in CDA-CH V2 Dokumenten nur nach Prüfung der gesetzlichen Grundlage verwendet werden:

- AHV Nummer (Sozialversicherungsnummer)
Darf bei der Einstellung des Dokuments ins EPD nicht vorhanden sein. Ausserhalb des EPD legen Artikel 50d und 50e AHVG den allgemeinen Rahmen der gesetzlichen Grundlagen für die systematische Verwendung der AHV Nummer fest. Diese hängen von der Art der Organisation sowie ihren Tätigkeiten ab. So dürfen Leistungserbringer nach KVG in bestimmten Fällen die AHV Nummer nutzen. Es obliegt allein der Organisation, die massgebliche gesetzliche Grundlage zu benennen.
- Patientenidentifikationsnummer (EPR-SPID)
Diese wird im Rahmen des EPDG bei Eröffnung eines Patientendossiers einem Patienten von der ZAS^[Anmerkung 7] herausgegeben und darf gemäss EPDG, Art. 6 nur verwendet werden, wenn eine formelle gesetzliche Grundlage dies vorsieht sowie der Verwendungszweck und die Nutzungsberechtigten bestimmt sind.

6.4.2 Empfehlung zum Umgang mit Identifikatoren für Behandelnde und Gesundheitseinrichtungen

Folgende Identifikatoren für Behandelnde und Gesundheitseinrichtungen sollen in CDA-CH V2 Dokumenten verwendet werden:

- Alle lokalen Identifikatoren der Primärsysteme
- Eindeutige Identifikation von Behandelnden und Gesundheitseinrichtungen, sowie Gruppen von Behandelnden im Healthcare Provider Directory einer Gemeinschaft (HPD-ID):

- Für Behandelnde und Gesundheitseinrichtungen ist insbesondere die GLN erlaubt und empfohlen.
Hinweis: Ab 15.4.2020 wird die GLN im Rahmen des EPDG für alle Behandelnden zwingend.
- Für Gruppen von Behandelnden ist insbesondere die OID, wie sie gemäss Ergänzung 1 zu Anhang 5 der EPDV-EDI (Nationale Anpassungen) eingetragen wird, erlaubt und empfohlen.

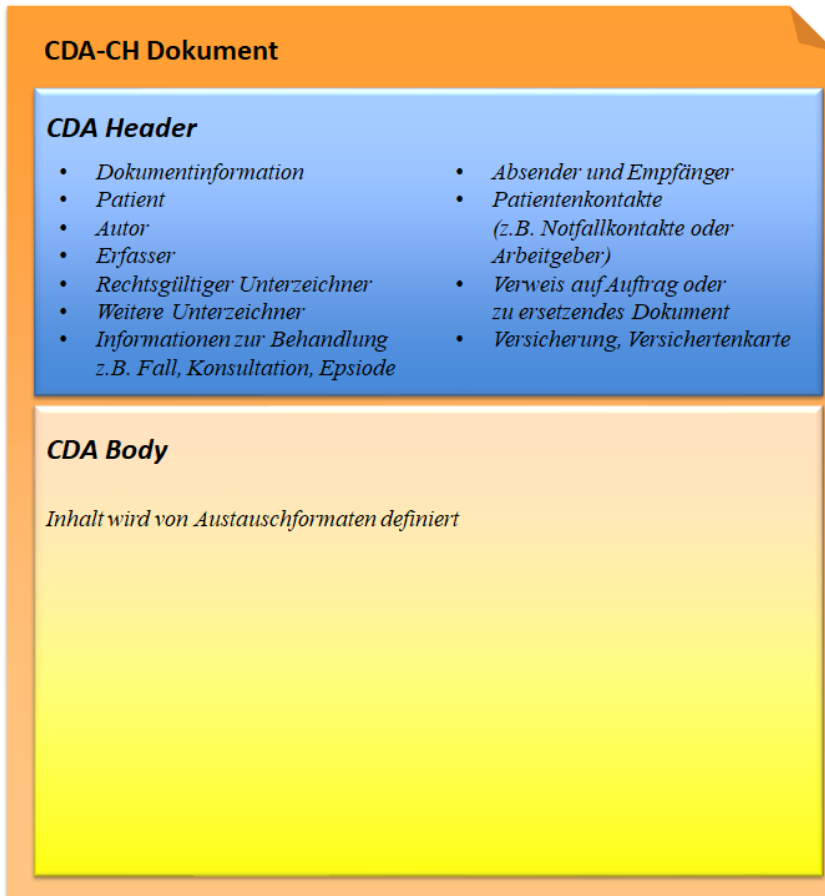
Folgende Identifikatoren für Behandelnde und Gesundheitseinrichtungen sollen in CDA-CH V2 Dokumenten nicht verwendet werden:

- AHV Nummer (Sozialversicherungsnummer)
- Patientenidentifikationsnummer (EPR-SPID)

7 Spezifikation (normativ)

7.1 Vereinfachte Zusammenfassung der CDA Struktur

Die genaue Struktur des CDA Dokuments ist in den nachfolgenden Kapiteln im Detail beschrieben. Dem eiligen Leser bieten wir hier eine stark vereinfachte Zusammenfassung der Elemente in der vorliegenden Spezifikation.

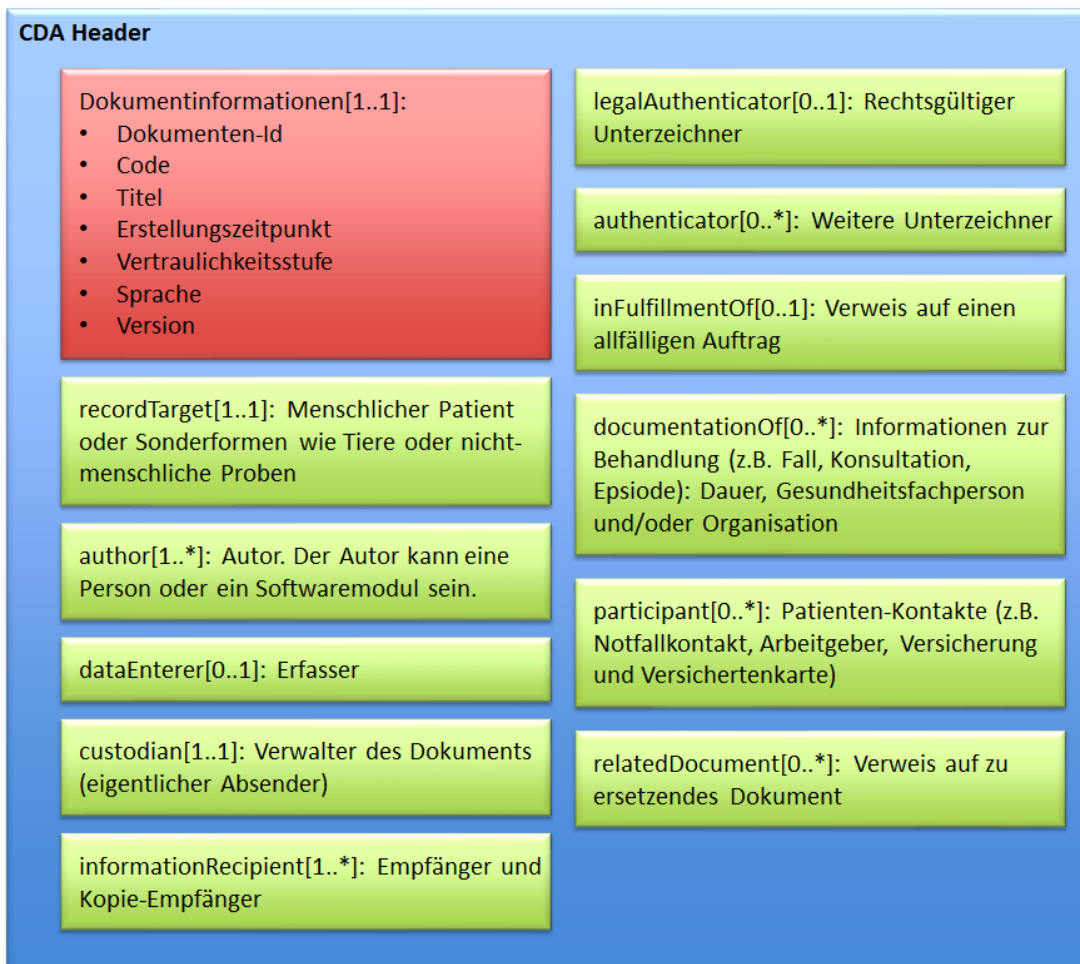


[Abbildung 6] *Inhalt CDA Dokument*

Die Auflistungen und Abbildungen in diesem Kapitel (inkl. Unterkapitel) enthalten vereinfachte Darstellungen des Dokumenteninhalts und zeigen den Inhalt des CDA Dokuments symbolhaft auf.

7.1.1 CDA Header

- Dokumentinformation (Dokumenten-Id, Code, Titel, Erstellungszeitpunkt, Vertraulichkeitsstufe, Sprache, Version)
- Angaben zum Patient (Patientenidentifikation, Name, Adresse, Geburtsdatum, Geburtsort, Geschlecht, Zivilstand, Religion, Sprachfähigkeiten) resp. zu nicht-menschlichen Proben
- Mitwirkende am Dokument: Autoren, Erfasser
- Rechtsgültiger Unterzeichner, weitere Unterzeichner wie z.B. klinische Validatoren
- Absender (Verwalter)
- Empfänger inkl. allfälliger Kopie-Empfänger
- Patienten-Kontakte (z.B. Notfallkontakt, Arbeitgeber, Versicherung und Versichertenkarte)
- Verweis auf den Auftrag oder ein allfällig zu ersetzendes Dokument



[Abbildung 7] *Administrative Daten im CDA Header*

7.1.2 CDA Body

Der CDA Body wird von dieser Spezifikation nicht normiert. Die medizinischen Inhalte im CDA Body werden von den entsprechenden Austauschformaten spezifiziert.

7.2 Allgemeines

Ein Dokument, welches anhand dieser Spezifikation erstellt wird, ist ein HL7 CDA Dokument und damit ein definiertes und komplettes Informationsobjekt, das Texte, Bilder und andere multimediale Objekte enthalten kann. CDA Dokumente dokumentieren den Gesundheitszustand eines Patienten zu einem bestimmten Zeitpunkt. Sie enthalten administrative (Header) und medizinische (Body) Daten und sind mittels eXtensible Markup Language (XML) kodiert.

Die normative Spezifikation definiert das Dokument „CDA-CH 2017 (specification)“ als HL7 CDA Vorlage, welche helvetische Präzisierungen für den CDA Header festlegt. Damit produzierte Dokumente sind vollständig kompatibel zum internationalen HL7 CDA R2 Standard (Normative Edition 2005) und somit international interoperabel.

Die normative Spezifikation bezweckt, dass Systeme für das Handling von Informationen im CDA Header durch die Softwarehersteller unabhängig von Sender und Empfänger implementiert werden können.

Die vorliegende Spezifikation wurde in ART-DECOR modelliert und daraus können auch Schematron-Regeln generiert werden, welche eine automatisierte und harmonisierte Validierung der CDA-Dokumente erlauben.

7.2.1 Schlüsselwörter

Die normative Spezifikation verwendet folgende, jeweils in Grossbuchstaben geschriebene Schlüsselwörter zu Angabe von Verbindlichkeiten. Siehe auch [ELGA Allgemein], Kap. 4.1 resp. RFC 2119.

MUSS (engl. MUST) bedeutet eine verpflichtend einzuhaltende Vorschrift. Entspricht der Optionalität [R] und [M].

NICHT ERLAUBT (engl. NOT PERMITTED) formuliert ein verpflichtend einzuhaltendes Verbot. Entspricht der Optionalität [NP].

SOLL oder **EMPFOHLEN** (engl. SHOULD) steht für eine pragmatische Empfehlung. Es ist gewünscht und empfohlen, dass die Anforderung umgesetzt wird, es kann aber Gründe geben, warum dies unterbleibt. Entspricht der Optionalität Required [R]. Wenn kein Wert angegeben werden kann, MUSS nullFlavor angegeben werden.

KANN oder **OPTIONAL** (engl. MAY, OPTIONAL). Die Umsetzung der Anforderung ist optional, sie kann auch ohne zwingenden Grund unterbleiben. Entspricht dem Optionalität [O].

7.2.2 Optionalität

Nachfolgende Tabelle legt die Verwendung von zwingenden, empfohlenen und optionalen Elementen und den dazu gehörenden Kardinalitäten inkl. Verwendung von nullFlavor normativ fest. Die nachfolgende Definition wurde aus IHE Technical Frameworks General Introduction, Appendix E: Standards Profiling and Documentation Conventions, Revision 1.0, July 1, 2014 (http://ihe.net/uploadedFiles/Documents/Templates/IHE_TF_GenIntro_AppE_Profiling_Rev1.0_2014-07-01.pdf), "Table E.4.2.2.1-1: Data Element Optionality Constraints" übernommen und mit dem Element [NP] ergänzt.

Optionalitäten	Mögliche Kardinalitäten	Verwendung von nullFlavor	Beschreibung
[M]	1..1 1..*	NICHT ERLAUBT	Das Element MUSS mit einem korrekten "echten" Wert angegeben werden. nullFlavor oder "Dummy"-Werte sind NICHT ERLAUBT.
[NP]	0..0	NICHT ERLAUBT	Element ist NICHT ERLAUBT.
[R]	1..1 1..*	KANN verwendet werden	Das Element MUSS in der Instanz vorhanden sein. Wenn nicht bekannt, ist die Verwendung von nullFlavor vorgeschrieben, "Dummy"-Werte sind NICHT ERLAUBT.
[O]	0..1 0..*	KANN verwendet werden	Das Element ist OPTIONAL. Sender können das Element angeben. Leere optionale Elemente sind nicht zugelassen, sofern kein nullFlavor angewandt wird.
[C]	[N/A]	[N/A]	KONDITIONALES Optionalität. Die Optionalität des Elements variiert in Abhängigkeit von anderen Elementen, Situationen oder Zuständen. Die konkreten Abhängigkeiten sind jeweils angegeben.

7.2.3 nullFlavor

Wenn ein Wert nicht bekannt ist, kann dort wo es gemäss obenstehender Tabelle erlaubt ist, mit den nullFlavor-Codes in "7 HL7 NullFlavor" der Grund für die fehlende Angabe präzisiert werden. Wird ein nullFlavor eingesetzt, DÜRFEN mit Ausnahme von xsi:type KEINE weiteren Attribute angegeben werden.

7.2.4 Hierarchie der Spezifikationen

Diese Spezifikation basiert in nachstehender Rangfolge auf folgenden Grundlagen:

1. HL7 Version 3 (<http://www.hl7.org/implement/standards/v3messages.cfm>)
2. HL7 Clinical Document Architecture, Release 2.0 (<http://www.hl7.org/implement/standards/cda.cfm>)
3. eCH Standards
 1. Postadresse eCH-0010, Version 7.0 (<https://www.ech.ch/vechweb/page?p=dossier&documentNumber=eCH-0010&documentVersion=7.0>)
 2. Datenstandard Personendaten eCH-0011, Version 8.1 (<https://www.ech.ch/vechweb/page?p=dossier&documentNumber=eCH-0011&documentVersion=8.1>)
4. Gesetzgebung Elektronisches Patientendossier (EPDG) (<https://www.bag.admin.ch/bag/de/home/service/gesetzgebung/gesetzgebung-mensch-gesundheit/gesetzgebung-elektronisches-patientendossier.html>)
 1. Anhang 3 der Verordnung des EDI über das elektronische Patientendossier (Metadaten), Gültig ab 15.04.2017 (https://www.bag.admin.ch/dam/bag/de/dokumente/nat-gesundheitsstrategien/strategie-ehealth/gesetzgebung-elektronisches-patientendossier/gesetze/SR%20816.111.1_anhang%203.pdf.download.pdf/SR%20816.111.1_Anhang%203_DE.pdf)
 2. Anhang 4 der Verordnung des EDI über das elektronische Patientendossier (Austauschformate), Anhörungsversion (https://www.admin.ch/ch/d/gg/pc/documents/2891/Elektronisches-Patientendossier-Formate_Anhang-4_de.pdf)

7.2.5 Akteure und Transaktionen

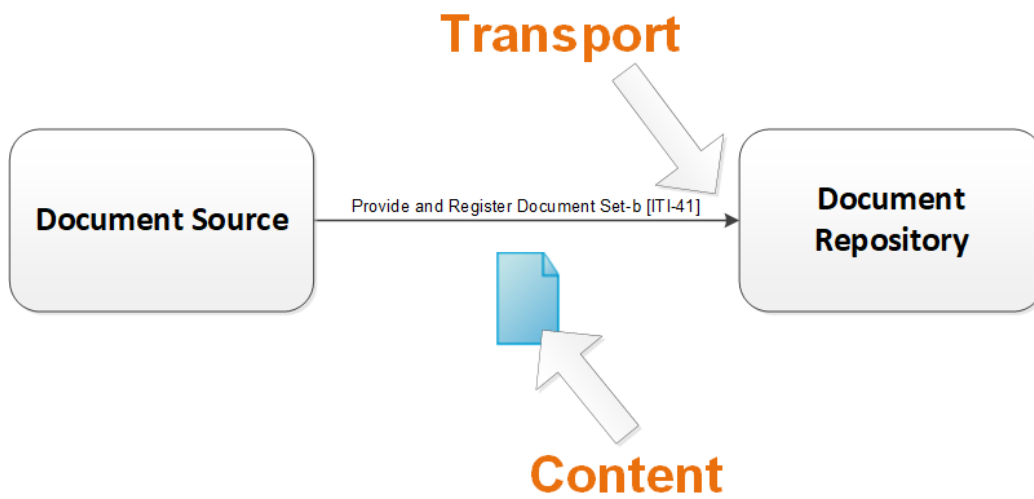
Nachfolgende Grafik zeigt die mit der vorliegenden Spezifikation kombinierbaren IHE Akteure und Transaktionen. Die Grafik zeigt auf, dass die involvierten Akteure ein Dokument auf Basis von CDA-CH erstellen, austauschen und verarbeiten.



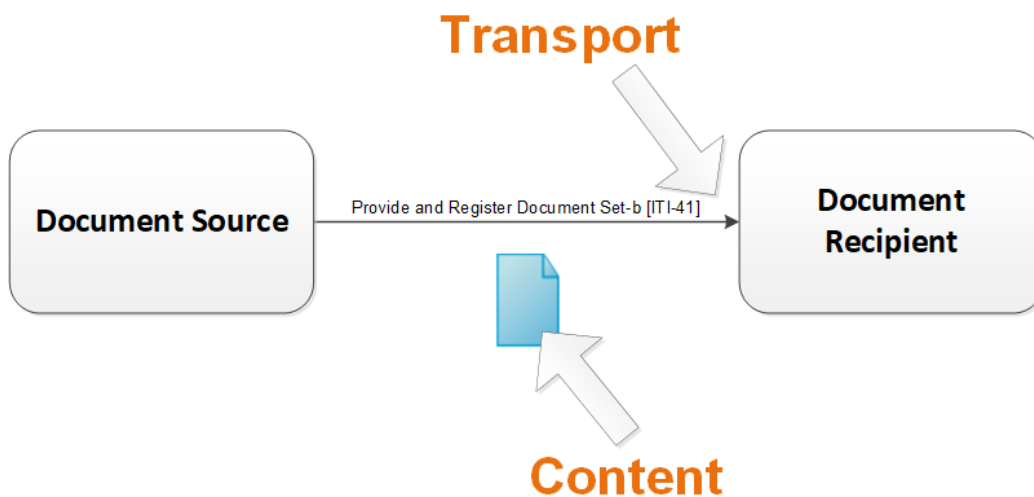
[Abbildung 8] „Share content“ Akteure gemäss IHE

IHE nennt in verschiedenen Inhaltsprofilen die Umsetzung mit den IHE Integrationsprofilen XDS.b, XDR, XDM.

Die IHE Integrationsprofile XDS und XDR realisieren die Interaktion „Share content“ mit der IHE Transaktion „Provide and Register Document Set-b [ITI-41]“, nennen aber die Akteure unterschiedlich:

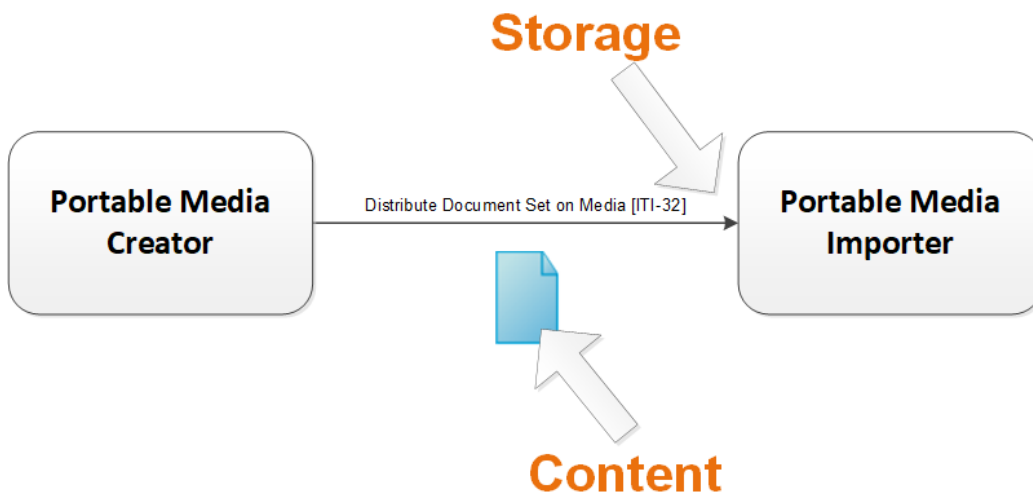


[Abbildung 9] „Share content“ Akteure und Transaktionen (konkret für XDS)



[Abbildung 10] „Share content“ Akteure und Transaktionen (konkret für XDR)

Das IHE Integrationsprofil XDM realisiert die Interaktion „Share content“ mit der IHE Transaktion „Distribute Document Set on Media [ITI-32]“:



[Abbildung 11] „Share content“ Akteure und Transaktionen (konkret für XDM)

Bei allen oben genannten Transaktionen für XDS, XDR und XDM ist der Inhalt des übertragenen Dokuments (Content) identisch und gemäss Kapitel "7 Spezifikation (normativ)" aufgebaut. Für eine genaue Beschreibung der Akteure, Transaktionen und Inhalte verweisen wir auf die IHE Dokumentation [IHE ITI TF-2b] ^[1], Kapitel „3.32 Distribute Document Set on Media“ resp. „3.41 Provide and Register Document Set-b“, da die eigentliche Übermittlung / Speicherung (Share Content) nicht Bestandteil der vorliegenden Spezifikation ist.

7.3 CDA Struktur

7.3.1 CDA Document Level Templates




7.3.1.1 CDA-CH v2.0 - structuredBody

Id	2.16.756.5.30.1.1.10.1.9	Effective Date	2018-04-18
Status	 Active	Version Label	2017
Name	CDA-CHv2.0-structuredBody	Display Name	CDA-CH v2.0 - structuredBody

Description

This document template is used as the primary base for CDA-CH exchange formats. All CDA-CH V2 derivatives, i.e. Swiss exchange formats SHALL use this template by specialisation.

It only specifies the usage of CDA header templates. It requires a structured CDA body, but does not define any CDA body rules. For CDA body rules, see the derived exchange formats.

Context	Pathname //			
Classification	CDA Document Level Template			
Open/Closed	Open (other than defined elements are allowed)			
Used by / Uses	Used by 0 transactions and 0 templates, Uses 3 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
2.16.756.5.30.1.1.10.9.36	Include 	CDA-CH v2.0 Header Template Compilation (2017)	DYNAMIC	
Relationship	Specialization: template 2.16.840.1.113883.10.12.2 (2005-09-07)			

Example

Example

```

<!-- The following line is required in a CDA-CH document. It is commented here due to ART-DECOR validation
issues, only -->
<!-- <?xml version="1.0" encoding="UTF-8"?> -->
<ClinicalDocument>
  <!-- include template cdach_header_DocumentRealm[2.16.756.5.30.1.1.10.2.25] '?' (dynamic) 1..1 M -->
  <typeId extension="POCD_HD000040" root="2.16.840.1.113883.1.3"/>
  <!-- CDA-CH v2.0 ART-DECOR model - structuredBody. -->
  <templateId root="2.16.756.5.30.1.1.10.1.9"/>
  <!-- include template cdach_header_DocumentTemplateIdsCdaChV2StructuredBody[2.16.756.5.30.1.1.10.2.18] '?' (dynamic) -->
  <!-- include template cdach_other_HeaderTemplates[2.16.756.5.30.1.1.10.9.36] '?' (dynamic) -->
  <component>
    <structuredBody>
      <component/>
    </structuredBody>
  </component>
</ClinicalDocument>

```

Item	DT	Card	Conf	Description	Label
h17:ClinicalDocument		1 ... 1	M	<p>This document template is used as the primary base for CDA-CH exchange formats. It only specifies the usage of CDA header templates. It requires a structured CDA body, but does not define any CDA body rules. For CDA body rules, see the derived exchange formats.</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: <?xml version="1.0" encoding="UTF-8"?> Phone numbers Phone numbers MUST be declared in the international format. Dots (.) MUST be used as separators for grouping of number blocks. 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 telepho- 	(CDA...ody)

				ne number after the actual connection has been established over the public telephone network. Examples: <telecom value="tel:+41.33.123.45.67"/> <telecom value="tel:+1.987.654.3210-999"/>		
<i>Included</i>			1 ... 1	M	from 2.16.756.5.30.1.1.10.2.25 <i>Document Realm</i> (DYNAMIC)	
└ h17:realmCode	CS		1 ... 1	M	Swiss Realm (CHE) of HL7 CDA.	CDA-CH V2
└ @code	CONF		1 ... 1	F	CHE	
└ h17:typeId	II		1 ... 1	M	HL7 CDA R2, 2005	(CDA...ody)
└ @root	uid		1 ... 1	F	2.16.840.1.113883.1.3	
└ @extension	st		1 ... 1	F	POCD_HD000040	
└ h17:templateId	II		1 ... 1	M	CDA-CH v2.0 ART-DECOR model - structuredBody.	(CDA...ody)
└ @root	uid		1 ... 1	F	2.16.756.5.30.1.1.10.1.9	
<i>Included</i>					from 2.16.756.5.30.1.1.10.2.18 <i>Document Template Ids CDA-CH v2.0 - structuredBody</i> (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 structured-Body.	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	
Included				from 2.16.756.5.30.1.1.10.9.36 <i>CDA-CH v2.0 Header Template Compilation</i> (DYNAMIC)	
Included		1 ... 1	M	from 2.16.756.5.30.1.1.10.2.23 <i>Document Id</i> (DYNAMIC)	
└ h17:id	II	1 ... 1	M	A unique identifier for each CDA document instance.	CDA-CH V2
└ @root	uid	1 ... 1	R	The document's id as Globally Unique Identifier (GUID).	
└ @extension	st	0	NP	NP/not present	
Included		1 ... 1	M	from 2.16.756.5.30.1.1.10.2.44 <i>Document Code</i> (DYNAMIC)	
└ 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.	CDA-CH V2
└ @code	cs	1 ... 1	R	The exact value of @code MUST be specified by the CDA-CH V2 derivative.	
└ @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 be specified by the CDA-CH V2 derivative.	
└ h17:translation	CD	1 ... 1	R	A translation to the Swiss EPR XDS.b metadata. The exact value of @code and @displayName MUST be specified by the CDA-CH V2 derivative.	CDA-CH V2
└ @code	cs	1 ... 1	R	The exact value of @code MUST be specified by the CDA-CH V2 derivative.	
└ @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 exact value of @displayName MUST be specified by the CDA-CH V2 derivative.	
	CONF			The value of @code shall be drawn from value set 2.16.756.5.30.1.127.3.10.1.27 <i>EprDocumentType-Code</i> (DYNAMIC)	

└ h17:title	ST	1 ... 1	M	The expected titles (at least in English, German, French and Italian) MUST be specified by the CDA-CH V2 derivative.	CDA-CH V2
└ h17:effectiveTime	TS.CH.TZ	1 ... 1	M	The document's creation date and time. If this document replaces a previous version (linked via parentDocument), this is the date and time of the new version.	CDA-CH V2
Included		1 ... 1	M	from 2.16.756.5.30.1.1.10.2.19 <i>Document Confidentiality Code</i> (DYNAMIC)	
└ h17:confidentialityCode	CE (required)	1 ... 1	M	Swiss Realm of Confidentiality Code according to the Swiss EPR regulation.	CDA-CH V2
└ @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)	
Included		1 ... 1	M	from 2.16.756.5.30.1.1.10.2.22 <i>Document Language</i> (DYNAMIC)	
└ 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
	CONF			The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.11526 <i>HumanLanguage</i> (DYNAMIC)	
Included				from 2.16.756.5.30.1.1.10.2.20 <i>Document Set Id and Version Number</i> (DYNAMIC)	
└ 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	

				<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>	
			test		
			Message	The setId MUST be equal with the document id for version 1 and it MUST differ for all other versions.	
└ hl7: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
Included		1 ... 1	R	from 2.16.756.5.30.1.1.10.2.1 Patient - recordTarget (DYNAMIC)	
└ hl7:recordTarget		1 ... 1	R	<p>A human patient for whom this CDA document instance was created.</p> <ul style="list-style-type: none"> ▪ Target patient The HL7 CDA R2 (2005) standard allows multiple patients. In order to ensure that the information in a CDA document is unambiguously assigned to one and only patient, a CDA-CH V2 based document MUST contain exactly one patient. Special cases: In exceptional cases (e.g., new-born twins, both having jaundice), multiple documents MUST be created (all of the same content, but each with a unique patient). ▪ Patient identifiers Multiple ids (patient identification number) MAY be declared. If multiple ids are known, it is highly recommended to declare all known ids. Especially in cases where the CDA document instance is kind of an answer to a preceding order (independent of its data format), all ids specified by the ordering system SHALL be declared in the CDA document instance. This allows the receiver to assign its internal patient identification. The patient identification number MUST be grouped with the OID of its assigning system. The patient identification number MUST be unique within the system identified by the OID. The declared OID MUST be found in one of the public OID registries, such as oid.refdata.ch (preferred), oid-info.com, hl7.org/oid, www.dimdi.de/static/de/klassi/oid/, gesundheit.gv.at/OID_Frontend/ etc. 	CDA-CH V2

				<p>OIDs that can't be found in a public OID registry are NOT ALLOWED.</p> <ul style="list-style-type: none"> ▪ Pseudonymizing In special cases, the demographic data of the patient are not allowed to be transmitted or they have to be pseudonymized. While HL7 CDA or its derivatives like CDA-CH or Swiss exchange formats nevertheless require these elements in the XML structure, the affected values MUST be replaced by a nullFlavor of type "MSK" (masked), in order to support the required data format structure and simultaneously to shield the real data. 	
└ h17:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.1	
└ h17:patientRole		1 ... 1	R		CDA-CH V2
└ h17:id	II	1 ... *	R	The patient'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		The id itself. It MUST be unique within the issuing system.	
└ h17:addr	AD	0 ... *		The patient's address. Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA-CH V2
└ h17:telecom	TEL	0 ... *		The patient's means of communication (phone, eMail, ...).	CDA-CH V2
└ h17:patient		1 ... 1	R	Contains 2.16.756.5.30.1.1.10.9.34 <i>Person Name Information Compilation - eCH-0011</i> (DYNAMIC)	CDA-CH V2
<p>where [h17:administrativeGenderCode [concat(@code,@codeSystem)=doc('include/voc-2.16.756.5.30.1.127.3.10.1.25-DYNAMIC.xml')//valueSet [1]/conceptList/concept/concat(@code,@codeSystem) or @nullFlavor]]</p>					

└─ h17:administrativeGenderCode	CE	1 ... 1	R	The patient's gender according to the Swiss EPR XDS.b metadata.	CDA-CH V2
└─ @code	cs	1 ... 1	R		
└─ @codeSystem	oid	1 ... 1	F	2.16.840.1.113883.5.1	
└─ @codeSystemName	st	1 ... 1	F	HL7 AdministrativeGender	
└─ @displayName	st	1 ... 1	R		
	CONF	The value of @code shall be drawn from value set 2.16.756.5.30.1.127.3.10.1.25 <i>EprGender</i> (DYNAMIC)			
└─ h17:birthTime	TS.CH.TZ	1 ... 1	R	The patient's birthdate.	CDA-CH V2
└─ h17:maritalStatusCode	CE	0 ... 1		The patient's marital status.	CDA-CH V2
└─ @code	cs	1 ... 1	R		
└─ @codeSystem	oid	1 ... 1	F	2.16.840.1.113883.1.11.12212	
└─ @codeSystemName	st	1 ... 1	F	HL7 MaritalStatus	
└─ @displayName	st	1 ... 1	R		
	CONF	The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.12212 <i>MaritalStatus</i> (DYNAMIC)			
└─ h17:translation		0 ... *		A translation of the code to another coding system	CDA-CH V2
└─ @code	cs	1 ... 1	R		
└─ @codeSystem	oid	1 ... 1	R		
└─ @codeSystemName	st	1 ... 1	R		

	└ @displayName	st	1 ... 1	R		
	└ h17:religiousAffiliationCode	CE	0 ... 1		The patient's religion.	CDA-CH V2
	└ @nullFlavor	CS	0 ... 1	F	NAV	
	└ @code	CS	0 ... 1			
	└ @codeSystem	oid	0 ... 1			
	└ @codeSystemName	st	0 ... 1			
	└ @displayName	st	0 ... 1			
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		
	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]		

	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	(@nullFlavor='NAV' and originalText and not(@codeSystem or @codeSystemName or @code or @displayName)) or (@codeSystem and @codeSystemName and @code and @displayName)
	Message	Either a code described by code, codeSystem, codeSystemName and displayName or originalText and nullFlavor="NAV" is REQUIRED.

└─ hl7:guardian		0 ... *		The patient's guardian.	CDA-CH V2
└─ hl7:id	II	0 ... *		The guardian'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		The id itself. It MUST be unique within the issuing system.	
└─ hl7:code	CE	0 ... 1		The guardian's role.	CDA-CH V2
└─ @nullFlavor	cs	0 ... 1			
└─ @code	cs	0 ... 1			
└─ @codeSystem	oid	0 ... 1	F	2.16.840.1.113883.5.111	
└─ @codeSystemName	st	0 ... 1	F	HL7RoleCode	
└─ @displayName	st	0 ... 1			
	Schematron assert	role		error	

			test	(not(@nullFlavor) and @displayName and @code and @codeSystem and @codeSystemName) or (@nullFlavor and not(@displayName or @code or @codeSystem or @codeSystemName))	
			Message	Either nullFlavor or a valid code is required.	
└ h17:addr	AD	0 ... *		The guardian's address. Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA-CH V2
└ h17:telecom	TEL	0 ... *		The guardian's means of communication (phone, eMail, ...).	CDA-CH V2
Choice		1 ... 1		Elements to choose from: <ul style="list-style-type: none"> h17:guardianPerson containing template 2.16.756.5.30.1.1.10.9.34 <i>Person Name Information Compilation - eCH-0011</i> (DYNAMIC) h17:guardianOrganization containing template 2.16.756.5.30.1.1.10.9.24 <i>Organization Compilation with name</i> (DYNAMIC) 	
└ h17:guardianPerson				The guardian's 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
└ h17:guardianOrganization				The guardian's as an organization. Contains 2.16.756.5.30.1.1.10.9.24 <i>Organization Compilation with name</i> (DYNAMIC)	CDA-CH V2
└ h17:birthplace		0 ... 1		The patient's birthplace.	CDA-CH V2
└ h17:place		1 ... 1			CDA-CH V2
└ h17:name	EN	0 ... 1		The patient's birthplace name.	CDA-CH V2
└ h17:addr	AD	1 ... 1	R	The patient's birthplace address. Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA-CH V2
└ h17:languageCommunication		0 ... *		The patient's language skills.	CDA-CH V2
└ h17:languageCode	CS	1 ... 1			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:modeCode	CE	0 ... 1			CDA-CH V2
		CONF		The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.12249 <i>LanguageAbilityMode</i> (DYNAMIC)	
└ h17:proficiencyLevelCode	CE	0 ... 1			CDA-CH V2
		CONF		The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.12199 <i>LanguageAbilityProficiency</i> (DYNAMIC)	
└ h17:preferenceInd	BL	0 ... 1		In case of @value=true it is the patient's correspondence language.	CDA-CH V2
└ h17:providerOrganization		0 ... 1		The organization who took care of the patient in the same context with the current CDA document. E.g. entry of the Medreg, FMH Index or the Health Organisation Index (HOI) of the Swiss EPR. Contains 2.16.756.5.30.1.1.10.9.30 <i>Organization Compilation with GLN and name</i> (DYNAMIC)	CDA-CH V2
Included		1 ... *	M	from 2.16.756.5.30.1.1.10.9.23 <i>Author</i> (DYNAMIC)	
└ h17:author		1 ... *	M	Information about the author of a CDA document, section or entry. An author MAY be a person or a device.	CDA-CH V2
└ h17:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.9.23	
└ 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.	CDA-CH V2

Translations to other vocabularies are allowed.

@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)
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Example	Patient <pre><functionCode code="116154003" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Patient"/></pre>
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Example	Nurse <pre><functionCode code="106292003" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Professional nurse"/></pre>
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Example	Home helper <pre><functionCode nullFlavor="NAV"> <originalText>Home helper</originalText> </functionCode></pre>
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Example	Laboratory technician <pre><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></pre>
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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
			role	● error	
	Schematron assert		test	not(assignedAuthoringDevice/softwareName) or (representedOrganization)	
			Message	For device authors the element representedOrganization is REQUIRED.	
└ h17:id	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. CDA-CH V2
└ @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.
	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:id	II		0 ... *		Other ids are allowed.	CDA-CH V2
└ @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		0 ... *		The author's address. Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA-CH V2
└ h17:telecom	TEL		0 ... *		The author's means of communication (phone, eMail, ...).	CDA-CH V2
Choice			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-CH V2
└ 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-CH V2
└ 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)	CDA-CH V2
Included			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		0 ... *		from 2.16.840.1.113883.10.12.154 <i>CDA Informant</i> (DYNAMIC)	
└ h17:informant		0 ... *			CDA-CH V2
└ @typeCode		0 ... 1	F	INF	
└ @contextControlCode		0 ... 1	F	OP	
Choice		1 ... 1		Elements to choose from: <ul style="list-style-type: none"> h17:assignedEntity containing template 2.16.840.1.113883.10.12.153 <i>CDA AssignedEntity</i> (DYNAMIC) h17:relatedEntity containing template 2.16.840.1.113883.10.12.316 <i>CDA RelatedEntity</i> (DYNAMIC) 	
└ h17:assignedEntity				Contains 2.16.840.1.113883.10.12.153 <i>CDA AssignedEntity</i> (DYNAMIC)	CDA-CH V2
└ h17:relatedEntity				Contains 2.16.840.1.113883.10.12.316 <i>CDA RelatedEntity</i> (DYNAMIC)	CDA-CH V2
Included		1 ... 1	R	from 2.16.756.5.30.1.1.10.2.3 <i>Custodian</i> (DYNAMIC)	
└ h17:custodian		1 ... 1	R	The organization in whose name this CDA document has been created (corresponds to the sender of a letter).	CDA-CH V2
└ h17:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.3	
└ h17:assignedCustodian		1 ... 1	R		CDA-CH V2


└ h17:representedCustodianOrganization		1 ... 1	R		CDA-CH V2
└ h17:id	II	1 ... *	M	The custodian'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 ... 1	R	The custodian's name.	CDA-CH V2
└ h17:telecom	TEL	0 ... *		The custodian's means of communication (phone, eMail, ...).	CDA-CH V2
└ h17:addr	AD	0 ... *		The custodian's address(es). Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA-CH V2
Included		1 ... *	M	from 2.16.756.5.30.1.1.10.2.4 <i>Recipient - informationRecipient</i> (DYNAMIC)	
└ h17:informationRecipient		1 ... *	M	A recipient of this CDA document (corresponds to the addressee of a letter - person or organization). Recipient types: <ul style="list-style-type: none"> The main recipient of the document is indicated by typeCode 'PRCP' (primary recipient). Note: Since it makes no sense to create a CDA document without doing it for someone, in Switzerland at least one recipient MUST be declared. If the document is created for the user's own needs, the user itself or its organization will be the primary recipient. Other recipients (copy to; Cc) are indicated with typeCode, TRC '(secondary recipient). 	CDA-CH V2
└ @typeCode	cs	0 ... 1		The main recipient of the document is indicated by typeCode 'PRCP' (primary recipient). This is the default value used when the attribute is not present. Other recipients (copy to; Cc) are indicated with typeCode, TRC '(secondary recipient). Note: Since it makes no sense to create a CDA document without doing it for someone, in Switzerland at least one recipient MUST be declared. If the document is created for the user's own needs, the user itself or its organization will be the primary recipient.	

	CONF	The value of @typeCode shall be drawn from value set 2.16.840.1.113883.1.11.19366 <i>x_InformationRecipient</i> (DYNAMIC)			
└ h17:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.4	
└ h17:intendedRecipient		1 ... 1	R		CDA-CH V2
└ h17:id	II	0 ... *	R	The recipient's identification(s).	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:addr	AD	0 ... *		The recipient's address(es). Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA-CH V2
└ h17:telecom	TEL	0 ... *		The recipient's means of communication (phone, eMail, ...).	CDA-CH V2
└ h17:informationRecipient		0 ... 1		The addressee 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:receivedOrganization		0 ... 1		The addressee organization. Contains 2.16.756.5.30.1.1.10.9.24 <i>Organization Compilation with name</i> (DYNAMIC)	CDA-CH V2
Included		0 ... 1		from 2.16.756.5.30.1.1.10.2.5 <i>Legal Authenticator</i> (DYNAMIC)	
└ h17:legalAuthenticator		0 ... 1		Information about the legal authenticator of a CDA document. A legal authenticator MUST be a person.	CDA-CH V2
└ h17:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.5	

└ h17:time	TS.CH.TZ	1 ... 1	R	Timestamp of the signature.	CDA-CH V2
└ h17:signatureCode	CS	1 ... 1	R		CDA-CH V2
└ @code	cs	1 ... 1	F	S	
└ @codeSystem	oid	0	NP	NP/not present	
└ @codeSystemName	st	0	NP	NP/not present	
└ @displayName	st	0	NP	NP/not present	
	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	Contains 2.16.756.5.30.1.1.10.9.12 <i>Assigned Entity Compilation with id</i> (DYNAMIC)	CDA-CH V2
Included		0 ... *		from 2.16.756.5.30.1.1.10.2.6 <i>Authenticator</i> (DYNAMIC)	
└ h17:authenticator		0 ... *		Information about an authenticator of a CDA document. An authenticator MUST be a person.	CDA-CH V2
└ h17:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.6	
└ h17:time	TS.CH.TZ	1 ... 1	R	Timestamp of the signature.	CDA-CH V2
└ h17:signatureCode	CS	1 ... 1	R		CDA-CH V2
└ @code	cs	1 ... 1	F	S	
└ @codeSystem	oid	0	NP	NP/not present	
└ @codeSystemName	st	0	NP	NP/not present	

└ @displayName	st	0	NP	NP/not present	
	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	Contains 2.16.756.5.30.1.1.10.9.12 <i>Assigned Entity Compilation with id</i> (DYNAMIC)	CDA-CH V2
Included		0 ... *		from 2.16.756.5.30.1.1.10.2.40 <i>Employer - participant</i> (DYNAMIC)	
└ h17:participant		0 ... *		Information on the patient's employer, school or other affiliated (e.g., volunteer) organization.	CDA-CH V2
└ @typeCode	cs	1 ... 1	F	IND	
└ h17:templateId	II	1 ... 1	M	CDA-CH v2.0 ART-DECOR model of Employer.	CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.40	
└ h17:templateId		1 ... *	M	CH-PCC ART-DECOR model of IHE PCC Employer and School Contacts.	CDA-CH V2
└ @root	cs	1 ... 1	F	2.16.756.5.30.1.1.10.2.41	
└ h17:templateId	II	1 ... 1	M	IHE PCC Employer and School Contacts.	CDA-CH V2
└ @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.5.3.1.2.2	
└ h17:time	IVL_TS.CH.TZ	0 ... 1		Validity period of contract.	CDA-CH V2
└ h17:low	TS.CH.TZ	1 ... 1	R	Start of the contract.	CDA-CH V2
└ h17:high	TS.CH.TZ	1 ... 1	R	End of the contract.	CDA-CH V2
└ h17:associatedEntity		1 ... 1	R		CDA-CH V2
└ @classCode	cs	1 ... 1	F	CON	

└ h17:id	II	0 ... 1	R	The id of the contract ([ge]: Mitarbeiternummer; [fr]: Numéro d'employé).	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		The id itself. It MUST be unique within the issuing system.	
└ h17:code	CE	1 ... 1	R		CDA-CH V2
└ @code	cs	1 ... 1	R		
└ @codeSystem	oid	1 ... 1	F	1.3.6.1.4.1.19376.1.5.3.3	
└ @codeSystemName	st	1 ... 1	F	IHERoleCode	
└ @displayName	st	0	NP	NP/not present	
	CONF			The value of @code shall be drawn from value set 2.16.756.5.30.1.1.11.77 <i>IHERoleCode Employer and School Contacts</i> (DYNAMIC)	
└ h17:associatedPerson		0 ... 1		Contact person at the employer, school or other affiliated (e.g., volunteer) organization. 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 employer, school or other affiliated (e.g., volunteer) organization. Contains 2.16.756.5.30.1.1.10.9.27 <i>Organization Compilation with name, addr, telecom</i> (DYNAMIC)	CDA-CH V2
Included		0 ... *		from 2.16.756.5.30.1.1.10.2.15 <i>Insurance - participant</i> (DYNAMIC)	
└ 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	

└ h17:time	IVL_TS.CH.TZ	0 ... 1		Validity period of the contract.	CDA-CH V2
└ h17:low	TS.CH.TZ	1 ... 1	R	Start of the contract.	CDA-CH V2
└ h17:high	TS.CH.TZ	1 ... 1	R	End of the contract.	CDA-CH V2
└ h17:associatedEntity		1 ... 1	R		CDA-CH V2
└ @classCode	cs	1 ... 1	F	PAYOR	
└ h17:id	II	1 ... 1	R	The id of the contract ([ge]: Versichertennummer; [fr]: Numéro d'assuré).	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		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 (MilIA), 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
Included		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	
└ 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.	
└ h17: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
└ h17: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
Included		0 ... *		from 2.16.756.5.30.1.1.10.2.43 <i>Patient Contact - participant</i> (DYNAMIC)	
└ h17:participant		0 ... *		Information on a patient contact.	CDA-CH V2
└ @typeCode	cs	1 ... 1	F	IND	
└ h17:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.43	
└ h17:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.5.3.1.2.4	
└ h17:time	IVL_TS.CH.TZ	0 ... 1		Validity period of the participation.	CDA-CH V2
└ h17:low	TS.CH.TZ	1 ... 1	R	Start of participation.	CDA-CH V2
└ h17:high	TS.CH.TZ	1 ... 1	R	End of participation.	CDA-CH V2
└ h17:associatedEntity		1 ... 1	R	Either the contact person or the contact's organization SHALL be present.	CDA-CH V2
└ @classCode	cs	1 ... 1	R	The classCode attribute SHALL be present, and contains a value from the following set: AGNT: agents of the patient CAREGIVER: care givers ECON: emergency contacts	

NOK: next of kin
 PRS: other relations


└ h17:code	CE	1 ... 1	R	The contact's role.	CDA-CH V2
└ @nullFlavor	cs	0 ... 1			
└ @code	cs	0 ... 1			
└ @codeSystem	oid	0 ... 1	F	2.16.840.1.113883.5.111	
└ @codeSystemName	st	0 ... 1	F	HL7RoleCode	
└ @displayName	st	0 ... 1			
	Schematron assert	role	● error	(not(@nullFlavor) and @displayName and @code and @codeSystem and @codeSystemName) or (@nullFlavor and not(@displayName or @code or @codeSystem or @codeSystemName))	
		test		Message Either nullFlavor or a valid code is required.	
└ h17:addr	AD	0 ... *		The contact's address. Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA-CH V2
└ h17:telecom	TEL	0 ... *		The contact's means of communication (phone, eMail, ...).	CDA-CH V2
└ h17:associatedPerson		0 ... 1	C	The contact 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:scopingOrganization		0 ... 1	C	The contact's organization. Contains 2.16.756.5.30.1.1.10.9.24 <i>Organization Compilation with name</i> (DYNAMIC)	CDA-CH V2
	Schematron assert	role	● error	@classCode=('AGNT','CAREGIVER','ECON','NOK','PRS')	
		test			

				Message	The classCode attribute shall be present, and contains a value from the set AGNT, CAREGIVER, ECON, NOK, or PRS to identify contacts that are agents of the patient, care givers, emergency contacts, next of kin, or other relations respectively.	
Included			0 ... *		from 2.16.756.5.30.1.1.10.2.16 <i>Order Reference - inFulfillmentOf</i> (DYNAMIC)	
└ 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.	
└ @extension	st		0 ... 1		Contains the order ID itself. The ID MUST be unique within the system that issued the ID.	
Included			0 ... *		from 2.16.756.5.30.1.1.10.2.46 <i>Health Service - documentationOf</i> (DYNAMIC)	
└ 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	
└ h17:serviceEvent			1 ... 1	R		CDA-CH V2
└ @classCode	cs		1 ... 1	F	ACT	

└ @moodCode	cs	1 ... 1	F	EVN	
└ h17:id	II	0 ... *			Health service identifiers such as case number ([ge]: Fallnummer; [fr]: Numéro de cas), consultation id, episode id, etc. 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			The id itself. It MUST be unique within the issuing system.
└ h17: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
└ @nullFlavor	st	1 ... 1	F	NAV	
└ @code	cs	0	NP	NP/not present	
└ @codeSystem	oid	0	NP	NP/not present	
└ @codeSystemName	st	0	NP	NP/not present	
└ @displayName	st	0	NP	NP/not present	
└ h17:translation		0 ... *			A translation of the code to another coding system. CDA-CH V2
└ @code	cs	1 ... 1	R		
└ @codeSystem	oid	1 ... 1	R		
└ @codeSystemName	st	1 ... 1	R		
└ @displayName	st	1 ... 1	R		
└ h17:effectiveTime	IVL_TS.CH.TZ	1 ... 1	R		Duration of the health service. CDA-CH V2

└ h17:low	TS.CH.TZ	1 ... 1	R	Start of the health service.	CDA-CH V2
└ h17:high	TS.CH.TZ	1 ... 1	R	End of the health service.	CDA-CH V2
Included		0 ... *		from 2.16.756.5.30.1.1.10.9.31 <i>Performer</i> (DYNAMIC)	
└ h17:performer		0 ... *		Information about a healthcare provider who was the primary performer of the act.	CDA-CH V2
└ @typeCode	CS	1 ... 1	F	PRF	
└ h17:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.9.31	
└ h17:templateId		1 ... 1	R		CDA-CH V2
└ @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-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	
└ @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.

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.


<code>└ hl7:originalText</code>	ED	0 ... 1	C		CDA-CH V2
<code>└ hl7: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


`└ @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"/>').		
				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.		
	└─ 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-CH V2
	└─ @code	CS		1 ... 1	R		
	└─ @codeSystem	oid		1 ... 1	R		
	└─ @codeSystemName	st		1 ... 1	R		
	└─ @displayName	st		1 ... 1	R		
	└─ hl7:time	IVL_TS.CH.TZ		0 ... 1		Duration of the performance.	CDA-CH V2
	└─ hl7:low	TS.CH.TZ		1 ... 1	R	Start of the performance.	CDA-CH V2
	└─ hl7:high	TS.CH.TZ		1 ... 1	R	End of the performance.	CDA-CH V2
	└─ hl7: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 2.16.756.5.30.1.1.10.2.13 <i>Document Replacement - relatedDocument</i> (DYNAMIC)	
	└─ hl7:relatedDocument			0 ... *		Relationship to another CDA-CH V2 based document that is replaced by the current one. 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	CDA-CH V2

				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:	
				<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. 	
└ @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	
└ h17:setId	II	1 ... 1	M	The setId of the document to be replaced MUST be declared.	CDA-CH V2
└ @extension	st	0	NP	NP/not present	
└ @root	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	


			test	(@root=/hl7:ClinicalDocument/hl7:id/@root) and not(@extension) and not(/hl7:ClinicalDocument/hl7:id/@extension)	
			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
			role	● error	
	Schematron assert		test	@value > /hl7:ClinicalDocument/hl7:versionNumber/@value	
			Message	ClinicalDocument/versionNumber: MUST be higher than the one of the replaced document	
Included		0 ... *		from 2.16.840.1.113883.10.12.114 CDA Authorization (DYNAMIC)	
└─ hl7:authorization		0 ... *			CDA-CH V2
└─ @typeCode		0 ... 1	F	AUTH	
└─ hl7:consent		1 ... 1			CDA-CH V2
└─ @classCode		0 ... 1	F	CONS	
└─ @moodCode		0 ... 1	F	EVN	
└─ hl7:id	II	0 ... *			CDA-CH V2
└─ hl7:code	CE	0 ... 1			CDA-CH V2
└─ @codeSystem	CONF	0 ... 1	F	2.16.840.1.113883.5.4 (Act Code)	
└─ hl7:statusCode	CS	1 ... 1	R		CDA-CH V2
└─ @code	CONF	0 ... 1	F	completed	
Included		0 ... 1		from 2.16.840.1.113883.10.12.113 CDA componentOf (DYNAMIC)	

└ h17:componentOf		0 ... 1			CDA-CH V2
└ @typeCode		0 ... 1	F	COMP	
└ h17:encompassingEncounter		1 ... 1			CDA-CH V2
└ @classCode		0 ... 1	F	ENC	
└ @moodCode		0 ... 1	F	EVN	
└ h17:id	II	0 ... *			CDA-CH V2
└ h17:code	CE	0 ... 1			CDA-CH V2
	CONF	The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.13955 <i>ActEncounterCode</i> (DYNAMIC)			
└ h17:effectiveTime	IVL_TS	1 ... 1	R		CDA-CH V2
└ h17:dischargeDispositionCode	CE	0 ... 1			CDA-CH V2
	CONF	shall be drawn from concept domain "EncounterDischargeDisposition"			
└ h17:responsibleParty		0 ... 1		Contains 2.16.840.1.113883.10.12.153 <i>CDA AssignedEntity</i> (DYNAMIC)	CDA-CH V2
└ @typeCode		0 ... 1	F	RESP	
└ h17:encounterParticipant		0 ... *			CDA-CH V2
└ @typeCode	CS	1 ... 1	R		
	CONF	The value of @typeCode shall be drawn from value set 2.16.840.1.113883.1.11.19600 <i>x_EncounterParticipant</i> (DYNAMIC)			

└ h17:time	IVL_TS	0 ... 1			CDA-CH V2	
└ h17:assignedEntity		1 ... 1		Contains 2.16.840.1.113883.10.12.153 CDA AssignedEntity (DYNAMIC)	CDA-CH V2	
└ h17:location		0 ... 1			CDA-CH V2	
└ @typeCode		0 ... 1	F	LOC		
└ h17:healthCareFacility		1 ... 1			CDA-CH V2	
└ @classCode		0 ... 1	F	SDLOC		
└ h17:id	II	0 ... *			CDA-CH V2	
└ h17:code	CE	0 ... 1			CDA-CH V2	
	CONF	The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.17660 ServiceDeliveryLocationRoleType (DYNAMIC)				
└ h17:location		0 ... 1		Contains 2.16.840.1.113883.10.12.317 CDA Place (DYNAMIC)	CDA-CH V2	
└ h17:serviceProvider Organization		0 ... 1		Contains 2.16.840.1.113883.10.12.151 CDA Organization (DYNAMIC)	CDA-CH V2	
└ h17:component		1 ... 1	R		(CDA...ody)	
└ h17:structuredBody		1 ... 1	R		(CDA...ody)	
└ h17:component		1 ... *	R		(CDA...ody)	
	Schematron assert	role	warning			
		test	not(//h17:id[@root='2.16.756.5.30.1.127.3.10.3'])			
		Message	This CDA-CH V2 document contains a Swiss EPR-SPID. Please make sure, that this fits the legal base.			

Schematron report	role	 warning
	test	//hl7:id[@root=('2.16.756.5.31', '2.16.756.5.32')]/parent::hl7:patientRole
	Message	This CDA-CH V2 document contains a Swiss Social Security number as patient identifier. Please make sure, that this fits the legal base.
Schematron assert	role	 error
	test	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)])
	Message	Swiss EPR-SPID and Social Security numbers are not allowed in CDA-CH V2 documents for other objects than the patient.

7.3.1.2 CDA-CH v2.0 - nonXMLBody

Id	2.16.756.5.30.1.1.10.1.12	Effective Date	2018-04-18
Status	 Active	Version Label	2017
Name	CDA-CHv2.0-nonXMLBody	Display Name	CDA-CH v2.0 - nonXMLBody

Description

This document template MAY be referenced or specialized for specific, not further described use cases. CDA-CH V2 derivatives, i.e. Swiss exchange formats SHOULDNT use this template, as they better refer to the document level template requiring a structured body. It only specifies the usage of CDA header templates. It requires a non XML CDA body, but does not define any CDA body rules. For CDA body rules, see the derived exchange formats.

Context	Pathname //
Classification	CDA Document Level Template
Open/Closed	Open (other than defined elements are allowed)
Used by / Uses	Used by 0 transactions and 0 templates, Uses 3 templates

Uses	as	Name	Version
2.16.756.5.30.1.1.10.2.25	Include	Document Realm (2017)	DYNAMIC
2.16.756.5.30.1.1.10.2.47	Include	Document Template Ids CDA-CH v2.0 - nonXMLBody (2017)	DYNAMIC
2.16.756.5.30.1.1.10.9.36	Include	CDA-CH v2.0 Header Template Compilation (2017)	DYNAMIC

Relationship

Specialization: template 2.16.840.1.113883.10.12.3 (2005-09-07)

Example

Example

```
<!-- The following line is required in a CDA-CH document. It is commented here due to ART-DECOR validation issues, only -->
<!-- <?xml version="1.0" encoding="UTF-8"?> -->
<ClinicalDocument>
  <!-- include template cdach_header_DocumentRealm[2.16.756.5.30.1.1.10.2.25] '?' (dynamic) 1..1 M -->
  <typeId extension="POCD_HD000040" root="2.16.840.1.113883.1.3"/>
  <!-- include template cdach_header_DocumentTemplateIdsCdaChV2NonXmlBody[2.16.756.5.30.1.1.10.2.47] '?' (dynamic) -->
  <!-- include template cdach_other_HeaderTemplates[2.16.756.5.30.1.1.10.9.36] '?' (dynamic) -->
  <component contextConductionInd="false">
    <nonXMLBody>
      <text/>
      <confidentialityCode/>
      <languageCode/>
    </nonXMLBody>
  </component>
</ClinicalDocument>
```

Item	DT	Card	Conf	Description	Label
h17:ClinicalDocument		1 ... 1	M	This document template MAY be referenced or specialized for specific, not further described use cases. It only specifies the usage of CDA header templates. It requires a non XML CDA body, but does not define any CDA body rules. For CDA body rules, see the derived exchange formats.	(CDA...ody)

				Conformity rules that are not further modelled in ART-DECOR:		
				<ul style="list-style-type: none"> ▪ XML encoding UTF-8 encoding is required. All CDA-CH V2 documents MUST start with this line: <?xml version="1.0" encoding="UTF-8"?> ▪ Phone numbers Phone numbers MUST be declared in the international format. Dots (.) MUST be used as separators for grouping of number blocks. 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. Examples: <telecom value="tel:+41.33.123.45.67"/> <telecom value="tel:+1.987.654.3210-999"/> 		
<i>Included</i>			1 ... 1	M	from 2.16.756.5.30.1.1.10.2.25 <i>Document Realm</i> (DYNAMIC)	
└ h17:realmCode	CS		1 ... 1	M	Swiss Realm (CHE) of HL7 CDA.	CDA-CH V2
└ @code	CONF		1 ... 1	F	CHE	
└ h17:typeId	II		1 ... 1	M	HL7 CDA R2, 2005	(CDA...ody)
└ @root	uid		1 ... 1	F	2.16.840.1.113883.1.3	
└ @extension	st		1 ... 1	F	POCD_HD000040	
<i>Included</i>					from 2.16.756.5.30.1.1.10.2.47 <i>Document Template Ids CDA-CH v2.0 - nonXMLBody</i> (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	CDA-CH v2.0 ART-DECOR model - nonXMLBody.	CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.1.12	
└ h17:templateId	II	1 ... 1	M	HL7 CDA R2 (2005); contains ClinicalDocument.component as nonXMLBody.	CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.840.1.113883.10.12.3	
└ 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	
Included				from 2.16.756.5.30.1.1.10.9.36 CDA-CH v2.0 Header Template Compilation (DYNAMIC)	
Included		1 ... 1	M	from 2.16.756.5.30.1.1.10.2.23 Document Id (DYNAMIC)	
└ h17:id	II	1 ... 1	M	A unique identifier for each CDA document instance.	CDA-CH V2
└ @root	uid	1 ... 1	R	The document's id as Globally Unique Identifier (GUID).	
└ @extension	st	0	NP	NP/not present	
Included		1 ... 1	M	from 2.16.756.5.30.1.1.10.2.44 Document Code (DYNAMIC)	
└ 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.	CDA-CH V2
└ @code	cs	1 ... 1	R	The exact value of @code MUST be specified by the CDA-CH V2 derivative.	
└ @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 be specified by the CDA-CH V2 derivative.	
└ h17:translation	CD	1 ... 1	R	A translation to the Swiss EPR XDS.b metadata. The exact value of @code and @displayName MUST be specified by the CDA-CH V2 derivative.	CDA-CH V2


└ @code	cs	1 ... 1	R	The exact value of @code MUST be specified by the CDA-CH V2 derivative.	
└ @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 exact value of @displayName MUST be specified by the CDA-CH V2 derivative.	
	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)	
└ h17:title	ST	1 ... 1	M	The expected titles (at least in English, German, French and Italian) MUST be specified by the CDA-CH V2 derivative.	CDA-CH V2
└ h17:effectiveTime	TS.CH.TZ	1 ... 1	M	The document's creation date and time. If this document replaces a previous version (linked via parentDocument), this is the date and time of the new version.	CDA-CH V2
Included		1 ... 1	M	from 2.16.756.5.30.1.1.10.2.19 <i>Document Confidentiality Code</i> (DYNAMIC)	
└ h17:confidentialityCode	CE (required)	1 ... 1	M	Swiss Realm of Confidentiality Code according to the Swiss EPR regulation.	CDA-CH V2
└ @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)	
Included		1 ... 1	M	from 2.16.756.5.30.1.1.10.2.22 <i>Document Language</i> (DYNAMIC)	
└ 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

CONF

The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.11526 *HumanLanguage* (DYNAMIC)

Included

from 2.16.756.5.30.1.1.10.2.20 *Document Set Id and Version Number* (DYNAMIC)

└ 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	(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))))	
		test			
		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

Included

from 2.16.756.5.30.1.1.10.2.1 *Patient - recordTarget* (DYNAMIC)

└ h17:recordTarget		1 ... 1	R	<p>A human patient for whom this CDA document instance was created.</p> <ul style="list-style-type: none"> ▪ Target patient The HL7 CDA R2 (2005) standard allows multiple patients. In order to ensure that the information in a CDA document is unambiguously assigned to one and only patient, a CDA-CH V2 based document MUST contain exactly one patient. Special cases: In exceptional cases (e.g., new-born twins, both having jaundice), multiple documents MUST be created (all of the same content, but each with a unique patient). ▪ Patient identifiers Multiple ids (patient identification number) MAY be declared. 	CDA-CH V2
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				<p>If multiple ids are known, it is highly recommended to declare all known ids. Especially in cases where the CDA document instance is kind of an answer to a preceding order (independent of its data format), all ids specified by the ordering system SHALL be declared in the CDA document instance. This allows the receiver to assign its internal patient identification.</p> <p>The patient identification number MUST be grouped with the OID of its assigning system. The patient identification number MUST be unique within the system identified by the OID.</p> <p>The declared OID MUST be found in one of the public OID registries, such as oid.refdata.ch (preferred), oid-info.com, hl7.org/oid, www.dimdi.de/static/de/klassi/oid/, gesundheit.gv.at/OID_Frontend/ etc.</p> <p>OIDs that can't be found in a public OID registry are NOT ALLOWED.</p> <ul style="list-style-type: none"> ▪ Pseudonymizing In special cases, the demographic data of the patient are not allowed to be transmitted or they have to be pseudonymized. While HL7 CDA or its derivatives like CDA-CH or Swiss exchange formats nevertheless require these elements in the XML structure, the affected values MUST be replaced by a nullFlavor of type "MSK" (masked), in order to support the required data format structure and simultaneously to shield the real data. 	
└ hl7:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.1	
└ hl7:patientRole		1 ... 1	R		CDA-CH V2
└ hl7:id	II	1 ... *	R	The patient'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		The id itself. It MUST be unique within the issuing system.	


└ h17:addr	AD	0 ... *		The patient's address. Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA-CH V2
└ h17:telecom	TEL	0 ... *		The patient's means of communication (phone, eMail, ...).	CDA-CH V2
└ h17:patient		1 ... 1	R	Contains 2.16.756.5.30.1.1.10.9.34 <i>Person Name Information Compilation - eCH-0011</i> (DYNAMIC)	CDA-CH V2
where [h17:administrativeGenderCode [concat(@code,@codeSystem)=doc('include/voc-2.16.756.5.30.1.127.3.10.1.25-DYNAMIC.xml')//valueSet [1]/conceptList/concept/concat(@code,@codeSystem) or @nullFlavor]]					
└ h17:administrativeGenderCode	CE	1 ... 1	R	The patient's gender according to the Swiss EPR XDS.b metadata.	CDA-CH V2
└ @code	cs	1 ... 1	R		
└ @codeSystem	oid	1 ... 1	F	2.16.840.1.113883.5.1	
└ @codeSystemName	st	1 ... 1	F	HL7 AdministrativeGender	
└ @displayName	st	1 ... 1	R		
	CONF	The value of @code shall be drawn from value set 2.16.756.5.30.1.127.3.10.1.25 <i>EprGender</i> (DYNAMIC)			
└ h17:birthTime	TS.CH.TZ	1 ... 1	R	The patient's birthdate.	CDA-CH V2
└ h17:maritalStatusCode	CE	0 ... 1		The patient's marital status.	CDA-CH V2
└ @code	cs	1 ... 1	R		
└ @codeSystem	oid	1 ... 1	F	2.16.840.1.113883.1.11.12212	
└ @codeSystemName	st	1 ... 1	F	HL7 MaritalStatus	
└ @displayName	st	1 ... 1	R		

		CONF	The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.12212 <i>MaritalStatus</i> (DYNAMIC)			
	└ h17:translation		0 ... *		A translation of the code to another coding system	CDA-CH V2
	└ @code	CS	1 ... 1	R		
	└ @codeSystem	oid	1 ... 1	R		
	└ @codeSystemName	st	1 ... 1	R		
	└ @displayName	st	1 ... 1	R		
	└ h17:religiousAffiliationCode	CE	0 ... 1		The patient's religion.	CDA-CH V2
	└ @nullFlavor	CS	0 ... 1	F	NAV	
	└ @code	CS	0 ... 1			
	└ @codeSystem	oid	0 ... 1			
	└ @codeSystemName	st	0 ... 1			
	└ @displayName	st	0 ... 1			
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::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()='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	(@nullFlavor='NAV' and originalText and not(@codeSystem or @codeSystemName or @code or @displayName)) or (@codeSystem and @codeSystemName and @code and @displayName)
	Message	Either a code described by code, codeSystem, codeSystemName and displayName or originalText and nullFlavor="NAV" is REQUIRED.

└─ hl7:guardian		0 ... *		The patient's guardian.	CDA-CH V2
└─ hl7:id	II	0 ... *		The guardian'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		The id itself. It MUST be unique within the issuing system.	
└─ hl7:code	CE	0 ... 1		The guardian's role.	CDA-CH V2
└─ @nullFlavor	cs	0 ... 1			

└ @code	cs	0 ... 1		
└ @codeSystem	oid	0 ... 1	F	2.16.840.1.113883.5.111
└ @codeSystemName	st	0 ... 1	F	HL7RoleCode
└ @displayName	st	0 ... 1		


Schematron assert	role	 error
	test	(not(@nullFlavor) and @displayName and @code and @codeSystem and @codeSystemName) or (@nullFlavor and not(@displayName or @code or @codeSystem or @codeSystemName))
	Message	Either nullFlavor or a valid code is required.

└ h17:addr	AD	0 ... *		The guardian's address. Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA-CH V2
└ h17:telecom	TEL	0 ... *		The guardian's means of communication (phone, eMail, ...).	CDA-CH V2
Choice		1 ... 1		Elements to choose from: <ul style="list-style-type: none"> h17:guardianPerson containing template 2.16.756.5.30.1.1.10.9.34 <i>Person Name Information Compilation - eCH-0011</i> (DYNAMIC) h17:guardianOrganization containing template 2.16.756.5.30.1.1.10.9.24 <i>Organization Compilation with name</i> (DYNAMIC) 	
└ h17:guardianPerson				The guardian's 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
└ h17:guardianOrganization				The guardian's as an organization. Contains 2.16.756.5.30.1.1.10.9.24 <i>Organization Compilation with name</i> (DYNAMIC)	CDA-CH V2
└ h17:birthplace		0 ... 1		The patient's birthplace.	CDA-CH V2
└ h17:place		1 ... 1			CDA-CH V2

└ h17:name	EN	0 ... 1		The patient's birthplace name.	CDA-CH V2
└ h17:addr	AD	1 ... 1	R	The patient's birthplace address. Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA-CH V2
└ h17:languageCommunication		0 ... *		The patient's language skills.	CDA-CH V2
└ h17:languageCode	CS	1 ... 1			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:modeCode	CE	0 ... 1			CDA-CH V2
	CONF			The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.12249 <i>LanguageAbilityMode</i> (DYNAMIC)	
└ h17:proficiencyLevelCode	CE	0 ... 1			CDA-CH V2
	CONF			The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.12199 <i>LanguageAbilityProficiency</i> (DYNAMIC)	
└ h17:preferenceInd	BL	0 ... 1		In case of @value=true it is the patient's correspondence language.	CDA-CH V2
└ h17:providerOrganization		0 ... 1		The organization who took care of the patient in the same context with the current CDA document. E.g. entry of the Medreg, FMH Index or the Health Organisation Index (HOI) of the Swiss EPR. Contains 2.16.756.5.30.1.1.10.9.30 <i>Organization Compilation with GLN and name</i> (DYNAMIC)	CDA-CH V2
Included		1 ... *	M	from 2.16.756.5.30.1.1.10.9.23 <i>Author</i> (DYNAMIC)	
└ h17:author		1 ... *	M	Information about the author of a CDA document, section or entry. An author MAY be a person or a device.	CDA-CH V2
└ h17:templateId	II	1 ... 1	M		CDA-CH V2

└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.9.23	
└ hl7:functionCode	CE	1 ... 1	R	<p>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.</p> <p>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.</p> <p>Translations to other vocabularies are allowed.</p>	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 <pre><functionCode code="116154003" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Patient"/></pre>				
Example	Nurse <pre><functionCode code="106292003" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Professional nurse"/></pre>				
Example	Home helper <pre><functionCode nullFlavor="NAV"> <originalText>Home helper</originalText> </functionCode></pre>				
Example	Laboratory technician <pre><functionCode nullFlavor="NAV"> <originalText>Laboratory technician</originalText></pre>				

					<pre><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')			
	Schematron assert	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)			
	Schematron assert	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-CH V2
└─ @code	cs		1 ... 1	R		
└─ @codeSystem	oid		1 ... 1	R		
└─ @codeSystemName	st		1 ... 1	R		
└─ @displayName	st		1 ... 1	R		
└─ hl7:time	TS.CH.TZ		1 ... 1	R	Timestamp of the authorship.	CDA-CH V2
└─ hl7:assignedAuthor			1 ... 1	R		CDA-CH V2
	Schematron assert	role	error			
	Schematron assert	test	not(assignedAuthoringDevice/softwareName) or (representedOrganization)			
	Schematron assert	Message	For device authors the element representedOrganization is REQUIRED.			
└─ hl7:id	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.	CDA-CH V2

└ @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.	
				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 ... *			Other ids are allowed.	CDA-CH V2
└ @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	0 ... *			The author's address. Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA-CH V2
└ h17:telecom	TEL	0 ... *			The author's means of communication (phone, eMail, ...).	CDA-CH V2
Choice		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-CH V2
└ 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-CH V2

└ 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)	CDA-CH V2
Included		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		0 ... *		from 2.16.840.1.113883.10.12.154 <i>CDA Informant</i> (DYNAMIC)	
└ h17:informant		0 ... *			CDA-CH V2
└ @typeCode		0 ... 1	F	INF	
└ @contextControlCode		0 ... 1	F	OP	
Choice		1 ... 1		Elements to choose from: <ul style="list-style-type: none"> h17:assignedEntity containing template 2.16.840.1.113883.10.12.153 <i>CDA AssignedEntity</i> (DYNAMIC) h17:relatedEntity containing template 2.16.840.1.113883.10.12.316 <i>CDA RelatedEntity</i> (DYNAMIC) 	
└ h17:assignedEntity				Contains 2.16.840.1.113883.10.12.153 <i>CDA AssignedEntity</i> (DYNAMIC)	CDA-CH V2
└ h17:relatedEntity				Contains 2.16.840.1.113883.10.12.316 <i>CDA RelatedEntity</i> (DYNAMIC)	CDA-CH V2
Included		1 ... 1	R	from 2.16.756.5.30.1.1.10.2.3 <i>Custodian</i> (DYNAMIC)	

└ h17:custodian		1 ... 1	R	The organization in whose name this CDA document has been created (corresponds to the sender of a letter).	CDA-CH V2
└ h17:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.3	
└ h17:assignedCustodian		1 ... 1	R		CDA-CH V2
└ h17:representedCustodianOrganization		1 ... 1	R		CDA-CH V2
└ h17:id	II	1 ... *	M	The custodian'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 ... 1	R	The custodian's name.	CDA-CH V2
└ h17:telecom	TEL	0 ... *		The custodian's means of communication (phone, eMail, ...).	CDA-CH V2
└ h17:addr	AD	0 ... *		The custodian's address(es). Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA-CH V2
<i>Included</i>		1 ... *	M	from 2.16.756.5.30.1.1.10.2.4 <i>Recipient - informationRecipient</i> (DYNAMIC)	
└ h17:informationRecipient		1 ... *	M	A recipient of this CDA document (corresponds to the addressee of a letter - person or organization). Recipient types: <ul style="list-style-type: none"> The main recipient of the document is indicated by typeCode 'PRCP' (primary recipient). Note: Since it makes no sense to create a CDA document without doing it for someone, in Switzerland at least one recipient MUST be declared. If the document is created for the user's own needs, the	CDA-CH V2


				<p>user itself or its organization will be the primary recipient.</p> <ul style="list-style-type: none"> Other recipients (copy to; Cc) are indicated with typeCode, TRC '(secondary recipient). 	
<p>└ @typeCode</p>	cs	0 ... 1		<p>The main recipient of the document is indicated by typeCode 'PRCP' (primary recipient). This is the default value used when the attribute is not present.</p> <p>Other recipients (copy to; Cc) are indicated with typeCode, TRC '(secondary recipient). Note: Since it makes no sense to create a CDA document without doing it for someone, in Switzerland at least one recipient MUST be declared. If the document is created for the user's own needs, the user itself or its organization will be the primary recipient.</p>	
				<p>The value of @typeCode shall be drawn from value set 2.16.840.1.113883.1.11.19366 <i>x_InformationRecipient</i> (DYNAMIC)</p>	
<p>└ h17:templateId</p>	II	1 ... 1	M		CDA-CH V2
<p>└ @root</p>	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.4	
<p>└ h17:intendedRecipient</p>		1 ... 1	R		CDA-CH V2
<p>└ h17:id</p>	II	0 ... *	R	The recipient's identification(s).	CDA-CH V2
<p>└ @root</p>	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 .	
<p>└ @extension</p>	st	0 ... 1		Contains the ID itself. The ID MUST be unique within the system that issued the ID.	
<p>└ h17:addr</p>	AD	0 ... *		The recipient's address(es). Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA-CH V2
<p>└ h17:telecom</p>	TEL	0 ... *		The recipient's means of communication (phone, eMail, ...).	CDA-CH V2
<p>└ h17:informationRecipient</p>		0 ... 1		The addressee 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:receivedOrganization		0 ... 1		The addressee organization. Contains 2.16.756.5.30.1.1.10.9.24 <i>Organization Compilation with name</i> (DYNAMIC)	CDA-CH V2
Included		0 ... 1		from 2.16.756.5.30.1.1.10.2.5 <i>Legal Authenticator</i> (DYNAMIC)	
└ h17:legalAuthenticator		0 ... 1		Information about the legal authenticator of a CDA document. A legal authenticator MUST be a person.	CDA-CH V2
└ h17:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.5	
└ h17:time	TS.CH.TZ	1 ... 1	R	Timestamp of the signature.	CDA-CH V2
└ h17:signatureCode	CS	1 ... 1	R		CDA-CH V2
└ @code	cs	1 ... 1	F	S	
└ @codeSystem	oid	0	NP	NP/not present	
└ @codeSystemName	st	0	NP	NP/not present	
└ @displayName	st	0	NP	NP/not present	
	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	Contains 2.16.756.5.30.1.1.10.9.12 <i>Assigned Entity Compilation with id</i> (DYNAMIC)	CDA-CH V2
Included		0 ... *		from 2.16.756.5.30.1.1.10.2.6 <i>Authenticator</i> (DYNAMIC)	
└ h17:authenticator		0 ... *		Information about an authenticator of a CDA document. An authenticator MUST be a person.	CDA-CH V2
└ h17:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.6	


└ h17:time	TS.CH.TZ	1 ... 1	R	Timestamp of the signature.	CDA-CH V2	
└ h17:signatureCode	CS	1 ... 1	R		CDA-CH V2	
└ @code	cs	1 ... 1	F	S		
└ @codeSystem	oid	0	NP	NP/not present		
└ @codeSystemName	st	0	NP	NP/not present		
└ @displayName	st	0	NP	NP/not present		
	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	Contains 2.16.756.5.30.1.1.10.9.12 <i>Assigned Entity Compilation with id</i> (DYNAMIC)	CDA-CH V2	
Included		0 ... *		from 2.16.756.5.30.1.1.10.2.40 <i>Employer - participant</i> (DYNAMIC)		
└ h17:participant		0 ... *		Information on the patient's employer, school or other affiliated (e.g., volunteer) organization.	CDA-CH V2	
└ @typeCode	cs	1 ... 1	F	IND		
└ h17:templateId	II	1 ... 1	M	CDA-CH v2.0 ART-DECOR model of Employer.	CDA-CH V2	
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.40		
└ h17:templateId		1 ... *	M	CH-PCC ART-DECOR model of IHE PCC Employer and School Contacts.	CDA-CH V2	
└ @root	cs	1 ... 1	F	2.16.756.5.30.1.1.10.2.41		
└ h17:templateId	II	1 ... 1	M	IHE PCC Employer and School Contacts.	CDA-CH V2	
└ @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.5.3.1.2.2		

└ h17:time	IVL_TS.CH.TZ	0 ... 1		Validity period of contract.	CDA-CH V2
└ h17:low	TS.CH.TZ	1 ... 1	R	Start of the contract.	CDA-CH V2
└ h17:high	TS.CH.TZ	1 ... 1	R	End of the contract.	CDA-CH V2
└ h17:associatedEntity		1 ... 1	R		CDA-CH V2
└ @classCode	cs	1 ... 1	F	CON	
└ h17:id	II	0 ... 1	R	The id of the contract ([ge]: Mitarbeiternummer; [fr]: Numéro d'employé).	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		The id itself. It MUST be unique within the issuing system.	
└ h17:code	CE	1 ... 1	R		CDA-CH V2
└ @code	cs	1 ... 1	R		
└ @codeSystem	oid	1 ... 1	F	1.3.6.1.4.1.19376.1.5.3.3	
└ @codeSystemName	st	1 ... 1	F	IHERoleCode	
└ @displayName	st	0	NP	NP/not present	
	CONF			The value of @code shall be drawn from value set 2.16.756.5.30.1.1.11.77 <i>IHERoleCode Employer and School Contacts</i> (DYNAMIC)	
└ h17:associatedPerson		0 ... 1		Contact person at the employer, school or other affiliated (e.g., volunteer) organization. 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 employer, school or other affiliated (e.g., volunteer) organization. Contains 2.16.756.5.30.1.1.10.9.27 <i>Organization Compilation with name, addr, telecom</i> (DYNAMIC)	CDA-CH V2
Included		0 ... *		from 2.16.756.5.30.1.1.10.2.15 <i>Insurance - participant</i> (DYNAMIC)	
└─ 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	
└─ h17:time	IVL_TS.CH.TZ	0 ... 1		Validity period of the contract.	CDA-CH V2
└─ h17:low	TS.CH.TZ	1 ... 1	R	Start of the contract.	CDA-CH V2
└─ h17:high	TS.CH.TZ	1 ... 1	R	End of the contract.	CDA-CH V2
└─ h17:associatedEntity		1 ... 1	R		CDA-CH V2
└─ @classCode	CS	1 ... 1	F	PAYOR	
└─ h17:id	II	1 ... 1	R	The id of the contract ([ge]: Versichertennummer; [fr]: Numéro d'assuré).	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		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 (MilIA), 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
Included		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	
└ hl7:high	TS.CH.TZ	1 ... 1	R	Expiration date of the insurance card.	CDA-CH V2
└ hl7:associatedEntity		1 ... 1	R		CDA-CH V2
└ @classCode	cs	1 ... 1	F	POLHOLD	
└ hl7: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
Included		0 ... *		from 2.16.756.5.30.1.1.10.2.43 <i>Patient Contact - participant</i> (DYNAMIC)	
└ hl7:participant		0 ... *		Information on a patient contact.	CDA-CH V2
└ @typeCode	cs	1 ... 1	F	IND	
└ hl7:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.43	
└ hl7:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.5.3.1.2.4	

└ h17:time	IVL_TS.CH.TZ	0 ... 1		Validity period of the participation.	CDA-CH V2
└ h17:low	TS.CH.TZ	1 ... 1	R	Start of participation.	CDA-CH V2
└ h17:high	TS.CH.TZ	1 ... 1	R	End of participation.	CDA-CH V2
└ h17:associatedEntity		1 ... 1	R	Either the contact person or the contact's organization SHALL be present.	CDA-CH V2
└ @classCode	cs	1 ... 1	R	The classCode attribute SHALL be present, and contains a value from the following set: AGNT: agents of the patient CAREGIVER: care givers ECON: emergency contacts NOK: next of kin PRS: other relations	
└ h17:code	CE	1 ... 1	R	The contact's role.	CDA-CH V2
└ @nullFlavor	cs	0 ... 1			
└ @code	cs	0 ... 1			
└ @codeSystem	oid	0 ... 1	F	2.16.840.1.113883.5.111	
└ @codeSystemName	st	0 ... 1	F	HL7RoleCode	
└ @displayName	st	0 ... 1			
				role  error	
	Schematron assert			test (not(@nullFlavor) and @displayName and @code and @codeSystem and @codeSystemName) or (@nullFlavor and not(@displayName or @code or @codeSystem or @codeSystemName))	
				Message Either nullFlavor or a valid code is required.	
└ h17:addr	AD	0 ... *		The contact's address. Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA-CH V2

└ h17:telecom	TEL	0 ... *		The contact's means of communication (phone, eMail, ...).	CDA-CH V2
└ h17:associatedPerson		0 ... 1	C	The contact 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:scopingOrganization		0 ... 1	C	The contact's organization. Contains 2.16.756.5.30.1.1.10.9.24 <i>Organization Compilation with name</i> (DYNAMIC)	CDA-CH V2
	Schematron assert	role	● error		
		test	@classCode=('AGNT','CAREGIVER','ECON','NOK','PRS')		
		Message	The classCode attribute shall be present, and contains a value from the set AGNT, CAREGIVER, ECON, NOK, or PRS to identify contacts that are agents of the patient, care givers, emergency contacts, next of kin, or other relations respectively.		
<i>Included</i>		0 ... *		from 2.16.756.5.30.1.1.10.2.16 <i>Order Reference - inFulfillmentOf</i> (DYNAMIC)	
└ 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.	
└ @extension	st	0 ... 1		Contains the order ID itself. The ID MUST be unique within the system that issued the ID.	
<i>Included</i>		0 ... *		from 2.16.756.5.30.1.1.10.2.46 <i>Health Service - documentationOf</i> (DYNAMIC)	
└ 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	
└ h17:serviceEvent		1 ... 1	R		CDA-CH V2
└ @classCode	cs	1 ... 1	F	ACT	
└ @moodCode	cs	1 ... 1	F	EVN	
└ h17:id	II	0 ... *		Health service identifiers such as case number ([ge]: Fallnummer; [fr]: Numéro de cas), consultation id, episode id, etc.	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		The id itself. It MUST be unique within the issuing system.	
└ h17: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
└ @nullFlavor	st	1 ... 1	F	NAV	
└ @code	cs	0	NP	NP/not present	
└ @codeSystem	oid	0	NP	NP/not present	
└ @codeSystemName	st	0	NP	NP/not present	
└ @displayName	st	0	NP	NP/not present	
└ h17:translation		0 ... *		A translation of the code to another coding system.	CDA-CH V2

└ @code	cs	1 ... 1	R		
└ @codeSystem	oid	1 ... 1	R		
└ @codeSystemName	st	1 ... 1	R		
└ @displayName	st	1 ... 1	R		
└ h17:effectiveTime	IVL_TS.CH.TZ	1 ... 1	R	Duration of the health service.	CDA-CH V2
└ h17:low	TS.CH.TZ	1 ... 1	R	Start of the health service.	CDA-CH V2
└ h17:high	TS.CH.TZ	1 ... 1	R	End of the health service.	CDA-CH V2
Included		0 ... *		from 2.16.756.5.30.1.1.10.9.31 <i>Performer</i> (DYNAMIC)	
└ h17:performer		0 ... *		Information about a healthcare provider who was the primary performer of the act.	CDA-CH V2
└ @typeCode	cs	1 ... 1	F	PRF	
└ h17:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.9.31	
└ h17:templateId		1 ... 1	R		CDA-CH V2
└ @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-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
└ @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.

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.
--	--	---------	---	---

└ hl7:originalText	ED	0 ... 1	C		CDA-CH V2
└ 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
└ @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. 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	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 2.16.756.5.30.1.1.10.2.13 Document Replacement - relatedDocument (DYNAMIC)

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

└ h17:setId	II	1 ... 1	M	The setId of the document to be replaced MUST be declared.	CDA-CH V2
└ @extension	st	0	NP	NP/not present	
└ @root	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	(@root=/h17:ClinicalDocument/h17:id/@root) and not(@extension) and not(/h17:ClinicalDocument/h17:id/@extension)	
		test		ClinicalDocument/setId: MUST be identical to the one of the replaced document	
		Message			
└ h17:versionNumber	INT	1 ... 1	M	The version number of the document to be replaced.	CDA-CH V2
	Schematron assert	role	● error	@value > /h17:ClinicalDocument/h17:versionNumber/@value	
		test		ClinicalDocument/versionNumber: MUST be higher than the one of the replaced document	
		Message			
Included		0 ... *		from 2.16.840.1.113883.10.12.114 CDA Authorization (DYNAMIC)	
└ h17:authorization		0 ... *			CDA-CH V2
└ @typeCode		0 ... 1	F	AUTH	
└ h17:consent		1 ... 1			CDA-CH V2
└ @classCode		0 ... 1	F	CONS	
└ @moodCode		0 ... 1	F	EVN	
└ h17:id	II	0 ... *			CDA-CH V2
└ h17:code	CE	0 ... 1			CDA-CH V2

└ @codeSystem	CONF	0 ... 1	F	2.16.840.1.113883.5.4 (Act Code)	
└ h17:statusCode	CS	1 ... 1	R		CDA-CH V2
└ @code	CONF	0 ... 1	F	completed	
Included		0 ... 1		from 2.16.840.1.113883.10.12.113 CDA componentOf (DYNAMIC)	
└ h17:componentOf		0 ... 1			CDA-CH V2
└ @typeCode		0 ... 1	F	COMP	
└ h17:encompassingEncounter		1 ... 1			CDA-CH V2
└ @classCode		0 ... 1	F	ENC	
└ @moodCode		0 ... 1	F	EVN	
└ h17:id	II	0 ... *			CDA-CH V2
└ h17:code	CE	0 ... 1			CDA-CH V2
	CONF	The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.13955 ActEncounter-Code (DYNAMIC)			
└ h17:effectiveTime	IVL_TS	1 ... 1	R		CDA-CH V2
└ h17:dischargeDispositionCode	CE	0 ... 1			CDA-CH V2
	CONF	shall be drawn from concept domain "EncounterDischargeDisposition"			
└ h17:responsibleParty		0 ... 1		Contains 2.16.840.1.113883.10.12.153 CDA AssignedEntity (DYNAMIC)	CDA-CH V2
└ @typeCode		0 ... 1	F	RESP	

└ h17:encounterParticipant		0 ... *			CDA-CH V2
└ @typeCode	CS	1 ... 1	R		
	CONF	The value of @typeCode shall be drawn from value set 2.16.840.1.113883.1.11.19600 <i>x_EncounterParticipant</i> (DYNAMIC)			
└ h17:time	IVL_TS	0 ... 1			CDA-CH V2
└ h17:assignedEntity		1 ... 1		Contains 2.16.840.1.113883.10.12.153 <i>CDA AssignedEntity</i> (DYNAMIC)	CDA-CH V2
└ h17:location		0 ... 1			CDA-CH V2
└ @typeCode		0 ... 1	F	LOC	
└ h17:healthCareFacility		1 ... 1			CDA-CH V2
└ @classCode		0 ... 1	F	SDLOC	
└ h17:id	II	0 ... *			CDA-CH V2
└ h17:code	CE	0 ... 1			CDA-CH V2
	CONF	The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.17660 <i>ServiceDeliveryLocationRoleType</i> (DYNAMIC)			
└ h17:location		0 ... 1		Contains 2.16.840.1.113883.10.12.317 <i>CDA Place</i> (DYNAMIC)	CDA-CH V2
└ h17:serviceProvider Organization		0 ... 1		Contains 2.16.840.1.113883.10.12.151 <i>CDA Organization</i> (DYNAMIC)	CDA-CH V2
└ h17:component		1 ... 1	R		(CDA...ody)
└ h17:nonXMLBody		1 ... 1	R		(CDA...ody)

h17:text	ED	1 ... 1	R	(CDA...ody)
	Schematron assert	role	warning	
		test	not(//hl7:id[@root='2.16.756.5.30.1.127.3.10.3'])	
		Message	This CDA-CH V2 document contains a Swiss EPR-SPID. Please make sure, that this fits the legal base.	
	Schematron report	role	warning	
		test	//hl7:id[@root=('2.16.756.5.31', '2.16.756.5.32')]/parent::hl7:patientRole	
		Message	This CDA-CH V2 document contains a Swiss Social Security number as patient identifier. Please make sure, that this fits the legal base.	
	Schematron assert	role	error	
		test	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)])	
		Message	Swiss EPR-SPID and Social Security numbers are not allowed in CDA-CH V2 documents for other objects than the patient.	


7.3.2 CDA Header Level Templates

Die nachfolgenden CDA Header Level Templates werden in der Reihenfolge aufgelistet, wie sie von HL7 CDA R2 (2005) resp. in dem davon abgeleiteten XML Schema (POCD_MT000040.xsd) im CDA Dokument erwartet werden. Da es allerdings nicht für jedes Element im CDA Header auch tatsächlich ein Template in CDA-CH gibt resp. es für einzelne Elemente im CDA Header mehrere Templates gibt, hier die entsprechende Reihenfolge der CDA Header Elemente:




1. realmCode: siehe "7 Document_Realm"
2. typeId: Vom HL7 CDA R2 (2005) Standard vorgegebener, fixer Wert. Deshalb kein CDA-CH Template.
3. templateld: siehe "0 Document_Template_Ids_CDA-CH_V2"
4. id: siehe "7 Document_Id"
5. code: siehe "7 Document_Code"
6. title: Wird von den, von CDA-CH abgeleiteten Austauschformaten definiert. Deshalb kein CDA-CH Template.
7. effectiveTime: Einzelner Wert, der das Ausgabedatum des jeweiligen CDA Dokuments enthält. Deshalb kein CDA-CH Template.

8. confidentialityCode: siehe "7 Document_Confidentiality_Code"
9. languageCode: siehe "7 Document_Language"
10. setId: siehe "7 Document_Set_Id_and_Version_Number"
11. versionNumber: siehe "7 Document_Set_Id_and_Version_Number"
12. recordTarget: siehe "7 Patient_-_recordTarget"
13. author: siehe "7 Author_2"
14. dataEnterer: siehe "7 Data_Enterer"
15. informant: siehe "7 CDA_Informant"
16. custodian: siehe "7 Custodian"
17. informationRecipient: siehe "7 Recipient_-_informationRecipient"
18. legalAuthenticator: siehe "7 Legal_Authenticator"
19. authenticator: siehe "7 Authenticator"
20. participant: siehe "7 Employer_-_participant", "7 Insurance_-_participant", "7 Insurance_Card_-_participant"
21. inFulfillmentOf: siehe "7 Order_Reference_-_inFulfillmentOf"
22. documentationOf: siehe "7 Health_Service_-_documentationOf"
23. relatedDocument: siehe "7 Document_Replacement_-_relatedDocument"
24. authorization: siehe "7 CDA_Authorization"
25. componentOf: siehe "7 CDA_componentOf"

7.3.2.1 Document Realm

Id	2.16.756.5.30.1.1.10.2.25	Effective Date	2018-04-18
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)		


Used by 0 transactions and 3 templates, Uses 0 templates

Used by	as	Name	Version
2.16.756.5.30.1.1.10.1.12	Include	 CDA-CH v2.0 - nonXMLBody (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.14	Include	 CDA-CH v2.0 - structuredBody enhanced (2018)	2018-04-18
2.16.756.5.30.1.1.10.1.9	Include	 CDA-CH v2.0 - structuredBody (2017)	2018-04-18


Relationship Version: template 2.16.756.5.30.1.1.10.2.25 (2015-12-18)

Example

```
<realmCode code="CHE"/>
```




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	

7.3.2.2 Document Template Ids CDA-CH v2.0 - nonXMLBody

Id	2.16.756.5.30.1.1.10.2.47	Effective Date	2018-04-18
Status	 Active	Version Label	2017
Name	cdach_header_DocumentTemplateIdsCdaChv2.0-nonXmlBody	Display Name	Document Template Ids CDA-CH v2.0 - nonXMLBody


Description

CDA-CH V2 bases on HL7 CDA R2 (2005) and - by using this template - require a non XML body for specific, not further described use cases. CDA-CH V2 derivatives, i.e. Swiss exchange formats SHOULDNT use this template, as they better refer to the document level template requiring a structured body. 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)							
Used by / Uses	Used by 0 transactions and 1 template, Uses 0 templates							
	<table border="1"><thead><tr><th>Used by</th><th>as</th><th>Name</th><th>Version</th></tr></thead><tbody><tr><td>2.16.756.5.30.1.1.10.1.12</td><td>Include</td><td> CDA-CH v2.0 - nonXMLBody (2017)</td><td>2018-04-18</td></tr></tbody></table>	Used by	as	Name	Version	2.16.756.5.30.1.1.10.1.12	Include	 CDA-CH v2.0 - nonXMLBody (2017)
Used by	as	Name	Version					
2.16.756.5.30.1.1.10.1.12	Include	 CDA-CH v2.0 - nonXMLBody (2017)	2018-04-18					
Example	<p>Example</p> <pre><!-- CDA-CH v2.0 specification (optional, but informative template id). --> <templateId root="2.16.756.5.30.1.1.1.4"/> <!-- CDA-CH v2.0 ART-DECOR model - nonXMLBody. --> <templateId root="2.16.756.5.30.1.1.10.1.12"/> <!-- HL7 CDA R2 (2005) having a nonXMLBody. --> <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	<table border="1"><thead><tr><th>DT</th><th>Card</th><th>Conf</th><th>Description</th><th>Label</th></tr></thead></table>	DT	Card	Conf	Description	Label		
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	CDA-CH v2.0 ART-DECOR model - nonXMLBody.	CDA-CH V2
└ @root	uid	1 ... 1 F	2.16.756.5.30.1.1.10.1.12	
h17:templateId	II	1 ... 1 M	HL7 CDA R2 (2005); contains ClinicalDocument.component as nonXMLBody.	CDA-CH V2
└ @root	uid	1 ... 1 F	2.16.840.1.113883.10.12.3	
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	

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

Id	2.16.756.5.30.1.1.10.2.18	Effective Date	2018-04-18
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)												
Used by / Uses	Used by 0 transactions and 2 templates, Uses 0 templates												
	<table border="1"> <thead> <tr> <th>Used by</th> <th>as</th> <th>Name</th> <th>Version</th> </tr> </thead> <tbody> <tr> <td>2.16.756.5.30.1.1.10.1.14</td> <td>Include</td> <td> CDA-CH v2.0 - structuredBody enhanced (2018)</td> <td>2018-04-18</td> </tr> <tr> <td>2.16.756.5.30.1.1.10.1.9</td> <td>Include</td> <td> CDA-CH v2.0 - structuredBody (2017)</td> <td>2018-04-18</td> </tr> </tbody> </table>	Used by	as	Name	Version	2.16.756.5.30.1.1.10.1.14	Include	CDA-CH v2.0 - structuredBody enhanced (2018)	2018-04-18	2.16.756.5.30.1.1.10.1.9	Include	CDA-CH v2.0 - structuredBody (2017)	2018-04-18
	Used by	as	Name	Version									
2.16.756.5.30.1.1.10.1.14	Include	CDA-CH v2.0 - structuredBody enhanced (2018)	2018-04-18										
2.16.756.5.30.1.1.10.1.9	Include	CDA-CH v2.0 - structuredBody (2017)	2018-04-18										
Relationship	Version: template 2.16.756.5.30.1.1.10.2.18 (2016-06-06)												
Example	<p>Example</p> <pre><!-- CDA-CH v2.0 specification (optional, but informative template id). --> <templateId root="2.16.756.5.30.1.1.1.1.4"/> <!-- 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	

hl7: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	

7.3.2.4 Document Id

Id	2.16.756.5.30.1.1.10.2.23	Effective Date	2018-04-18
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)		
Used by / Uses	Used by 0 transactions and 4 templates, Uses 0 templates		
	Used by	as	Name
	2.16.756.5.30.1.1.10.9.36	Include	● CDA-CH v2.0 Header Template Compilation (2017)
	2.16.756.5.30.1.1.10.1.12	🔗	● CDA-CH v2.0 - nonXMLBody (2017)
	2.16.756.5.30.1.1.10.1.14	🔗	● CDA-CH v2.0 - structuredBody enhanced (2018)
2.16.756.5.30.1.1.10.1.9	🔗	● CDA-CH v2.0 - structuredBody (2017)	
Relationship	Version: template 2.16.756.5.30.1.1.10.2.23 (2015-12-18)		

Example

Example

```
<id root="807563C2-5146-11D5-A672-00B0D022E945"/>
```

Item	DT	Card	Conf	Description	Label
h17:id	II	1 ... 1	M	A unique identifier for each CDA document instance.	CDA-CH V2
└ @root	uid	1 ... 1	R	The document's id as Globally Unique Identifier (GUID).	
└ @extension	st	0	NP	NP/not present	

7.3.2.5 Document Code

Id	2.16.756.5.30.1.1.10.2.44
Status	● Active
Name	cdach_header_DocumentCode

Effective Date	2018-04-18
Version Label	2017
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. All CDA-CH V2 derivatives, i.e. Swiss exchange formats MUST specialise this template by precisising the exact value of @code and its translation to the Swiss EPR XDS.b metadata.

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

Used by / Uses

Used by 0 transactions and 4 templates, Uses 0 templates

Used by	as	Name	Version
2.16.756.5.30.1.1.10.9.36	Include	 CDA-CH v2.0 Header Template Compilation (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.12		 CDA-CH v2.0 - nonXMLBody (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.14		 CDA-CH v2.0 - structuredBody enhanced (2018)	2018-04-18
2.16.756.5.30.1.1.10.1.9		 CDA-CH v2.0 - structuredBody (2017)	2018-04-18

Example

```
eMedication, CDA-CH-EMED V1, ePrescription

<!-- IHE PHRAM PRE defines the document code -->
<code code="57833-6" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Prescription for medication">
  <!-- 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="440545006" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Prescription for
Medication"/>
</code>
```

Example

```
Social-medical care plan, CDA-CH-SMCP V2

<!-- IHE PPOC defines the document code -->
<code code="56447-6" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Plan of Care Note">
  <!-- 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="721915006" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Admission re-
quest"/>
</code>
```

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

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.	CDA-CH V2
└ @code	cs	1 ... 1	R	The exact value of @code MUST be specified by the CDA-CH V2 derivative.	
└ @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 be specified by the CDA-CH V2 derivative.	
└ h17:translation	CD	1 ... 1	R	A translation to the Swiss EPR XDS.b metadata. The exact value of @code and @displayName MUST be specified by the CDA-CH V2 derivative.	CDA-CH V2
└ @code	cs	1 ... 1	R	The exact value of @code MUST be specified by the CDA-CH V2 derivative.	
└ @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 exact value of @displayName MUST be specified by the CDA-CH V2 derivative.	
	CONF	The value of @code shall be drawn from value set 2.16.756.5.30.1.127.3.10.1.27 <i>EprDocumentType-Code</i> (DYNAMIC)			

7.3.2.6 Document Confidentiality Code






















Id	2.16.756.5.30.1.1.10.2.19	Effective Date	2018-04-18
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)																				
Used by / Uses	Used by 0 transactions and 4 templates, Uses 0 templates																				
	<table border="1"><thead><tr><th>Used by</th><th>as</th><th>Name</th><th>Version</th></tr></thead><tbody><tr><td>2.16.756.5.30.1.1.10.9.36</td><td>Include</td><td> CDA-CH v2.0 Header Template Compilation (2017)</td><td>2018-04-18</td></tr><tr><td>2.16.756.5.30.1.1.10.1.12</td><td></td><td> CDA-CH v2.0 - nonXMLBody (2017)</td><td>2018-04-18</td></tr><tr><td>2.16.756.5.30.1.1.10.1.14</td><td></td><td> CDA-CH v2.0 - structuredBody enhanced (2018)</td><td>2018-04-18</td></tr><tr><td>2.16.756.5.30.1.1.10.1.9</td><td></td><td> CDA-CH v2.0 - structuredBody (2017)</td><td>2018-04-18</td></tr></tbody></table>	Used by	as	Name	Version	2.16.756.5.30.1.1.10.9.36	Include	 CDA-CH v2.0 Header Template Compilation (2017)	2018-04-18	2.16.756.5.30.1.1.10.1.12		 CDA-CH v2.0 - nonXMLBody (2017)	2018-04-18	2.16.756.5.30.1.1.10.1.14		 CDA-CH v2.0 - structuredBody enhanced (2018)	2018-04-18	2.16.756.5.30.1.1.10.1.9		 CDA-CH v2.0 - structuredBody (2017)	2018-04-18
	Used by	as	Name	Version																	
	2.16.756.5.30.1.1.10.9.36	Include	 CDA-CH v2.0 Header Template Compilation (2017)	2018-04-18																	
	2.16.756.5.30.1.1.10.1.12		 CDA-CH v2.0 - nonXMLBody (2017)	2018-04-18																	
2.16.756.5.30.1.1.10.1.14		 CDA-CH v2.0 - structuredBody enhanced (2018)	2018-04-18																		
2.16.756.5.30.1.1.10.1.9		 CDA-CH v2.0 - structuredBody (2017)	2018-04-18																		
Relationship	Version: template 2.16.756.5.30.1.1.10.2.19 (2016-06-06)																				
Example	<pre><confidentialityCode code="1051000195109" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="normal"/></pre>																				

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
└ @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)	

7.3.2.7 Document Language








Id	2.16.756.5.30.1.1.10.2.22
Status	● Active
Name	cdach_header_DocumentLanguage

Effective Date	2018-04-18
Version Label	2017
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)

Used by / Uses	Used by 0 transactions and 4 templates, Uses 0 templates			
	Used by	as	Name	Version
	2.16.756.5.30.1.1.10.9.36	Include	 CDA-CH v2.0 Header Template Compilation (2017)	2018-04-18
	2.16.756.5.30.1.1.10.1.12		 CDA-CH v2.0 - nonXMLBody (2017)	2018-04-18
	2.16.756.5.30.1.1.10.1.14		 CDA-CH v2.0 - structuredBody enhanced (2018)	2018-04-18
2.16.756.5.30.1.1.10.1.9		 CDA-CH v2.0 - structuredBody (2017)	2018-04-18	
Relationship	Version: template 2.16.756.5.30.1.1.10.2.22 (2015-12-18)			
Example	US-English <pre><languageCode code="en-US"/></pre>			
Example	Swiss-German <pre><languageCode code="de-CH"/></pre>			
Example	Swiss-French <pre><languageCode code="fr-CH"/></pre>			
Example	Swiss-Italian <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
	CONF	The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.11526 <i>HumanLanguage</i> (DYNAMIC)			

7.3.2.8 Document Set Id and Version Number











Id	2.16.756.5.30.1.1.10.2.20	Effective Date	2018-04-18
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)		
Used by / Uses	Used by 0 transactions and 4 templates, Uses 0 templates		
	Used by	as	Name
	2.16.756.5.30.1.1.10.9.36	Include	 CDA-CH v2.0 Header Template Compilation (2017)
	2.16.756.5.30.1.1.10.1.12		 CDA-CH v2.0 - nonXMLBody (2017)
	2.16.756.5.30.1.1.10.1.14		 CDA-CH v2.0 - structuredBody enhanced (2018)
2.16.756.5.30.1.1.10.1.9		 CDA-CH v2.0 - structuredBody (2017)	
Relationship	Version: template 2.16.756.5.30.1.1.10.2.20 (2015-12-18)		

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
hl7: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
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7.3.2.9 Patient - recordTarget

Id	2.16.756.5.30.1.1.10.2.1	Effective Date	2018-04-18
Status	 Active	Version Label	2017
Name	cdach_header_Patient	Display Name	Patient - recordTarget
Description	A human patient for whom this CDA document instance was created. 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 2.16.756.5.30.1.1.10.2.1		
Label	CDA-CH V2		
Classification	CDA Header Level Template		
Open/Closed	Open (other than defined elements are allowed)		
Used by / Uses	Used by 0 transactions and 4 templates, Uses 5 templates		
	Used by	as	Name
	2.16.756.5.30.1.1.10.9.36	Include	 CDA-CH v2.0 Header Template Compilation (2017)
	2.16.756.5.30.1.1.10.1.12		 CDA-CH v2.0 - nonXMLBody (2017)
	2.16.756.5.30.1.1.10.1.14		 CDA-CH v2.0 - structuredBody enhanced (2018)
	2.16.756.5.30.1.1.10.1.9		 CDA-CH v2.0 - structuredBody (2017)
	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)	
		Version	
			2018-04-18
			2018-04-18
			2018-04-18
			2018-04-18
			DYNAMIC
			DYNAMIC

- 2.16.756.5.30.1.1.10.9.49 Include ● Original Text Reference (2017) DYNAMIC
- 2.16.756.5.30.1.1.10.9.24 Containment ● Organization Compilation with name (2017) DYNAMIC
- 2.16.756.5.30.1.1.10.9.30 Containment ● Organization Compilation with GLN and name (2017) DYNAMIC

Relationship

Specialization: template 2.16.840.1.113883.10.12.101 (2005-09-07)

Example

Sample patient

```

<recordTarget>
  <templateId root="2.16.756.5.30.1.1.10.2.1"/>
  <patientRole>
    <id root="2.999" extension="898989"/>
    <addr use="HP">
      <streetName>Leidensweg</streetName>
      <houseNumber>10</houseNumber>
      <postalCode>9876</postalCode>
      <city>Specimendorf</city>
      <country>CH</country>
    </addr>
    <telecom use="HP" value="tel:+41.32.685.12.34"/>
    <telecom use="PUB" value="mailto:sesuna.tigrinja@sampledomain.ch"/>
  <patient>
    <name>
      <given>Sesuna</given>
      <family>Tigrinja</family>
    </name>
    <administrativeGenderCode code="F" codeSystem="2.16.840.1.113883.5.1" codeSystemName="AdministrativeGender" displayName="Female"/>
    <birthTime value="20000404"/>
  </patient>
  <providerOrganization>
    <id root="2.51.1.3" extension="7608888888888888"/>
    <name>Gruppenpraxis CH, Dr. med. Allzeit Bereit</name>
  </providerOrganization>
</patientRole>
</recordTarget>

```

Example

Pseudonymizing with initials

```

<recordTarget>

```

```

<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>

```

Item	DT	Card	Conf	Description	Label
hl7:recordTarget		1 ... 1	R	<p>A human patient for whom this CDA document instance was created.</p> <ul style="list-style-type: none"> Target patient The HL7 CDA R2 (2005) standard allows multiple patients. In order to ensure that the information in a CDA document is unambiguously assigned to one and only patient, a CDA-CH V2 based document MUST contain exactly one patient. Special cases: In exceptional cases (e.g., new-born twins, both having jaundice), multiple documents MUST be created (all of the same content, but each with a unique patient). Patient identifiers Multiple ids (patient identification number) MAY be declared. If multiple ids are known, it is highly recommended to declare all known ids. Especially in cases where the CDA document instance is kind of an answer to a preceding order (independent of its data format), all ids specified by the ordering system SHALL be declared in the CDA document instance. This allows the receiver to assign its internal patient identification. The patient identification number MUST be grouped with the OID of its assigning system. The patient identification number MUST be unique within the system identified by the OID. The declared OID MUST be found in one of the public OID registries, 	CDA-CH V2

				such as oid.refdata.ch (preferred), oid-info.com, hl7.org/oid, www.dimdi.de/static/de/klassi/oid/, gesundheit.gv.at/OID_Frontend/ etc. OIDs that can't be found in a public OID registry are NOT ALLOWED.	
				<ul style="list-style-type: none"> ▪ Pseudonymizing In special cases, the demographic data of the patient are not allowed to be transmitted or they have to be pseudonymized. While HL7 CDA or its derivatives like CDA-CH or Swiss exchange formats nevertheless require these elements in the XML structure, the affected values MUST be replaced by a nullFlavor of type "MSK" (masked), in order to support the required data format structure and simultaneously to shield the real data. 	
└ hl7:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.1	
└ hl7:patientRole		1 ... 1	R		CDA-CH V2
└ hl7:id	II	1 ... *	R	The patient'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		The id itself. It MUST be unique within the issuing system.	
└ hl7:addr	AD	0 ... *		The patient's address. Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA-CH V2
└ hl7:telecom	TEL	0 ... *		The patient's means of communication (phone, eMail, ...).	CDA-CH V2
└ hl7:patient		1 ... 1	R	Contains 2.16.756.5.30.1.1.10.9.34 <i>Person Name Information Compilation - eCH-0011</i> (DYNAMIC)	CDA-CH V2
where [hl7:administrativeGenderCode [concat(@code,@codeSystem)=doc("include/voc-2.16.756.5.30.1.127.3.10.1.25-DYNAMIC.xml")//valueSet [1]/conceptList/concept/concat(@code,@codeSystem) or @nullFlavor]]					

└─ h17:administrativeGenderCode	CE	1 ... 1	R	The patient's gender according to the Swiss EPR XDS.b metadata.	CDA-CH V2
└─ @code	cs	1 ... 1	R		
└─ @codeSystem	oid	1 ... 1	F	2.16.840.1.113883.5.1	
└─ @codeSystemName	st	1 ... 1	F	HL7 AdministrativeGender	
└─ @displayName	st	1 ... 1	R		
	CONF	The value of @code shall be drawn from value set 2.16.756.5.30.1.127.3.10.1.25 <i>EprGender</i> (DYNAMIC)			
└─ h17:birthTime	TS.CH.TZ	1 ... 1	R	The patient's birthdate.	CDA-CH V2
└─ h17:maritalStatusCode	CE	0 ... 1		The patient's marital status.	CDA-CH V2
└─ @code	cs	1 ... 1	R		
└─ @codeSystem	oid	1 ... 1	F	2.16.840.1.113883.1.11.12212	
└─ @codeSystemName	st	1 ... 1	F	HL7 MaritalStatus	
└─ @displayName	st	1 ... 1	R		
	CONF	The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.12212 <i>MaritalStatus</i> (DYNAMIC)			
└─ h17:translation		0 ... *		A translation of the code to another coding system	CDA-CH V2
└─ @code	cs	1 ... 1	R		
└─ @codeSystem	oid	1 ... 1	R		
└─ @codeSystemName	st	1 ... 1	R		

	└ @displayName	st	1 ... 1	R		
	└ h17:religiousAffiliationCode	CE	0 ... 1		The patient's religion.	CDA-CH V2
	└ @nullFlavor	CS	0 ... 1	F	NAV	
	└ @code	CS	0 ... 1			
	└ @codeSystem	oid	0 ... 1			
	└ @codeSystemName	st	0 ... 1			
	└ @displayName	st	0 ... 1			
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[@!D]: 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"/>').	
				role	error	
	Schematron assert			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	
	Schematron assert			test	(@nullFlavor='NAV' and originalText and not(@codeSystem or @codeSystemName or @code or @displayName)) or (@codeSystem and @codeSystemName and @code and @displayName)	
				Message	Either a code described by code, codeSystem, codeSystemName and displayName or originalText and nullFlavor="NAV" is REQUIRED.	
└─ hl7:guardian			0 ... *		The patient's guardian.	CDA-CH V2
└─ hl7:id	II		0 ... *		The guardian'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		The id itself. It MUST be unique within the issuing system.	
└─ hl7:code	CE		0 ... 1		The guardian's role.	CDA-CH V2
└─ @nullFlavor	cs		0 ... 1			
└─ @code	cs		0 ... 1			
└─ @codeSystem	oid		0 ... 1	F	2.16.840.1.113883.5.111	
└─ @codeSystemName	st		0 ... 1	F	HL7RoleCode	
└─ @displayName	st		0 ... 1			
	Schematron assert			role	error	

				(not(@nullFlavor) and @displayName and @code and @codeSystem and @codeSystemName) or (@nullFlavor and not(@displayName or @code or @codeSystem or @codeSystemName))	
				Message	Either nullFlavor or a valid code is required.
└ h17:addr	AD	0 ... *		The guardian's address. Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA-CH V2
└ h17:telecom	TEL	0 ... *		The guardian's means of communication (phone, eMail, ...).	CDA-CH V2
Choice		1 ... 1		Elements to choose from: <ul style="list-style-type: none"> h17:guardianPerson containing template 2.16.756.5.30.1.1.10.9.34 <i>Person Name Information Compilation - eCH-0011</i> (DYNAMIC) h17:guardianOrganization containing template 2.16.756.5.30.1.1.10.9.24 <i>Organization Compilation with name</i> (DYNAMIC) 	
└ h17:guardianPerson				The guardian's 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
└ h17:guardianOrganization				The guardian's as an organization. Contains 2.16.756.5.30.1.1.10.9.24 <i>Organization Compilation with name</i> (DYNAMIC)	CDA-CH V2
└ h17:birthplace		0 ... 1		The patient's birthplace.	CDA-CH V2
└ h17:place		1 ... 1			CDA-CH V2
└ h17:name	EN	0 ... 1		The patient's birthplace name.	CDA-CH V2
└ h17:addr	AD	1 ... 1	R	The patient's birthplace address. Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA-CH V2
└ h17:languageCommunication		0 ... *		The patient's language skills.	CDA-CH V2
└ h17:languageCode	CS	1 ... 1			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:modeCode	CE	0 ... 1			CDA-CH V2
		CONF	The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.12249 <i>LanguageAbilityMode</i> (DYNAMIC)		
└ h17:proficiencyLevelCode	CE	0 ... 1			CDA-CH V2
		CONF	The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.12199 <i>LanguageAbilityProficiency</i> (DYNAMIC)		
└ h17:preferenceInd	BL	0 ... 1		In case of @value=true it is the patient's correspondence language.	CDA-CH V2
└ h17:providerOrganization		0 ... 1		The organization who took care of the patient in the same context with the current CDA document. E.g. entry of the Medreg, FMH Index or the Health Organisation Index (HOI) of the Swiss EPR. Contains 2.16.756.5.30.1.1.10.9.30 <i>Organization Compilation with GLN and name</i> (DYNAMIC)	CDA-CH V2

7.3.2.10 Author

Dieses Template kann nicht nur im CDA Header, sondern auch im CDA Body verwendet werden. Deshalb ist es unter "7 Other_CDA_Templates" dokumentiert: "0 Author_3".

7.3.2.11 Data Enterer

Id	2.16.756.5.30.1.1.10.2.7
Status	● Active
Name	cdach_header_DataEnterer

Effective Date	2018-04-18
Version Label	2017
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)

Used by / Uses

Used by 0 transactions and 4 templates, Uses 1 template

Used by	as	Name	Version
2.16.756.5.30.1.1.10.9.36	Include	 CDA-CH v2.0 Header Template Compilation (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.12		 CDA-CH v2.0 - nonXMLBody (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.14		 CDA-CH v2.0 - structuredBody enhanced (2018)	2018-04-18
2.16.756.5.30.1.1.10.1.9		 CDA-CH v2.0 - structuredBody (2017)	2018-04-18
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)
Version: template 2.16.756.5.30.1.1.10.2.7 (2009-01-27)

Example

Example

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

7.3.2.12 CDA Informant

Dieses Template wird von CDA-CH nicht weiter spezifiziert. Der Vollständigkeit halber wird hier das Original Template von ART-DECOR abgebildet.

Id	2.16.840.1.113883.10.12.154 ref ad1bbr-	Effective Date	2005-09-07
Status	● Active	Version Label	
Name	CDAinformant	Display Name	CDA Informant
Description	Template CDA Informant (prototype, directly derived from POCD_RM000040 MIF)		
Classification	CDA Section Level Template		
Open/Closed	Open (other than defined elements are allowed)		

Used by / Uses

Used by 0 transactions and 4 templates, Uses 2 templates

Used by	as	Name	Version
2.16.756.5.30.1.1.10.9.36	Include	CDA-CH v2.0 Header Template Compilation (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.12		CDA-CH v2.0 - nonXMLBody (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.14		CDA-CH v2.0 - structuredBody enhanced (2018)	2018-04-18
2.16.756.5.30.1.1.10.1.9		CDA-CH v2.0 - structuredBody (2017)	2018-04-18
Uses	as	Name	Version
2.16.840.1.113883.10.12.153	Containment	CDA AssignedEntity	DYNAMIC
2.16.840.1.113883.10.12.316	Containment	CDA RelatedEntity	DYNAMIC

Item	DT	Card	Conf	Description	Label
hl7:informant		0 ... *			(CDA...ant)
└ @typeCode		0 ... 1	F	INF	
└ @contextControlCode		0 ... 1	F	OP	
Choice		1 ... 1		Elements to choose from: <ul style="list-style-type: none"> hl7:assignedEntity containing template 2.16.840.1.113883.10.12.153 <i>CDA AssignedEntity</i> (DYNAMIC) hl7:relatedEntity containing template 2.16.840.1.113883.10.12.316 <i>CDA RelatedEntity</i> (DYNAMIC) 	
└ hl7:assignedEntity				Contains 2.16.840.1.113883.10.12.153 <i>CDA AssignedEntity</i> (DYNAMIC)	(CDA...ant)
└ hl7:relatedEntity				Contains 2.16.840.1.113883.10.12.316 <i>CDA RelatedEntity</i> (DYNAMIC)	(CDA...ant)

7.3.2.13 Custodian

Id	2.16.756.5.30.1.1.10.2.3
Status	 Active
Name	cdach_header_Custodian








Effective Date	2018-04-18
Version Label	2017
Display Name	Custodian


Description

The organization in whose name this CDA document has been created (corresponds to the sender of a letter). 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 2.16.756.5.30.1.1.10.2.3
Label	CDA-CH V2
Classification	CDA Header Level Template
Open/Closed	Open (other than defined elements are allowed)

Used by 0 transactions and 4 templates, Uses 1 template

Used by	as	Name	Version
2.16.756.5.30.1.1.10.9.36	Include	 CDA-CH v2.0 Header Template Compilation (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.12		 CDA-CH v2.0 - nonXMLBody (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.14		 CDA-CH v2.0 - structuredBody enhanced (2018)	2018-04-18
2.16.756.5.30.1.1.10.1.9		 CDA-CH v2.0 - structuredBody (2017)	2018-04-18

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 2.16.840.1.113883.10.12.104 (2005-09-07)
---------------------	---

Example

Example

```

<custodian>
  <templateId root="2.16.756.5.30.1.1.10.2.3"/>
  <assignedCustodian>
    <representedCustodianOrganization>
      <id root="2.51.1.3" extension="7601234567890"/>
      <name>Gruppenpraxis CH</name>
      <telecom value="tel:+41.32.234.55.66" use="WP"/>
      <addr use="WP">
        <streetName>Doktorgasse</streetName>
        <houseNumber>2</houseNumber>
        <city>Musterhausen</city>
        <postalCode>8888</postalCode>
        <country>CH</country>
      </addr>
    </representedCustodianOrganization>
  </assignedCustodian>
</custodian>

```

Item	DT	Card	Conf	Description	Label
h17:custodian		1 ... 1	R	The organization in whose name this CDA document has been created (corresponds to the sender of a letter).	CDA-CH V2
└ h17:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.3	
└ h17:assignedCustodian		1 ... 1	R		CDA-CH V2
└ h17:representedCustodianOrganization		1 ... 1	R		CDA-CH V2
└ h17:id	II	1 ... *	M	The custodian'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 ... 1	R	The custodian's name.	CDA-CH V2
└ h17:telecom	TEL	0 ... *		The custodian's means of communication (phone, eMail, ...).	CDA-CH V2
└ h17:addr	AD	0 ... *		The custodian's address(es). Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA-CH V2

7.3.2.14 Recipient - informationRecipient

Id	2.16.756.5.30.1.1.10.2.4	Effective Date	2018-04-18
Status	● Active	Version Label	2017
Name	cdach_header_InformationRecipient	Display Name	Recipient - informationRecipient

Description

A recipient of this CDA document (corresponds to the addressee of a letter - person or organization). 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 2.16.756.5.30.1.1.10.2.4
Label	CDA-CH V2
Classification	CDA Header Level Template
Open/Closed	Open (other than defined elements are allowed)

Used by 0 transactions and 4 templates, Uses 3 templates

Used by / Uses	Used by	as	Name	Version
	2.16.756.5.30.1.1.10.9.36	Include	● CDA-CH v2.0 Header Template Compilation (2017)	2018-04-18

2.16.756.5.30.1.1.10.1.12		CDA-CH v2.0 - nonXMLBody (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.14		CDA-CH v2.0 - structuredBody enhanced (2018)	2018-04-18
2.16.756.5.30.1.1.10.1.9		CDA-CH v2.0 - structuredBody (2017)	2018-04-18
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
2.16.756.5.30.1.1.10.9.24	Containment	Organization Compilation with name (2017)	DYNAMIC

Relationship

Version: template 2.16.756.5.30.1.1.10.2.4 (2009-01-27)
Specialization: template 2.16.840.1.113883.10.12.105 (2005-09-07)

Example

Primary Recipient

```
<informationRecipient typeCode="PRCP">
  <templateId root="2.16.756.5.30.1.1.10.2.4"/>
  <intendedRecipient>
    <informationRecipient>
      <name>Kurhaus Blumenalp, Zentrum für orthopädische Rehabilitation, Aerztliche Leitung</name>
    </informationRecipient>
    <receivedOrganization>
      <addr use="WP">
        <postalCode>9876</postalCode>
        <city>Blumenalp</city>
        <country>CH</country>
      </addr>
    </receivedOrganization>
  </intendedRecipient>
</informationRecipient>
```

Example

Other Recipient

```
<informationRecipient typeCode="TRC">
  <templateId root="2.16.756.5.30.1.1.10.2.4"/>
  <intendedRecipient>
    <informationRecipient>
```

```

    <name>Gruppenpraxis CH, Dr. med. Allzeit Bereit, FMH Allgemeine Medizin</name>
  </informationRecipient>
  <receivedOrganization>
    <addr use="WP">
      <streetName>Doktorgasse</streetName>
      <houseNumber>2</houseNumber>
      <postalCode>8888</postalCode>
      <city>Musterhausen</city>
      <country>CH</country>
    </addr>
  </receivedOrganization>
</intendedRecipient>
</informationRecipient>

```

Item	DT	Card	Conf	Description	Label
h17:informationRecipient		1 ... *	R	<p>A recipient of this CDA document (corresponds to the addressee of a letter - person or organization).</p> <p>Recipient types:</p> <ul style="list-style-type: none"> The main recipient of the document is indicated by typeCode 'PRCP' (primary recipient). Note: Since it makes no sense to create a CDA document without doing it for someone, in Switzerland at least one recipient MUST be declared. If the document is created for the user's own needs, the user itself or its organization will be the primary recipient. Other recipients (copy to; Cc) are indicated with typeCode, TRC '(secondary recipient). 	CDA-CH V2
└ @typeCode	CS	0 ... 1		<p>The main recipient of the document is indicated by typeCode 'PRCP' (primary recipient). This is the default value used when the attribute is not present.</p> <p>Other recipients (copy to; Cc) are indicated with typeCode, TRC '(secondary recipient). Note: Since it makes no sense to create a CDA document without doing it for someone, in Switzerland at least one recipient MUST be declared. If the document is created for the user's own needs, the user itself or its organization will be the primary recipient.</p>	
			CONF	The value of @typeCode shall be drawn from value set 2.16.840.1.113883.1.11.19366 x_InformationRecipient (DYNAMIC)	

└ h17:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.4	
└ h17:intendedRecipient		1 ... 1	R		CDA-CH V2
└ h17:id	II	0 ... *	R	The recipient's identification(s).	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:addr	AD	0 ... *		The recipient's address(es). Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA-CH V2
└ h17:telecom	TEL	0 ... *		The recipient's means of communication (phone, eMail, ...).	CDA-CH V2
└ h17:informationRecipient		0 ... 1		The addressee 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:receivedOrganization		0 ... 1		The addressee organization. Contains 2.16.756.5.30.1.1.10.9.24 <i>Organization Compilation with name</i> (DYNAMIC)	CDA-CH V2

7.3.2.15 Legal Authenticator









Id	2.16.756.5.30.1.1.10.2.5
Status	● Active
Name	cdach_header_LegalAuthenticator

Effective Date	2018-04-18
Version Label	2017
Display Name	Legal Authenticator

Description

Information about the legal authenticator of a CDA document. A legal authenticator MUST be a person. 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 2.16.756.5.30.1.1.10.2.5
Label	CDA-CH V2
Classification	CDA Header Level Template
Open/Closed	Open (other than defined elements are allowed)

Used by / Uses	Used by 0 transactions and 4 templates, Uses 1 template			
	Used by	as	Name	Version
	2.16.756.5.30.1.1.10.9.36	Include	 CDA-CH v2.0 Header Template Compilation (2017)	2018-04-18
	2.16.756.5.30.1.1.10.1.12		 CDA-CH v2.0 - nonXMLBody (2017)	2018-04-18
	2.16.756.5.30.1.1.10.1.14		 CDA-CH v2.0 - structuredBody enhanced (2018)	2018-04-18
	2.16.756.5.30.1.1.10.1.9		 CDA-CH v2.0 - structuredBody (2017)	2018-04-18
	Uses	as	Name	Version
	2.16.756.5.30.1.1.10.9.12	Containment	 Assigned Entity Compilation with id (2017)	DYNAMIC

Relationship	Version: template 2.16.756.5.30.1.1.10.2.5 (2009-01-27) Specialization: template 2.16.840.1.113883.10.12.106 (2005-09-07)
---------------------	--

Example	Example
	<pre><legalAuthenticator> <templateId root="2.16.756.5.30.1.1.10.2.5"/> <time value="201711101453+0100"/> <signatureCode code="S"/> <assignedEntity> <id nullFlavor="NI"/> <assignedPerson></pre>

```

    <name>Hausarzt</name>
  </assignedPerson>
</assignedEntity>
</legalAuthenticator>

```

Example

Example

```

<legalAuthenticator>
  <templateId root="2.16.756.5.30.1.1.10.2.5"/>
  <time value="20150604"/>
  <signatureCode code="S"/>
  <assignedEntity>
    <id root="2.51.1.3" extension="7601234567890"/>
    <assignedPerson>
      <name>
        <given>Allzeit</given>
        <family>Bereit</family>
        <prefix>Dr. med.</prefix>
      </name>
    </assignedPerson>
    <representedOrganization>
      <id root="2.51.1.3" extension="7608888888888888"/>
      <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>
</legalAuthenticator>

```

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

h17:legalAuthenticator		0 ... 1		Information about the legal authenticator of a CDA document. A legal authenticator MUST be a person.	CDA-CH V2	
└ h17:templateId	II	1 ... 1	M		CDA-CH V2	
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.5		
└ h17:time	TS.CH.TZ	1 ... 1	R	Timestamp of the signature.	CDA-CH V2	
└ h17:signatureCode	CS	1 ... 1	R		CDA-CH V2	
└ @code	cs	1 ... 1	F	S		
└ @codeSystem	oid	0	NP	NP/not present		
└ @codeSystemName	st	0	NP	NP/not present		
└ @displayName	st	0	NP	NP/not present		
	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	Contains 2.16.756.5.30.1.1.10.9.12 <i>Assigned Entity Compilation with id</i> (DYNAMIC)	CDA-CH V2	

7.3.2.16 Authenticator









Id	2.16.756.5.30.1.1.10.2.6
Status	● Active
Name	cdach_header_Authenticator

Effective Date	2018-04-18
Version Label	2017
Display Name	Authenticator

Description

Information about an authenticator of a CDA document. An authenticator MUST be a person. 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 2.16.756.5.30.1.1.10.2.6
Label	CDA-CH V2
Classification	CDA Header Level Template
Open/Closed	Open (other than defined elements are allowed)

Used by / Uses	Used by 0 transactions and 4 templates, Uses 1 template			
	Used by	as	Name	Version
	2.16.756.5.30.1.1.10.9.36	Include	 CDA-CH v2.0 Header Template Compilation (2017)	2018-04-18
	2.16.756.5.30.1.1.10.1.12		 CDA-CH v2.0 - nonXMLBody (2017)	2018-04-18
	2.16.756.5.30.1.1.10.1.14		 CDA-CH v2.0 - structuredBody enhanced (2018)	2018-04-18
	2.16.756.5.30.1.1.10.1.9		 CDA-CH v2.0 - structuredBody (2017)	2018-04-18
	Uses	as	Name	Version
	2.16.756.5.30.1.1.10.9.12	Containment	 Assigned Entity Compilation with id (2017)	DYNAMIC

Relationship	Version: template 2.16.756.5.30.1.1.10.2.6 (2009-01-27) Specialization: template 2.16.840.1.113883.10.12.107 (2005-09-07)
---------------------	--

Example	Example
	<pre><authenticator> <templateId root="2.16.756.5.30.1.1.10.2.6"/> <time value="20071205"/> <signatureCode code="S"/> <assignedEntity> <id root="2.51.1.3" extension="760444444444"/> </assignedEntity> </authenticator></pre>


```

<name>
  <prefix>Dr. med.</prefix>
  <given>Freddy</given>
  <family>Fango</family>
  <suffix>Ärztlicher Leiter</suffix>
</name>
</assignedPerson>
</assignedEntity>
</authenticator>

```

Item	DT	Card	Conf	Description	Label
h17:authenticator		0 ... *		Information about an authenticator of a CDA document. An authenticator MUST be a person.	CDA-CH V2
└ h17:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.6	
└ h17:time	TS.CH.TZ	1 ... 1	R	Timestamp of the signature.	CDA-CH V2
└ h17:signatureCode	CS	1 ... 1	R		CDA-CH V2
└ @code	cs	1 ... 1	F	S	
└ @codeSystem	oid	0	NP	NP/not present	
└ @codeSystemName	st	0	NP	NP/not present	
└ @displayName	st	0	NP	NP/not present	
			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	Contains 2.16.756.5.30.1.1.10.9.12 <i>Assigned Entity Compilation with id</i> (DYNAMIC)	CDA-CH V2

7.3.2.17 Employer - participant








Id	2.16.756.5.30.1.1.10.2.40	Effective Date	2018-04-18
Status	 Active	Version Label	2017
Name	cdach_header_Employer	Display Name	Employer - participant



Description

Information on the patient's employer, school or other affiliated (e.g., volunteer) organization. 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 2.16.756.5.30.1.1.10.2.40
Label	CDA-CH V2
Classification	CDA Header Level Template
Open/Closed	Open (other than defined elements are allowed)

Used by 0 transactions and 4 templates, Uses 2 templates

Used by	as	Name	Version
2.16.756.5.30.1.1.10.9.36	Include	 CDA-CH v2.0 Header Template Compilation (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.12		 CDA-CH v2.0 - nonXMLBody (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.14		 CDA-CH v2.0 - structuredBody enhanced (2018)	2018-04-18
2.16.756.5.30.1.1.10.1.9		 CDA-CH v2.0 - structuredBody (2017)	2018-04-18

Uses	as	Name	Version
2.16.756.5.30.1.1.10.9.34	Containment	 Person Name Information Compilation - eCH-0011 (2017)	DYNAMIC
2.16.756.5.30.1.1.10.9.27	Containment	 Organization Compilation with name, addr, telecom (2017)	DYNAMIC

Relationship	Version: template 2.16.756.5.30.1.1.10.2.15 (2015-12-27) Specialization: template 2.16.840.1.113883.10.12.108 (2005-09-07)
---------------------	---

Example

Example

```
<participant typeCode="IND">
  <templateId root="2.16.756.5.30.1.1.10.2.40"/>
  <templateId root="2.16.756.5.30.1.1.10.2.41"/>
  <templateId root="1.3.6.1.4.1.19376.1.5.3.1.2.2"/>
  <time>
    <low nullFlavor="UNK"/>
    <high nullFlavor="UNK"/>
  </time>
  <associatedEntity classCode="CON">
    <id root="2.999" extension="empnr"/>
    <code code="EMPLOYER" codeSystem="1.3.5.1.4.1.19376.1.5.3.3" codeSystemName="IHERoleCode"/>
    <associatedPerson>
      <name nullFlavor="UNK"/>
    </associatedPerson>
    <scopingOrganization>
      <name>Soutien de famille Sarl</name>
      <telecom nullFlavor="UNK"/>
      <addr use="WP">
        <streetAddressLine>bureau de la paie</streetAddressLine>
        <streetAddressLine>case postale</streetAddressLine>
        <postalCode>1000</postalCode>
        <city>Lausanne</city>
        <country>CH</country>
      </addr>
    </scopingOrganization>
  </associatedEntity>
</participant>
```



Item	DT	Card	Conf	Description	Label
h17:participant		0 ... *		Information on the patient's employer, school or other affiliated (e.g., volunteer) organization.	CDA-CH V2
└ @typeCode	CS	1 ... 1	F	IND	
└ h17:templateId	II	1 ... 1	M	CDA-CH v2.0 ART-DECOR model of Employer.	CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.40	
└ h17:templateId		1 ... *	M	CH-PCC ART-DECOR model of IHE PCC Employer and School Contacts.	CDA-CH V2



└ @root	cs	1 ... 1	F	2.16.756.5.30.1.1.10.2.41	
└ h17:templateId	II	1 ... 1	M	IHE PCC Employer and School Contacts.	CDA-CH V2
└ @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.5.3.1.2.2	
└ h17:time	IVL_TS.CH.TZ	0 ... 1		Validity period of contract.	CDA-CH V2
└ h17:low	TS.CH.TZ	1 ... 1	R	Start of the contract.	CDA-CH V2
└ h17:high	TS.CH.TZ	1 ... 1	R	End of the contract.	CDA-CH V2
└ h17:associatedEntity		1 ... 1	R		CDA-CH V2
└ @classCode	cs	1 ... 1	F	CON	
└ h17:id	II	0 ... 1	R	The id of the contract ([ge]: Mitarbeiternummer; [fr]: Numéro d'employé).	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		The id itself. It MUST be unique within the issuing system.	
└ h17:code	CE	1 ... 1	R		CDA-CH V2
└ @code	cs	1 ... 1	R		
└ @codeSystem	oid	1 ... 1	F	1.3.6.1.4.1.19376.1.5.3.3	
└ @codeSystemName	st	1 ... 1	F	IHERoleCode	
└ @displayName	st	0	NP	NP/not present	



	CONF	The value of @code shall be drawn from value set 2.16.756.5.30.1.1.11.77 <i>IHERoleCode Employer and School Contacts</i> (DYNAMIC)		
↳ h17:associatedPerson		0 ... 1	Contact person at the employer, school or other affiliated (e.g., volunteer) organization. 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 employer, school or other affiliated (e.g., volunteer) organization. Contains 2.16.756.5.30.1.1.10.9.27 <i>Organization Compilation with name, addr, telecom</i> (DYNAMIC)	CDA-CH V2

7.3.2.18 Insurance - participant

Id	2.16.756.5.30.1.1.10.2.15	Effective Date	2018-04-18
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)		
Used by / Uses	Used by 0 transactions and 4 templates, Uses 2 templates		
	Used by	as	Name
	2.16.756.5.30.1.1.10.9.36	Include	● CDA-CH v2.0 Header Template Compilation (2017)
2.16.756.5.30.1.1.10.1.12	🔗	● CDA-CH v2.0 - nonXMLBody (2017)	
		Version	2018-04-18

2.16.756.5.30.1.1.10.1.14   CDA-CH v2.0 - structuredBody enhanced (2018) 2018-04-18

2.16.756.5.30.1.1.10.1.9   CDA-CH v2.0 - structuredBody (2017) 2018-04-18

Uses	as	Name	Version
2.16.756.5.30.1.1.10.9.34	Containment	 Person Name Information Compilation - eCH-0011 (2017)	DYNAMIC
2.16.756.5.30.1.1.10.9.26	Containment	 Organization Compilation with GLN, name, addr and telecom (2017)	DYNAMIC

Relationship

Version: template 2.16.756.5.30.1.1.10.2.15 (2015-12-27)

Specialization: template 2.16.840.1.113883.10.12.108 (2005-09-07)

Example

Example

```
<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">
    <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	
└ h17:time	IVL_TS.CH.TZ	0 ... 1		Validity period of the contract.	CDA-CH V2
└└ h17:low	TS.CH.TZ	1 ... 1	R	Start of the contract.	CDA-CH V2
└└ h17:high	TS.CH.TZ	1 ... 1	R	End of the contract.	CDA-CH V2
└ h17:associatedEntity		1 ... 1	R		CDA-CH V2
└└ @classCode	CS	1 ... 1	F	PAYOR	
└ h17:id	II	1 ... 1	R	The id of the contract ([ge]: Versichertennummer; [fr]: Numéro d'assuré).	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		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 (MilIA), Federal Act on Invalidity Insurance (InvIA)	
			role	error	
			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.	
└ hl7: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
└ hl7: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



7.3.2.19 Insurance Card - participant

Id	2.16.756.5.30.1.1.10.2.14	Effective Date	2018-04-18
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)		

Used by / Uses

Used by 0 transactions and 4 templates, Uses 2 templates

Used by	as	Name	Version
2.16.756.5.30.1.1.10.9.36	Include	 CDA-CH v2.0 Header Template Compilation (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.12		 CDA-CH v2.0 - nonXMLBody (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.14		 CDA-CH v2.0 - structuredBody enhanced (2018)	2018-04-18
2.16.756.5.30.1.1.10.1.9		 CDA-CH v2.0 - structuredBody (2017)	2018-04-18

Uses	as	Name	Version
2.16.756.5.30.1.1.10.9.34	Containment	 Person Name Information Compilation - eCH-0011 (2017)	DYNAMIC
2.16.756.5.30.1.1.10.9.24	Containment	 Organization Compilation with name (2017)	DYNAMIC

Relationship

Version: template 2.16.756.5.30.1.1.10.2.14 (2015-12-27)
 Specialization: template 2.16.840.1.113883.10.12.108 (2005-09-07)

Example

Example

```

<participant typeCode="HLD">
  <templateId root="2.16.756.5.30.1.1.10.2.14"/>
  <time>
    <low nullFlavor="NASK"/>
    <!-- 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
└ @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	
└ 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.	
└ h17: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
└ h17: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

7.3.2.20 Patient Contact - participant

Id	2.16.756.5.30.1.1.10.2.43	Effective Date	2018-04-18
Status	● Active	Version Label	2017
Name	cdach_header_PatientContact	Display Name	Patient Contact - participant
Description	Information on a patient contact. 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 2.16.756.5.30.1.1.10.2.43		
Label	CDA-CH V2		
Classification	CDA Header Level Template		
Open/Closed	Open (other than defined elements are allowed)		
Used by / Uses	Used by 0 transactions and 4 templates, Uses 3 templates		
	Used by	as	Name
	2.16.756.5.30.1.1.10.9.36	Include	● CDA-CH v2.0 Header Template Compilation (2017)
	2.16.756.5.30.1.1.10.1.12	🔗	● CDA-CH v2.0 - nonXMLBody (2017)
	2.16.756.5.30.1.1.10.1.14	🔗	● CDA-CH v2.0 - structuredBody enhanced (2018)
	2.16.756.5.30.1.1.10.1.9	🔗	● CDA-CH v2.0 - structuredBody (2017)
	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)	
2.16.756.5.30.1.1.10.9.24	Containment	● Organization Compilation with name (2017)	
Relationship	Specialization: template 1.3.6.1.4.1.19376.1.5.3.1.2.4 (2017-03-21 14:48:53) Specialization: template 2.16.840.1.113883.10.12.108 (2005-09-07)		
Example	Daughter		

```

<participant typeCode="IND">
  <templateId root="2.16.756.5.30.1.1.10.2.43"/>
  <templateId root="1.3.6.1.4.1.19376.1.5.3.1.2.4"/>
  <associatedEntity classCode="PRS">
    <code code="DAUC" codeSystem="2.16.840.1.113883.5.111" codeSystemName="HL7RoleCode" displayName="daughter"/>
    <addr use="HP">
      <postalCode>6780</postalCode>
      <city>Airolo</city>
      <country>CH</country>
    </addr>
    <telecom use="HP" value="tel:+41.32.999.99.99"/>
  </associatedEntity>
  <associatedPerson>
    <name>
      <family>FILLE</family>
      <given>Josephine</given>
    </name>
  </associatedPerson>
</participant>

```

Caregiver

```

<participant typeCode="IND">
  <templateId root="2.16.756.5.30.1.1.10.2.43"/>
  <templateId root="1.3.6.1.4.1.19376.1.5.3.1.2.4"/>
  <associatedEntity classCode="CAREGIVER">
    <id root="2.51.1.3" extension="7608888888888888"/>
    <code code="HPOWATT" codeSystem="2.16.840.1.113883.5.111" codeSystemName="HL7RoleCode" displayName="healthcare power of attorney"/>
  </associatedEntity>
  <associatedPerson>
    <name>
      <prefix>Dr. med.</prefix>
      <given>Théodore</given>
      <family>Guéri</family>
    </name>
  </associatedPerson>
  <scopingOrganization>
    <name>Cabinet Médical CH</name>
    <telecom use="PUB" value="tel:+41.32.234.22.33"/>
    <telecom use="PUB" value="fax:+41.32.234.22.44"/>
    <telecom use="PUB" value="mailto:info@ems-guerison-ville.ch"/>
    <telecom use="PUB" value="http:www.ems-guerison-ville.ch"/>
    <addr use="WP">
      <streetName>Rue de l'hôpital</streetName>
      <houseNumber>2</houseNumber>
      <postalCode>8888</postalCode>
      <city>Guérison-ville</city>
    </addr>
  </scopingOrganization>
</participant>

```

Example

```

    <country>CH</country>
  </addr>
</scopingOrganization>
</associatedEntity>
</participant>

```

Item	DT	Card	Conf	Description	Label
h17:participant		0 ... *		Information on a patient contact.	CDA-CH V2
└ @typeCode	CS	1 ... 1	F	IND	
└ h17:templateId	II	1 ... 1	M		CDA-CH V2
└└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.43	
└ h17:templateId	II	1 ... 1	M		CDA-CH V2
└└ @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.5.3.1.2.4	
└ h17:time	IVL_TS.CH.TZ	0 ... 1		Validity period of the participation.	CDA-CH V2
└└ h17:low	TS.CH.TZ	1 ... 1	R	Start of participation.	CDA-CH V2
└└ h17:high	TS.CH.TZ	1 ... 1	R	End of participation.	CDA-CH V2
└ h17:associatedEntity		1 ... 1	R	Either the contact person or the contact's organization SHALL be present.	CDA-CH V2
└└ @classCode	CS	1 ... 1	R	The classCode attribute SHALL be present, and contains a value from the following set: AGNT: agents of the patient CAREGIVER: care givers ECON: emergency contacts NOK: next of kin PRS: other relations	

└─ h17:code	CE	1 ... 1	R	The contact's role.	CDA-CH V2
└─ @nullFlavor	cs	0 ... 1			
└─ @code	cs	0 ... 1			
└─ @codeSystem	oid	0 ... 1	F	2.16.840.1.113883.5.111	
└─ @codeSystemName	st	0 ... 1	F	HL7RoleCode	
└─ @displayName	st	0 ... 1			
	Schematron assert	role	● error	(not(@nullFlavor) and @displayName and @code and @codeSystem and @codeSystemName) or (@nullFlavor and not(@displayName or @code or @codeSystem or @codeSystemName))	
		test		Message Either nullFlavor or a valid code is required.	
└─ h17:addr	AD	0 ... *		The contact's address. Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA-CH V2
└─ h17:telecom	TEL	0 ... *		The contact's means of communication (phone, eMail, ...).	CDA-CH V2
└─ h17:associatedPerson		0 ... 1	C	The contact 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:scopingOrganization		0 ... 1	C	The contact's organization. Contains 2.16.756.5.30.1.1.10.9.24 <i>Organization Compilation with name</i> (DYNAMIC)	CDA-CH V2
	Schematron assert	role	● error	@classCode=('AGNT','CAREGIVER','ECON','NOK','PRS')	
		test		The classCode attribute shall be present, and contains a value from the set AGNT, CAREGIVER, ECON, NOK, or PRS to identify contacts that are agents of the patient, care givers, emergency contacts, next of kin, or other relations respectively.	
		Message			

7.3.2.21 Order Reference - inFulfillmentOf





Id	2.16.756.5.30.1.1.10.2.16	Effective Date	2018-04-18
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)

Used by 0 transactions and 4 templates, Uses 0 templates

Used by	as	Name	Version
2.16.756.5.30.1.1.10.9.36	Include 	CDA-CH v2.0 Header Template Compilation (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.12		CDA-CH v2.0 - nonXMLBody (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.14		CDA-CH v2.0 - structuredBody enhanced (2018)	2018-04-18
2.16.756.5.30.1.1.10.1.9		CDA-CH v2.0 - structuredBody (2017)	2018-04-18

Relationship	Specialization: template 2.16.840.1.113883.10.12.109 (2005-09-07) Version: template 2.16.756.5.30.1.1.10.2.16 (2016-05-18)
---------------------	---

Example

Order reference on a CDA-CH V2 (2017) document

```
<inFulfillmentOf>
```

```

<templateId root="2.16.756.5.30.1.1.10.2.16"/>
<order>
  <id root="9F44AE66-D70B-46DA-89AD-82A51C7A11C6"/>
</order>
</inFulfillmentOf>

```

Example

Order reference to an order created by an ERP system

```

<inFulfillmentOf>
  <templateId root="2.16.756.5.30.1.1.10.2.16"/>
  <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.	
└└└ @extension	st	0 ... 1		Contains the order ID itself. The ID MUST be unique within the system that issued the ID.	

7.3.2.22 Health Service - documentationOf

Id	2.16.756.5.30.1.1.10.2.46	Effective Date	2018-04-18
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)		
Used by / Uses	Used by 0 transactions and 4 templates, Uses 1 template		
	Used by	as	Name
	2.16.756.5.30.1.1.10.9.36	Include ●	CDA-CH v2.0 Header Template Compilation (2017)
	2.16.756.5.30.1.1.10.1.12	●	CDA-CH v2.0 - nonXMLBody (2017)
	2.16.756.5.30.1.1.10.1.14	●	CDA-CH v2.0 - structuredBody enhanced (2018)
	2.16.756.5.30.1.1.10.1.9	●	CDA-CH v2.0 - structuredBody (2017)
Uses	as	Name	
2.16.756.5.30.1.1.10.9.31	Include ●	Performer (2017)	
Relationship	Specialization: template 2.16.840.1.113883.10.12.110 (2005-09-07)		
Example	<p>Case identification and duration</p> <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></pre>		

```

<low value="20171001"/>
<high value="20171001"/>
</effectiveTime>
</serviceEvent>
</documentationOf>

```

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	
└ h17:serviceEvent		1 ... 1	R		CDA-CH V2
└ @classCode	CS	1 ... 1	F	ACT	
└ @moodCode	CS	1 ... 1	F	EVN	
└ h17:id	II	0 ... *		Health service identifiers such as case number ([ge]: Fallnummer; [fr]: Numéro de cas), consultation id, episode id, etc.	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		The id itself. It MUST be unique within the issuing system.	
└ h17: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
└ @nullFlavor	st	1 ... 1	F	NAV	

└ @code	cs	0	NP	NP/not present	
└ @codeSystem	oid	0	NP	NP/not present	
└ @codeSystemName	st	0	NP	NP/not present	
└ @displayName	st	0	NP	NP/not present	
└ h17:translation		0 ... *		A translation of the code to another coding system.	CDA-CH V2
└ @code	cs	1 ... 1	R		
└ @codeSystem	oid	1 ... 1	R		
└ @codeSystemName	st	1 ... 1	R		
└ @displayName	st	1 ... 1	R		
└ h17:effectiveTime	IVL_TS.CH.TZ	1 ... 1	R	Duration of the health service.	CDA-CH V2
└ h17:low	TS.CH.TZ	1 ... 1	R	Start of the health service.	CDA-CH V2
└ h17:high	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)	
└ h17:performer		0 ... *		Information about a healthcare provider who was the primary performer of the act.	CDA-CH V2
└ @typeCode	cs	1 ... 1	F	PRF	
└ h17:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.9.31	








└ h17:templateId		1 ... 1	R		CDA-CH V2
└ @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-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	
└ @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 <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.		
└ 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	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

7.3.2.23 Document Replacement - relatedDocument

Id	2.16.756.5.30.1.1.10.2.13	Effective Date	2018-04-18 Other versions this id: ▪ CDA_CH_REPL as of 2016-05-18
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)		
Used by / Uses	Used by 0 transactions and 4 templates, Uses 0 templates		
	Used by	as	Name
			Version

	2.16.756.5.30.1.1.10.9.36	Include		CDA-CH v2.0 Header Template Compilation (2017)	2018-04-18
	2.16.756.5.30.1.1.10.1.12			CDA-CH v2.0 - nonXMLBody (2017)	2018-04-18
	2.16.756.5.30.1.1.10.1.14			CDA-CH v2.0 - structuredBody enhanced (2018)	2018-04-18
	2.16.756.5.30.1.1.10.1.9			CDA-CH v2.0 - structuredBody (2017)	2018-04-18

Relationship Version: template 2.16.756.5.30.1.1.10.2.13 (2016-05-18)
Specialization: template 2.16.840.1.113883.10.12.111 (2005-09-07)

Example


```

<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>

```


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>	CDA-CH V2

				<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. 	
└ @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	
└ h17:setId	II	1 ... 1	M	The setId of the document to be replaced MUST be declared.	CDA-CH V2
└ @extension	st	0	NP	NP/not present	
└ @root	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		
		test		(@root=/h17:ClinicalDocument/h17:id/@root) and not(@extension) and not(/h17:ClinicalDocument/h17:id/@extension)	
		Message		ClinicalDocument/setId: MUST be identical to the one of the replaced document	
└ h17:versionNumber	INT	1 ... 1	M	The version number of the document to be replaced.	CDA-CH V2








Schematron assert	role	 error
	test	@value > /hl7:ClinicalDocument/hl7:versionNumber/@value
	Message	ClinicalDocument/versionNumber: MUST be higher than the one of the replaced document

7.3.2.24 CDA Authorization

Dieses Template wird von CDA-CH nicht weiter spezifiziert. Der Vollständigkeit halber wird hier das Original Template von ART-DECOR abgebildet.

Id	2.16.840.1.113883.10.12.114 ref ad1bbr-	Effective Date	2005-09-07
Status	 Active	Version Label	
Name	CDAauthorization	Display Name	CDA Authorization
Description	Template CDA Authorization (prototype, directly derived from POCD_RM000040 MIF)		
Classification	CDA Header Level Template		
Open/Closed	Open (other than defined elements are allowed)		

Used by 0 transactions and 4 templates, Uses 0 templates

Used by / Uses	Used by	as	Name	Version
	2.16.756.5.30.1.1.10.9.36	Include	 CDA-CH v2.0 Header Template Compilation (2017)	2018-04-18
	2.16.756.5.30.1.1.10.1.12		 CDA-CH v2.0 - nonXMLBody (2017)	2018-04-18
	2.16.756.5.30.1.1.10.1.14		 CDA-CH v2.0 - structuredBody enhanced (2018)	2018-04-18
	2.16.756.5.30.1.1.10.1.9		 CDA-CH v2.0 - structuredBody (2017)	2018-04-18

Item	DT	Card	Conf	Description	Label
h17:authorization		0 ... *			(CDA...ion)
└ @typeCode		0 ... 1	F	AUTH	
└ h17:consent		1 ... 1			(CDA...ion)
└ @classCode		0 ... 1	F	CONS	
└ @moodCode		0 ... 1	F	EVN	
└ h17:id	II	0 ... *			(CDA...ion)
└ h17:code	CE	0 ... 1			(CDA...ion)
└ @codeSystem	CONF	0 ... 1	F	2.16.840.1.113883.5.4 (Act Code)	
└ h17:statusCode	CS	1 ... 1	R		(CDA...ion)
└ @code	CONF	0 ... 1	F	completed	

7.3.2.25 CDA componentOf

Dieses Template wird von CDA-CH nicht weiter spezifiziert. Der Vollständigkeit halber wird hier das Original Template von ART-DECOR abgebildet.

Id	2.16.840.1.113883.10.12.113 ref ad1bbr-	Effective Date	2005-09-07
Status	● Active	Version Label	
Name	CDAcomponentOf	Display Name	CDA componentOf
Description	Template CDA componentOf (prototype, directly derived from POCD_RM000040 MIF)		
Classification	CDA Header Level Template		
Open/Closed	Open (other than defined elements are allowed)		

Used by / Uses

Used by 0 transactions and 4 templates, Uses 3 templates

Used by	as	Name	Version
2.16.756.5.30.1.1.10.9.36	Include	CDA-CH v2.0 Header Template Compilation (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.12		CDA-CH v2.0 - nonXMLBody (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.14		CDA-CH v2.0 - structuredBody enhanced (2018)	2018-04-18
2.16.756.5.30.1.1.10.1.9		CDA-CH v2.0 - structuredBody (2017)	2018-04-18

Uses	as	Name	Version
2.16.840.1.113883.10.12.153	Containment	CDA AssignedEntity	DYNAMIC
2.16.840.1.113883.10.12.317	Containment	CDA Place	DYNAMIC
2.16.840.1.113883.10.12.151	Containment	CDA Organization	DYNAMIC

Item	DT	Card	Conf	Description	Label
h17:componentOf		0 ... 1			(CDA...tOf)
└ @typeCode		0 ... 1	F	COMP	
└ h17:encompassingEncounter		1 ... 1			(CDA...tOf)
└ @classCode		0 ... 1	F	ENC	
└ @moodCode		0 ... 1	F	EVN	
└ h17:id	II	0 ... *			(CDA...tOf)
└ h17:code	CE	0 ... 1			(CDA...tOf)
			CONF	The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.13955 ActEncounterCode (DYNAMIC)	

└ h17:effectiveTime	IVL_TS	1 ... 1 R		(CDA...tOf)
└ h17:dischargeDispositionCode	CE	0 ... 1		(CDA...tOf)
	CONF	shall be drawn from concept domain "EncounterDischargeDisposition"		
└ h17:responsibleParty		0 ... 1	Contains 2.16.840.1.113883.10.12.153 CDA AssignedEntity (DYNAMIC)	(CDA...tOf)
└ @typeCode		0 ... 1 F	RESP	
└ h17:encounterParticipant		0 ... *		(CDA...tOf)
└ @typeCode	cs	1 ... 1 R		
	CONF	The value of @typeCode shall be drawn from value set 2.16.840.1.113883.1.11.19600 x_EncounterParticipant (DYNAMIC)		
└ h17:time	IVL_TS	0 ... 1		(CDA...tOf)
└ h17:assignedEntity		1 ... 1	Contains 2.16.840.1.113883.10.12.153 CDA AssignedEntity (DYNAMIC)	(CDA...tOf)
└ h17:location		0 ... 1		(CDA...tOf)
└ @typeCode		0 ... 1 F	LOC	
└ h17:healthCareFacility		1 ... 1		(CDA...tOf)
└ @classCode		0 ... 1 F	SDLOC	
└ h17:id	II	0 ... *		(CDA...tOf)
└ h17:code	CE	0 ... 1		(CDA...tOf)
	CONF	The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.17660 ServiceDeliveryLocation-RoleType (DYNAMIC)		

↳ h17:location		0 ... 1	Contains 2.16.840.1.113883.10.12.317 CDA Place (DYNAMIC)	(CDA...tOf)
↳ h17:serviceProviderOrganization		0 ... 1	Contains 2.16.840.1.113883.10.12.151 CDA Organization (DYNAMIC)	(CDA...tOf)

7.3.3 CDA Section Level Templates

CDA-CH v2.0 macht gemäss "2 Abgrenzungen" normative Vorgaben zum CDA Header aber nicht zum CDA Body. Aus diesem Grund werden hier keine CDA Section Level Templates abgebildet.

7.3.4 CDA Entry Level Templates

CDA-CH v2.0 macht gemäss "2 Abgrenzungen" normative Vorgaben zum CDA Header aber nicht zum CDA Body. Aus diesem Grund werden hier keine CDA Entry Level Templates abgebildet. Die Wiederverwendung von gemeinsam nutzbaren Informationen im CDA Body ist allerdings dringend empfohlen und deshalb sind in ART-DECOR (<https://art-decor.org/art-decor/decor-templates--hl7hcda->) für wiederverwendbare CDA Entries einige Templates erfasst. Diese können in Austauschformaten referenziert oder spezialisiert werden. Bei Redaktionsschluss von CDA-CH v2.0 sind folgende CDA Entry Level Templates vorhanden (später können weitere hinzukommen):


1. Inability To Work Observation (<https://art-decor.org/art-decor/decor-templates--hl7hcda-?section=templates&id=2.16.756.5.30.1.1.10.4.70>)
2. Vital Signs Organizer (<https://art-decor.org/art-decor/decor-templates--hl7hcda-?section=templates&id=2.16.756.5.30.1.1.10.4.20>)

In jedem Fall ist es Sache der von CDA-CH v2.0 ableitenden Austauschformate, den Inhalt der CDA Entries zu spezifizieren.

7.3.5 Other CDA Templates

Die nachfolgenden CDA Header Level Templates werden in alphabetischer Reihenfolge aufgelistet.

7.3.5.1 Address Information Compilation - eCH-0010

Id	2.16.756.5.30.1.1.10.9.35	Effective Date	2018-04-18
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 reference 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)

Used by 0 transactions and 33 templates, Uses 0 templates

Used by / Uses

Used by	as	Name	Version
2.16.756.5.30.1.1.10.2.1	Containment	 Patient - recordTarget (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.36		 CDA-CH v2.0 Header Template Compilation (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.12		 CDA-CH v2.0 - nonXMLBody (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.14		 CDA-CH v2.0 - structuredBody enhanced (2018)	2018-04-18
2.16.756.5.30.1.1.10.1.9		 CDA-CH v2.0 - structuredBody (2017)	2018-04-18
2.16.756.5.30.1.1.10.2.3	Containment	 Custodian (2017)	2018-04-18
2.16.756.5.30.1.1.10.2.4	Containment	 Recipient - informationRecipient (2017)	2018-04-18
2.16.756.5.30.1.1.10.2.43	Containment	 Patient Contact - participant (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.12	Containment	 Assigned Entity Compilation with id (2017)	2018-04-18
2.16.756.5.30.1.1.10.2.5		 Legal Authenticator (2017)	2018-04-18
2.16.756.5.30.1.1.10.2.6		 Authenticator (2017)	2018-04-18
2.16.756.5.30.1.1.10.2.7		 Data Enterer (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.16	Containment	 Author Compilation with name, addr and telecom (2017)	2018-04-18
2.16.756.5.30.1.1.10.4.2		 Annotation Comments (2017)	2016-11-11


2.16.756.5.30.1.1.10.3.2		 Remarks Section - coded (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.17	Containment	 Assigned Entity Compilation with name, addr and telecom (2017)	2018-04-18
2.16.756.5.30.1.1.10.4.7		 Laboratory Performer - performer Containment (2017)	2017-06-21
2.16.756.5.30.1.1.10.4.70		 Inability To Work Observation (2017)	2017-09-14 17:25:19
2.16.756.5.30.1.1.10.9.23	Containment	 Author (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.24	Containment	 Organization Compilation with name (2017)	2018-04-18
2.16.756.5.30.1.1.10.2.14		 Insurance Card - participant (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.48		 Author Compilation with name (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.26	Containment	 Organization Compilation with GLN, name, addr and telecom (2017)	2018-04-18
2.16.756.5.30.1.1.10.2.15		 Insurance - participant (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.50		 Assigned Entity Compilation with GLN, name, addr, telecom, person and organization (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.27	Containment	 Organization Compilation with name, addr, telecom (2017)	2018-04-18
2.16.756.5.30.1.1.10.2.40		 Employer - participant (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.30	Containment	 Organization Compilation with GLN and name (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.51		 Assigned Entity Compilation with GLN and name (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.32	Containment	 Assigned Entity Compilation with id, name, addr, telecom, person and organization (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.31		 Performer (2017)	2018-04-18
2.16.756.5.30.1.1.10.2.46		 Health Service - documentationOf (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.33	Containment	 Organization Compilation with id, name, addr and telecom (2017)	2018-04-18






Example

Swiss postal address

```
<streetAddressLine>c/o Muster Hans</streetAddressLine>
```

	<pre> <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>
Example	<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
h17:streetAddressLine	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
	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	
h17:streetAddressLine	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

	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	
h17:streetName	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.
	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	
h17:houseNumber	ADXP	0 ... 1		House number in postal addresses (including house number additives). With a maximum length of 30 characters.
	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	
h17:additionalLocator	ADXP	0 ... 1		Number of addressed apartment. This is occasionally necessary for larger buildings. With a maximum length of 30 characters.
	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	
h17:postBox	ADXP	0 ... 1	C	Number of the addressed post box in a maximum length of 8 characters.
	Schematron assert	role	 error	
		see	eCH-0010 V7.0, section 5.16	
		test	string-length(text()) < 9	
		Message	eCH-0010 restricts the content length to max. 8 characters	

hl7:state	ADXP	0 ... 1		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.	eCH-0010 V7.0 addressInformation
hl7:city	ADXP	1 ... 1	R	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.	eCH-0010 V7.0 addressInformation
hl7:postalCode	ADXP	1 ... 1	R	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.	eCH-0010 V7.0 addressInformation
hl7:country	ADXP	1 ... 1	R	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.	eCH-0010 V7.0 addressInformation
	Schematron assert	role	 error	see	eCH-0010 V7.0, section 5.24.2
		test	string-length(text()) < 3	Message	eCH-0010 restricts the content length to max. 2 characters
	Schematron assert	role	 error	see	eCH-0007
		test	not(hl7:state) or not(upper-case(hl7:country/text()='CH') or (upper-case(hl7:state/text())=('AG', 'AI', 'AR', 'BE', 'BL', 'BS', 'FL', 'FR', 'GE', 'GL', 'GR', 'JU', 'LU', 'NE', 'NW', 'OW', 'SG', 'SH', 'SO', 'SZ', 'TG', 'TI', 'UR', 'VD', 'VS', 'ZG', 'ZH'))		

Message

eCH-0007 cantonFIAbbreviationType restricts valid state values for Switzerland

7.3.5.2 Assigned Entity Compilation with GLN and name

Id	2.16.756.5.30.1.1.10.9.51	Effective Date	2018-04-18
Status	● Active	Version Label	2017
Name	cdach_other_AssignedEntityCompilationGlnName	Display Name	Assigned Entity Compilation with GLN and name

Description

Reusable template wherever an assigned entity with a required GLN 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)

Used by 0 transactions and 0 templates, Uses 4 templates

Used by / Uses

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
2.16.756.5.30.1.1.10.9.30	Containment	● Organization Compilation with GLN and name (2017)	DYNAMIC

Relationship	Specialization: template 2.16.756.5.30.1.1.10.9.12 (2017-09-12 20:14:25) Version: template 2.16.756.5.30.1.1.10.9.12 (2015-12-18) Specialization: template 2.16.840.1.113883.10.12.153 (2005-09-07)
---------------------	---

Example	<div style="background-color: #ffffcc; padding: 5px;">Example</div> <pre> <id root="2.51.1.3" extension="7608888888888888"/> <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> <name> <given>Allzeit</given> <family>Bereit</family> <prefix>Dr. med.</prefix> </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> </pre>
----------------	---

Item	DT	Card	Conf	Description	Label

h17:id	II	1 ... 1	R	The assigned entity's GLN (including the assigned person's GLN).	CDA-CH V2
└ @root	uid	1 ... 1	F	2.51.1.3	
└ @extension	st	1 ... 1	R	The GLN itself.	
h17:id	II	0 ... *	R	Other assigned entity's id (including the assigned person'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		The id itself. It MUST be unique within the issuing system.	
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	
└ @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
<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>

```

Schematron assert	role	error
	test	not(@code='133932002') or (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 <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::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.	CDA-CH V2
└ @code	cs	1 ... 1	R		
└ @codeSystem	oid	1 ... 1	R		
└ @codeSystemName	st	1 ... 1	R		
└ @displayName	st	1 ... 1	R		
h17:addr	AD	0 ... *		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
h17:telecom	TEL	0 ... *		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 2.16.756.5.30.1.1.10.9.30 <i>Organization Compilation with GLN and name</i> (DYNAMIC)	CDA-CH V2

7.3.5.3 Assigned Entity Compilation with GLN, name, addr, telecom, person and organization

Id	2.16.756.5.30.1.1.10.9.50	Effective Date	2018-04-18
Status	 Active	Version Label	2017
Name	cdach_other_AssignedEntityCompilationGlnNameAddrTelecomPersonOrganization	Display Name	Assigned Entity Compilation with GLN, name, addr, telecom, person and organization

Description

Reusable template wherever an assigned entity with required GLN, name, addr, telecom, person and organization (also with GLN) are 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)		
Used by / Uses	Used by 0 transactions and 0 templates, Uses 4 templates		
	Uses	as	Name
	2.16.756.5.30.1.1.10.9.49	Include	Original Text Reference (2017)
	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)
2.16.756.5.30.1.1.10.9.26	Containment	Organization Compilation with GLN, name, addr and telecom (2017)	
Relationship	Specialization: template 2.16.756.5.30.1.1.10.9.32 (2017-10-24 18:48:02) Version: template 2.16.756.5.30.1.1.10.9.12 (2015-12-18) Specialization: template 2.16.756.5.30.1.1.10.9.12 (2017-09-12 20:14:25)		
Example	<p>Example</p> <pre><id root="2.51.1.3" extension="76088888888888888888"/> <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"/></pre>		


```

<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>
    <given>Allzeit</given>
    <family>Bereit</family>
    <prefix>Dr. med.</prefix>
  </name>
</assignedPerson>
<representedOrganization>
  <id root="2.51.1.3" extension="76099999999999"/>
  <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
hl7:id	II	1 ... 1	R	The assigned entity's GLN (including the assigned person's GLN).	CDA-CH V2
└ @root	uid	1 ... 1	F	2.51.1.3	
└ @extension	st	1 ... 1	R	The GLN itself.	
hl7:id	II	0 ... *	R	Other assigned entity's id (including the assigned person'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: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	
└ @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 (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 <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.	
└ h17:translation		0 ... *		A translation of the code to another coding system.	CDA-CH V2
└ @code	cs	1 ... 1	R		
└ @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
h17:telecom	TEL	1 ... *	R	The assigned entity's means of communication (phone, eMail, ...).	CDA-CH V2
h17:assignedPerson		1 ... 1	R	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		1 ... 1	R	The assigned organization. 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

7.3.5.4 Assigned Entity Compilation with id

Id	2.16.756.5.30.1.1.10.9.12	Effective Date	2018-04-18
Status	 Active	Version Label	2017
Name	cdach_other_AssignedEntityCompilationId	Display Name	Assigned Entity Compilation with id

Description

Reusable template wherever an assigned entity with a required id 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)

Used by / Uses

Used by 0 transactions and 7 templates, Uses 4 templates

Used by	as	Name	Version
2.16.756.5.30.1.1.10.2.5	Containment	Legal Authenticator (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.36		CDA-CH v2.0 Header Template Compilation (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.12		CDA-CH v2.0 - nonXMLBody (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.14		CDA-CH v2.0 - structuredBody enhanced (2018)	2018-04-18
2.16.756.5.30.1.1.10.1.9		CDA-CH v2.0 - structuredBody (2017)	2018-04-18
2.16.756.5.30.1.1.10.2.6	Containment	Authenticator (2017)	2018-04-18
2.16.756.5.30.1.1.10.2.7	Containment	Data Enterer (2017)	2018-04-18

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
2.16.756.5.30.1.1.10.9.24	Containment	Organization Compilation with name (2017)	DYNAMIC

Relationship

Version: template 2.16.756.5.30.1.1.10.9.12 (2015-12-18)
 Specialization: template 2.16.840.1.113883.10.12.153 (2005-09-07)

Example

Example

```
<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>
  <name>
    <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:id	II	1 ... *	R	The assigned entity's id (including the assigned person'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: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
└ @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 (originalText/text())		
	Message	Other Caregivers description MUST be declared in the originalText element. 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.		
Included		0 ... 1	C	
└ 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.

└─ hl7:translation		0 ... *		A translation of the code to another coding system.	CDA-CH V2
└─ @code	cs	1 ... 1	R		
└─ @codeSystem	oid	1 ... 1	R		
└─ @codeSystemName	st	1 ... 1	R		
└─ @displayName	st	1 ... 1	R		
hl7:addr	AD	0 ... *		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
hl7:telecom	TEL	0 ... *		The assigned entity's means of communication (phone, eMail, ...).	CDA-CH V2
hl7: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 2.16.756.5.30.1.1.10.9.24 Organization Compilation with name (DY-NAMIC)	CDA-CH V2
-----------------------------	--	---------	--	-----------

7.3.5.5 Assigned Entity Compilation with id, name, addr, telecom, person and organization






Id	2.16.756.5.30.1.1.10.9.32	Effective Date	2018-04-18
Status	 Active	Version Label	2017
Name	cdach_other_AssignedEntityCompilationIdNameAddrTelecomPersonOrganization	Display Name	Assigned Entity Compilation with id, name, addr, telecom, person and organization











Description

Reusable template wherever an assigned entity with required id, name, addr, telecom, person and organization are 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)

Used by 0 transactions and 6 templates, Uses 4 templates

Used by / Uses	Used by	as	Name	Version
	2.16.756.5.30.1.1.10.9.31	Containment	 Performer (2017)	2018-04-18
	2.16.756.5.30.1.1.10.2.46		 Health Service - documentationOf (2017)	2018-04-18
	2.16.756.5.30.1.1.10.9.36		 CDA-CH v2.0 Header Template Compilation (2017)	2018-04-18

2.16.756.5.30.1.1.10.1.12		 CDA-CH v2.0 - nonXMLBody (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.14		 CDA-CH v2.0 - structuredBody enhanced (2018)	2018-04-18
2.16.756.5.30.1.1.10.1.9		 CDA-CH v2.0 - structuredBody (2017)	2018-04-18
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
2.16.756.5.30.1.1.10.9.33	Containment	 Organization Compilation with id, name, addr and telecom (2017)	DYNAMIC

Relationship

Version: template 2.16.756.5.30.1.1.10.9.12 (2015-12-18)
Specialization: template 2.16.756.5.30.1.1.10.9.12 (2017-09-12 20:14:25)

Example

Example

```
<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>
  <name>
    <given>Allzeit</given>
    <family>Bereit</family>
    <prefix>Dr. med.</prefix>
  </name>
</assignedPerson>
<representedOrganization>
  <id root="2.51.1.3" extension="760999999999"/>
  <name>Gruppenpraxis CH</name>
  <telecom value="tel:+41.32.234.55.66" use="WP"/>
</representedOrganization>
```


```

<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:id	II	1 ... *	R	The assigned entity's id (including the assigned person'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: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	
└ @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	
	Schematron assert	test	not(@code='133932002') or (originalText/text())	
	Schematron assert	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 <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	
	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	

				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.	
└─	hl7:translation			0 ... *		A translation of the code to another coding system. CDA-CH V2
└─	@code	cs		1 ... 1	R	
└─	@codeSystem	oid		1 ... 1	R	
└─	@codeSystemName	st		1 ... 1	R	
└─	@displayName	st		1 ... 1	R	
	hl7: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
	hl7:telecom	TEL		1 ... *	R	The assigned entity's means of communication (phone, eMail, ...). CDA-CH V2
	hl7:assignedPerson			1 ... 1	R	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
	hl7:representedOrganization			1 ... 1	R	The assigned organization. Contains 2.16.756.5.30.1.1.10.9.33 <i>Organization Compilation with id, name, addr and telecom</i> (DYNAMIC) CDA-CH V2

7.3.5.6 Author

Id 2.16.756.5.30.1.1.10.9.23

Effective Date 2018-04-18

Status	● Active
Name	cdach_other_Author

Version Label	2017
Display Name	Author

Description

Information about the author of a CDA document, section or entry. An author MAY be a person or a device. All CDA-CH V2 derivatives, i.e. Swiss exchange formats MUST use this template at least in the CDA Header by either reference or specialisation.

Context	Parent nodes of template element with id 2.16.756.5.30.1.1.10.9.23
Label	CDA-CH V2
Classification	Template type not specified
Open/Closed	Open (other than defined elements are allowed)

Used by 0 transactions and 4 templates, Uses 4 templates

Used by	as	Name	Version
2.16.756.5.30.1.1.10.9.36	Include	● CDA-CH v2.0 Header Template Compilation (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.12		● CDA-CH v2.0 - nonXMLBody (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.14		● CDA-CH v2.0 - structuredBody enhanced (2018)	2018-04-18
2.16.756.5.30.1.1.10.1.9		● CDA-CH v2.0 - structuredBody (2017)	2018-04-18
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
2.16.756.5.30.1.1.10.9.24	Containment	● Organization Compilation with name (2017)	DYNAMIC

Relationship	Specialization: template 2.16.840.1.113883.10.12.102 (2005-09-07)
---------------------	---

Example

Sample author




```

<author>
  <templateId root="2.16.756.5.30.1.1.10.9.23"/>
  <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>
      <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
h17:author		1 ... *	R	Information about the author of a CDA document, section or entry. An author MAY be a person or a device.	CDA-CH V2
└ h17:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.9.23	

<code>h17:functionCode</code>	CE	1 ... 1	R	<p>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.</p> <p>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.</p> <p>Translations to other vocabularies are allowed.</p>	CDA-CH V2
<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	
<code>@codeSystemName</code>	st	0 ... 1	F	SNOMED CT	
<code>@displayName</code>	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 <code><functionCode code="116154003" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Patient"/></code>				
Example	Nurse <code><functionCode code="106292003" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Professional nurse"/></code>				
Example	Home helper <code><functionCode nullFlavor="NAV"> <originalText>Home helper</originalText> </functionCode></code>				
Example	Laboratory technician <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				
		Schematron assert	test	(@code and @codeSystem) or (@nullFlavor='NAV')				
		Schematron assert	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)				
		Schematron assert	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				
		Schematron assert	test	not(assignedAuthoringDevice/softwareName) or (representedOrganization)				
		Schematron assert	Message	For device authors the element representedOrganization is REQUIRED.				
└ h17:id	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.		CDA-CH V2
└ @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.	
	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	
└ hl7:id	II	0 ... *			Other ids are allowed.	CDA-CH V2
└ @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.	
└ hl7:addr	AD	0 ... *			The author's address. Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA-CH V2
└ hl7:telecom	TEL	0 ... *			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 2.16.756.5.30.1.1.10.9.24 <i>Organization Compilation with name</i> (DYNAMIC)	CDA-CH V2

7.3.5.7 CDA-CH v2.0 Header Template Compilation









Id	2.16.756.5.30.1.1.10.9.36	Effective Date	2018-04-18
Status	 Active	Version Label	2017
Name	cdach_other_HeaderTemplateCompilation	Display Name	CDA-CH v2.0 Header Template Compilation














Description

CDA-CH V2 bases on HL7 CDA R2 (2005) and requires either a nonXMLBody or a StructuredBody. This circumstance is modeled in two separate templates but both MUST contain the same header templates. Therefore this template contains all header templates that are equal for all relevant document level templates. CDA-CH V2 derivatives, i.e. Swiss exchange formats MUST 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)

Used by 0 transactions and 3 templates, Uses 22 templates

Used by	as	Name	Version
2.16.756.5.30.1.1.10.1.12	Include 	CDA-CH v2.0 - nonXMLBody (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.14	Include 	CDA-CH v2.0 - structuredBody enhanced (2018)	2018-04-18
2.16.756.5.30.1.1.10.1.9	Include 	CDA-CH v2.0 - structuredBody (2017)	2018-04-18
Uses	as	Name	Version
2.16.756.5.30.1.1.10.2.23	Include 	Document Id (2017)	DYNAMIC
2.16.756.5.30.1.1.10.2.44	Include 	Document Code (2017)	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

2.16.756.5.30.1.1.10.2.1	Include	 Patient - recordTarget (2017)	DYNAMIC
2.16.756.5.30.1.1.10.9.23	Include	 Author (2017)	DYNAMIC
2.16.756.5.30.1.1.10.2.7	Include	 Data Enterer (2017)	DYNAMIC
2.16.840.1.113883.10.12.154	Include	 CDA Informant	DYNAMIC
2.16.756.5.30.1.1.10.2.3	Include	 Custodian (2017)	DYNAMIC
2.16.756.5.30.1.1.10.2.4	Include	 Recipient - informationRecipient (2017)	DYNAMIC
2.16.756.5.30.1.1.10.2.5	Include	 Legal Authenticator (2017)	DYNAMIC
2.16.756.5.30.1.1.10.2.6	Include	 Authenticator (2017)	DYNAMIC
2.16.756.5.30.1.1.10.2.40	Include	 Employer - participant (2017)	DYNAMIC
2.16.756.5.30.1.1.10.2.15	Include	 Insurance - participant (2017)	DYNAMIC
2.16.756.5.30.1.1.10.2.14	Include	 Insurance Card - participant (2017)	DYNAMIC
2.16.756.5.30.1.1.10.2.43	Include	 Patient Contact - participant (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
2.16.756.5.30.1.1.10.2.13	Include	 Document Replacement - relatedDocument (2017)	DYNAMIC
2.16.840.1.113883.10.12.114	Include	 CDA Authorization	DYNAMIC
2.16.840.1.113883.10.12.113	Include	 CDA componentOf	DYNAMIC

Example

Example

```

<!-- include template cdach_header_DocumentId[2.16.756.5.30.1.1.10.2.23] '?' (dynamic) 1..1 M -->
<!-- include template cdach_header_DocumentCode[2.16.756.5.30.1.1.10.2.44] '?' (dynamic) 1..1 M -->
<title>CDA-CH v2.0 (2017) Sample Document</title>
<effectiveTime value="201711091350+0100"/>
<!-- include template cdach_header_DocumentConfidentialityCode[2.16.756.5.30.1.1.10.2.19] '?' (dynamic) 1..1 M -->
<!-- include template cdach_header_DocumentLanguage[2.16.756.5.30.1.1.10.2.22] '?' (dynamic) 1..1 M -->

```

```

<!-- include template cdach_header_DocumentSetIdAndVersionNumber[2.16.756.5.30.1.1.10.2.20] '?' (dynamic) -->
<!-- include template cdach_header_Patient[2.16.756.5.30.1.1.10.2.1] '?' (dynamic) 1..1 R -->
<!-- include template cdach_other_Author[2.16.756.5.30.1.1.10.9.23] '?' (dynamic) 1..* M -->
<!-- include template cdach_header_DataEnterer[2.16.756.5.30.1.1.10.2.7] '?' (dynamic) 0..1 -->
<!-- include template CDAinformant[2.16.840.1.113883.10.12.154] '?' (dynamic) 0..* -->
<!-- include template cdach_header_Custodian[2.16.756.5.30.1.1.10.2.3] '?' (dynamic) 1..1 R -->
<!-- include template cdach_header_InformationRecipient[2.16.756.5.30.1.1.10.2.4] '?' (dynamic) 1..* M -->
<!-- include template cdach_header_LegalAuthenticator[2.16.756.5.30.1.1.10.2.5] '?' (dynamic) 0..1 -->
<!-- include template cdach_header_Authenticator[2.16.756.5.30.1.1.10.2.6] '?' (dynamic) 0..* -->
<!-- include template cdach_header_Employer[2.16.756.5.30.1.1.10.2.40] '?' (dynamic) 0..* -->
<!-- include template cdach_header_Insurance[2.16.756.5.30.1.1.10.2.15] '?' (dynamic) 0..* -->
<!-- include template cdach_header_InsuranceCard[2.16.756.5.30.1.1.10.2.14] '?' (dynamic) 0..* -->
<!-- include template cdach_header_PatientContact[2.16.756.5.30.1.1.10.2.43] '?' (dynamic) 0..* -->
<!-- include template cdach_header_OrderReference[2.16.756.5.30.1.1.10.2.16] '?' (dynamic) 0..* -->
<!-- include template cdach_header_HealthService[2.16.756.5.30.1.1.10.2.46] '?' (dynamic) 0..* -->
<!-- include template cdach_header_DocumentReplacement[2.16.756.5.30.1.1.10.2.13] '?' (dynamic) 0..* -->
<!-- include template CDAauthorization[2.16.840.1.113883.10.12.114] '?' (dynamic) 0..* -->
<!-- include template CDAcomponentOf[2.16.840.1.113883.10.12.113] '?' (dynamic) 0..1 -->

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Item	DT	Card	Conf	Description	Label
<i>Included</i>		1 ... 1	M	from 2.16.756.5.30.1.1.10.2.23 <i>Document Id</i> (DYNAMIC)	
h17:id	II	1 ... 1	M	A unique identifier for each CDA document instance.	CDA-CH V2
└ @root	uid	1 ... 1	R	The document's id as Globally Unique Identifier (GUID).	
└ @extension	st	0	NP	NP/not present	
<i>Included</i>		1 ... 1	M	from 2.16.756.5.30.1.1.10.2.44 <i>Document Code</i> (DYNAMIC)	
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.	CDA-CH V2
└ @code	cs	1 ... 1	R	The exact value of @code MUST be specified by the CDA-CH V2 derivative.	

└ @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 be specified by the CDA-CH V2 derivative.	
└ hl7:translation	CD	1 ... 1	R	A translation to the Swiss EPR XDS.b metadata. The exact value of @code and @displayName MUST be specified by the CDA-CH V2 derivative.	CDA-CH V2
└ @code	cs	1 ... 1	R	The exact value of @code MUST be specified by the CDA-CH V2 derivative.	
└ @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 exact value of @displayName MUST be specified by the CDA-CH V2 derivative.	
	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)	
hl7:title	ST	1 ... 1	M	The expected titles (at least in English, German, French and Italian) MUST be specified by the CDA-CH V2 derivative.	CDA-CH V2
hl7:effectiveTime	TS.CH.TZ	1 ... 1	M	The document's creation date and time. If this document replaces a previous version (linked via parentDocument), this is the date and time of the new version.	CDA-CH V2
Included		1 ... 1	M	from 2.16.756.5.30.1.1.10.2.19 <i>Document Confidentiality Code</i> (DYNAMIC)	
hl7:confidentialityCode	CE (required)	1 ... 1	M	Swiss Realm of Confidentiality Code according to the Swiss EPR regulation.	CDA-CH V2
└ @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)		
Included			1 ... 1	M	from 2.16.756.5.30.1.1.10.2.22 <i>Document Language</i> (DYNAMIC)	
hl7: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
		CONF			The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.11526 <i>HumanLanguage</i> (DYNAMIC)	
Included					from 2.16.756.5.30.1.1.10.2.20 <i>Document Set Id and Version Number</i> (DYNAMIC)	
hl7: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.			
hl7: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
Included			1 ... 1	R	from 2.16.756.5.30.1.1.10.2.1 <i>Patient - recordTarget</i> (DYNAMIC)	
hl7:recordTarget			1 ... 1	R	A human patient for whom this CDA document instance was created. <ul style="list-style-type: none"> ▪ Target patient The HL7 CDA R2 (2005) standard allows multiple patients. In order to ensure that the information in a CDA document is unambiguously assigned to one and only patient, a CDA-CH V2 based docu- 	CDA-CH V2

				<p>ment MUST contain exactly one patient. Special cases: In exceptional cases (e.g., new-born twins, both having jaundice), multiple documents MUST be created (all of the same content, but each with a unique patient).</p> <ul style="list-style-type: none"> ▪ Patient identifiers Multiple ids (patient identification number) MAY be declared. If multiple ids are known, it is highly recommended to declare all known ids. Especially in cases where the CDA document instance is kind of an answer to a preceding order (independent of its data format), all ids specified by the ordering system SHALL be declared in the CDA document instance. This allows the receiver to assign its internal patient identification. The patient identification number MUST be grouped with the OID of its assigning system. The patient identification number MUST be unique within the system identified by the OID. The declared OID MUST be found in one of the public OID registries, such as oid.refdata.ch (preferred), oid-info.com, hl7.org/oid, www.dimdi.de/static/de/klassi/oid/, gesundheit.gv.at/OID_Frontend/ etc. OIDs that can't be found in a public OID registry are NOT ALLOWED. ▪ Pseudonymizing In special cases, the demographic data of the patient are not allowed to be transmitted or they have to be pseudonymized. While HL7 CDA or its derivatives like CDA-CH or Swiss exchange formats nevertheless require these elements in the XML structure, the affected values MUST be replaced by a nullFlavor of type "MSK" (masked), in order to support the required data format structure and simultaneously to shield the real data. 	
└ h17:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.1	
└ h17:patientRole		1 ... 1	R		CDA-CH V2

└ h17:id	II	1 ... *	R	The patient'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		The id itself. It MUST be unique within the issuing system.	
└ h17:addr	AD	0 ... *		The patient's address. Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA-CH V2
└ h17:telecom	TEL	0 ... *		The patient's means of communication (phone, eMail, ...).	CDA-CH V2
└ h17:patient		1 ... 1	R	Contains 2.16.756.5.30.1.1.10.9.34 <i>Person Name Information Compilation - eCH-0011</i> (DYNAMIC)	CDA-CH V2
where [h17:administrativeGenderCode [concat(@code,@codeSystem)=doc('include/voc-2.16.756.5.30.1.127.3.10.1.25-DYNAMIC.xml')//valueSet [1]/conceptList/concept/concat(@code,@codeSystem) or @nullFlavor]]					
└ h17:administrativeGenderCode	CE	1 ... 1	R	The patient's gender according to the Swiss EPR XDS.b metadata.	CDA-CH V2
└ @code	cs	1 ... 1	R		
└ @codeSystem	oid	1 ... 1	F	2.16.840.1.113883.5.1	
└ @codeSystemName	st	1 ... 1	F	HL7 AdministrativeGender	
└ @displayName	st	1 ... 1	R		
	CONF	The value of @code shall be drawn from value set 2.16.756.5.30.1.127.3.10.1.25 <i>EprGender</i> (DYNAMIC)			
└ h17:birthTime	TS.CH.TZ	1 ... 1	R	The patient's birthdate.	CDA-CH V2
└ h17:maritalStatusCode	CE	0 ... 1		The patient's marital status.	CDA-CH V2
└ @code	cs	1 ... 1	R		

└ @codeSystem	oid	1 ... 1	F	2.16.840.1.113883.1.11.12212	
└ @codeSystemName	st	1 ... 1	F	HL7 MaritalStatus	
└ @displayName	st	1 ... 1	R		
				CONF	The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.12212 <i>MaritalStatus</i> (DYNAMIC)
└ h17:translation		0 ... *		A translation of the code to another coding system	CDA-CH V2
└ @code	cs	1 ... 1	R		
└ @codeSystem	oid	1 ... 1	R		
└ @codeSystemName	st	1 ... 1	R		
└ @displayName	st	1 ... 1	R		
└ h17:religiousAffiliationCode	CE	0 ... 1		The patient's religion.	CDA-CH V2
└ @nullFlavor	cs	0 ... 1	F	NAV	
└ @code	cs	0 ... 1			
└ @codeSystem	oid	0 ... 1			
└ @codeSystemName	st	0 ... 1			
└ @displayName	st	0 ... 1			
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::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	(@nullFlavor='NAV' and originalText and not(@codeSystem or @codeSystemName or @code or @displayName)) or (@codeSystem and @codeSystemName and @code and @displayName)	
			Message	Either a code described by code, codeSystem, codeSystemName and displayName or originalText and nullFlavor="NAV" is REQUIRED.	
└ h17:guardian		0 ... *		The patient's guardian.	CDA-CH V2
└ h17:id	II	0 ... *		The guardian'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		The id itself. It MUST be unique within the issuing system.	
└ h17:code	CE	0 ... 1		The guardian's role.	CDA-CH V2
└ @nullFlavor	cs	0 ... 1			
└ @code	cs	0 ... 1			
└ @codeSystem	oid	0 ... 1	F	2.16.840.1.113883.5.111	
└ @codeSystemName	st	0 ... 1	F	HL7RoleCode	
└ @displayName	st	0 ... 1			
	role		● error	(not(@nullFlavor) and @displayName and @code and @codeSystem and @codeSystemName) or (@nullFlavor and not(@displayName or @code or @codeSystem or @codeSystemName))	
	Schematron assert			Message Either nullFlavor or a valid code is required.	
└ h17:addr	AD	0 ... *		The guardian's address. Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA-CH V2
└ h17:telecom	TEL	0 ... *		The guardian's means of communication (phone, eMail, ...).	CDA-CH V2
Choice		1 ... 1		Elements to choose from: <ul style="list-style-type: none"> h17:guardianPerson containing template 2.16.756.5.30.1.1.10.9.34 <i>Person Name Information Compilation - eCH-0011</i> (DYNAMIC) h17:guardianOrganization containing template 2.16.756.5.30.1.1.10.9.24 <i>Organization Compilation with name</i> (DYNAMIC) 	
└ h17:guardianPerson				The guardian's 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

└ h17:guardianOrganization				The guardian's as an organization. Contains 2.16.756.5.30.1.1.10.9.24 <i>Organization Compilation with name</i> (DYNAMIC)	CDA-CH V2
└ h17:birthplace		0 ... 1		The patient's birthplace.	CDA-CH V2
└ h17:place		1 ... 1			CDA-CH V2
└ h17:name	EN	0 ... 1		The patient's birthplace name.	CDA-CH V2
└ h17:addr	AD	1 ... 1	R	The patient's birthplace address. Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA-CH V2
└ h17:languageCommunication		0 ... *		The patient's language skills.	CDA-CH V2
└ h17:languageCode	CS	1 ... 1			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:modeCode	CE	0 ... 1			CDA-CH V2
	CONF			The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.12249 <i>LanguageAbilityMode</i> (DYNAMIC)	
└ h17:proficiencyLevelCode	CE	0 ... 1			CDA-CH V2
	CONF			The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.12199 <i>LanguageAbilityProficiency</i> (DYNAMIC)	
└ h17:preferenceInd	BL	0 ... 1		In case of @value=true it is the patient's correspondence language.	CDA-CH V2
└ h17:providerOrganization		0 ... 1		The organization who took care of the patient in the same context with the current CDA document. E.g. entry of the Medreg, FMH Index or the Health Organisation Index (HOI) of the Swiss EPR.	CDA-CH V2

				Contains 2.16.756.5.30.1.1.10.9.30 <i>Organization Compilation with GLN and name</i> (DYNAMIC)		
<i>Included</i>			1 ... *	M	from 2.16.756.5.30.1.1.10.9.23 <i>Author</i> (DYNAMIC)	
h17:author			1 ... *	M	Information about the author of a CDA document, section or entry. An author MAY be a person or a device.	CDA-CH V2
└ h17:templateId	II		1 ... 1	M		CDA-CH V2
└ @root	uid		1 ... 1	F	2.16.756.5.30.1.1.10.9.23	
└ 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					

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

└ 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	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.	CDA-CH V2
└ @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.	
			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 ... *		Other ids are allowed.	CDA-CH V2
└ @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	0 ... *		The author's address. Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA-CH V2
└ h17:telecom	TEL	0 ... *		The author's means of communication (phone, eMail, ...).	CDA-CH V2
Choice		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) 	

- hl7:assignedAuthoringDevice containing template 2.16.756.5.30.1.1.10.9.21 *Device Compilation with name* (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 2.16.756.5.30.1.1.10.9.24 <i>Organization Compilation with name</i> (DYNAMIC)	CDA-CH V2
<i>Included</i>		0 ... 1		from 2.16.756.5.30.1.1.10.2.7 <i>Data Enterer</i> (DYNAMIC)	
hl7: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
└ hl7:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.7	
└ hl7:time	TS.CH.TZ	0 ... 1		Timestamp of the data input.	CDA-CH V2
└ hl7: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
<i>Included</i>		0 ... *		from 2.16.840.1.113883.10.12.154 <i>CDA Informant</i> (DYNAMIC)	
hl7:informant		0 ... *			CDA-CH V2
└ @typeCode		0 ... 1	F	INF	
└ @contextControlCode		0 ... 1	F	OP	
<i>Choice</i>		1 ... 1		Elements to choose from:	

- hl7:assignedEntity containing template 2.16.840.1.113883.10.12.153 *CDA AssignedEntity* (DYNAMIC)
- hl7:relatedEntity containing template 2.16.840.1.113883.10.12.316 *CDA RelatedEntity* (DYNAMIC)

└ hl7:assignedEntity				Contains 2.16.840.1.113883.10.12.153 <i>CDA AssignedEntity</i> (DYNAMIC)	CDA-CH V2
└ hl7:relatedEntity				Contains 2.16.840.1.113883.10.12.316 <i>CDA RelatedEntity</i> (DYNAMIC)	CDA-CH V2
<i>Included</i>		1 ... 1	R	from 2.16.756.5.30.1.1.10.2.3 <i>Custodian</i> (DYNAMIC)	
hl7:custodian		1 ... 1	R	The organization in whose name this CDA document has been created (corresponds to the sender of a letter).	CDA-CH V2
└ hl7:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.3	
└ hl7:assignedCustodian		1 ... 1	R		CDA-CH V2
└ hl7:representedCustodianOrganization		1 ... 1	R		CDA-CH V2
└ hl7:id	II	1 ... *	M	The custodian'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.	
└ hl7:name	ON	1 ... 1	R	The custodian's name.	CDA-CH V2
└ hl7:telecom	TEL	0 ... *		The custodian's means of communication (phone, eMail, ...).	CDA-CH V2
└ hl7:addr	AD	0 ... *		The custodian's address(es). Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA-CH V2

Included

1 ... *

M

from 2.16.756.5.30.1.1.10.2.4 *Recipient - informationRecipient* (DYNAMIC)

h17:informationRecipient

1 ... *

M

A recipient of this CDA document (corresponds to the addressee of a letter - person or organization).

Recipient types:

- The main recipient of the document is indicated by typeCode 'PRCP' (primary recipient).
Note: Since it makes no sense to create a CDA document without doing it for someone, in Switzerland at least one recipient **MUST** be declared. If the document is created for the user's own needs, the user itself or its organization will be the primary recipient.
- Other recipients (copy to; Cc) are indicated with typeCode, TRC '(secondary recipient).

CDA-CH V2

└ @typeCode

cs

0 ... 1

The main recipient of the document is indicated by typeCode 'PRCP' (primary recipient). This is the default value used when the attribute is not present.
Other recipients (copy to; Cc) are indicated with typeCode, TRC '(secondary recipient).
Note: Since it makes no sense to create a CDA document without doing it for someone, in Switzerland at least one recipient **MUST** be declared. If the document is created for the user's own needs, the user itself or its organization will be the primary recipient.

CONF

The value of @typeCode shall be drawn from value set 2.16.840.1.113883.1.11.19366 *x_InformationRecipient* (DYNAMIC)

└ h17:templateId

II

1 ... 1

M

CDA-CH V2

└ @root

uid

1 ... 1

F

2.16.756.5.30.1.1.10.2.4

└ h17:intendedRecipient

1 ... 1

R

CDA-CH V2

└ h17:id

II

0 ... *

R

The recipient's identification(s).

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:addr	AD	0 ... *		The recipient's address(es). Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA-CH V2
└ h17:telecom	TEL	0 ... *		The recipient's means of communication (phone, eMail, ...).	CDA-CH V2
└ h17:informationRecipient		0 ... 1		The addressee 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:receivedOrganization		0 ... 1		The addressee organization. Contains 2.16.756.5.30.1.1.10.9.24 <i>Organization Compilation with name</i> (DYNAMIC)	CDA-CH V2
Included		0 ... 1		from 2.16.756.5.30.1.1.10.2.5 <i>Legal Authenticator</i> (DYNAMIC)	
h17:legalAuthenticator		0 ... 1		Information about the legal authenticator of a CDA document. A legal authenticator MUST be a person.	CDA-CH V2
└ h17:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.5	
└ h17:time	TS.CH.TZ	1 ... 1	R	Timestamp of the signature.	CDA-CH V2
└ h17:signatureCode	CS	1 ... 1	R		CDA-CH V2
└ @code	cs	1 ... 1	F	S	
└ @codeSystem	oid	0	NP	NP/not present	
└ @codeSystemName	st	0	NP	NP/not present	
└ @displayName	st	0	NP	NP/not present	
	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	Contains 2.16.756.5.30.1.1.10.9.12 <i>Assigned Entity Compilation with id</i> (DYNAMIC)	CDA-CH V2
<i>Included</i>		0 ... *		from 2.16.756.5.30.1.1.10.2.6 <i>Authenticator</i> (DYNAMIC)	
h17:authenticator		0 ... *		Information about an authenticator of a CDA document. An authenticator MUST be a person.	CDA-CH V2
└ h17:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.6	
└ h17:time	TS.CH.TZ	1 ... 1	R	Timestamp of the signature.	CDA-CH V2
└ h17:signatureCode	CS	1 ... 1	R		CDA-CH V2
└ @code	cs	1 ... 1	F	S	
└ @codeSystem	oid	0	NP	NP/not present	
└ @codeSystemName	st	0	NP	NP/not present	
└ @displayName	st	0	NP	NP/not present	
				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	Contains 2.16.756.5.30.1.1.10.9.12 <i>Assigned Entity Compilation with id</i> (DYNAMIC)	CDA-CH V2
<i>Included</i>		0 ... *		from 2.16.756.5.30.1.1.10.2.40 <i>Employer - participant</i> (DYNAMIC)	
h17:participant		0 ... *		Information on the patient's employer, school or other affiliated (e.g., volunteer) organization.	CDA-CH V2
└ @typeCode	cs	1 ... 1	F	IND	
└ h17:templateId	II	1 ... 1	M	CDA-CH v2.0 ART-DECOR model of Employer.	CDA-CH V2

└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.40	
└ h17:templateId		1 ... *	M	CH-PCC ART-DECOR model of IHE PCC Employer and School Contacts.	CDA-CH V2
└ @root	cs	1 ... 1	F	2.16.756.5.30.1.1.10.2.41	
└ h17:templateId	II	1 ... 1	M	IHE PCC Employer and School Contacts.	CDA-CH V2
└ @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.5.3.1.2.2	
└ h17:time	IVL_TS.CH.TZ	0 ... 1		Validity period of contract.	CDA-CH V2
└ h17:low	TS.CH.TZ	1 ... 1	R	Start of the contract.	CDA-CH V2
└ h17:high	TS.CH.TZ	1 ... 1	R	End of the contract.	CDA-CH V2
└ h17:associatedEntity		1 ... 1	R		CDA-CH V2
└ @classCode	cs	1 ... 1	F	CON	
└ h17:id	II	0 ... 1	R	The id of the contract ([ge]: Mitarbeiternummer; [fr]: Numéro d'employé).	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		The id itself. It MUST be unique within the issuing system.	
└ h17:code	CE	1 ... 1	R		CDA-CH V2
└ @code	cs	1 ... 1	R		
└ @codeSystem	oid	1 ... 1	F	1.3.6.1.4.1.19376.1.5.3.3	
└ @codeSystemName	st	1 ... 1	F	IHERoleCode	

└ @displayName	st	0	NP	NP/not present	
	CONF	The value of @code shall be drawn from value set 2.16.756.5.30.1.1.11.77 <i>IHERoleCode Employer and School Contacts</i> (DYNAMIC)			
└ hl7:associatedPerson		0 ... 1		Contact person at the employer, school or other affiliated (e.g., volunteer) organization. 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		1 ... 1		The employer, school or other affiliated (e.g., volunteer) organization. Contains 2.16.756.5.30.1.1.10.9.27 <i>Organization Compilation with name, address, telecom</i> (DYNAMIC)	CDA-CH V2
Included		0 ... *		from 2.16.756.5.30.1.1.10.2.15 <i>Insurance - participant</i> (DYNAMIC)	
hl7:participant		0 ... *		Information on a patient's insurance.	CDA-CH V2
└ @typeCode	cs	1 ... 1	F	COV	
└ hl7:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.15	
└ hl7:time	IVL_TS.CH.TZ	0 ... 1		Validity period of the contract.	CDA-CH V2
└ hl7:low	TS.CH.TZ	1 ... 1	R	Start of the contract.	CDA-CH V2
└ hl7:high	TS.CH.TZ	1 ... 1	R	End of the contract.	CDA-CH V2
└ hl7:associatedEntity		1 ... 1	R		CDA-CH V2
└ @classCode	cs	1 ... 1	F	PAYOR	
└ hl7:id	II	1 ... 1	R	The id of the contract ([ge]: Versichertennummer; [fr]: Numéro d'assuré).	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		The id itself. It MUST be unique within the issuing system.	
└ hl7: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 (MIIA), 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.	
└ hl7: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
└ hl7: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
Included		0 ... *		from 2.16.756.5.30.1.1.10.2.14 <i>Insurance Card - participant</i> (DYNAMIC)	
hl7: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	
└ 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.	
└ h17: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
└ h17: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
Included		0 ... *		from 2.16.756.5.30.1.1.10.2.43 <i>Patient Contact - participant</i> (DYNAMIC)	
h17:participant		0 ... *		Information on a patient contact.	CDA-CH V2
└ @typeCode	cs	1 ... 1	F	IND	

└ h17:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.2.43	
└ h17:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	1.3.6.1.4.1.19376.1.5.3.1.2.4	
└ h17:time	IVL_TS.CH.TZ	0 ... 1		Validity period of the participation.	CDA-CH V2
└ h17:low	TS.CH.TZ	1 ... 1	R	Start of participation.	CDA-CH V2
└ h17:high	TS.CH.TZ	1 ... 1	R	End of participation.	CDA-CH V2
└ h17:associatedEntity		1 ... 1	R	Either the contact person or the contact's organization SHALL be present.	CDA-CH V2
└ @classCode	cs	1 ... 1	R	The classCode attribute SHALL be present, and contains a value from the following set: AGNT: agents of the patient CAREGIVER: care givers ECON: emergency contacts NOK: next of kin PRS: other relations	
└ h17:code	CE	1 ... 1	R	The contact's role.	CDA-CH V2
└ @nullFlavor	cs	0 ... 1			
└ @code	cs	0 ... 1			
└ @codeSystem	oid	0 ... 1	F	2.16.840.1.113883.5.111	
└ @codeSystemName	st	0 ... 1	F	HL7RoleCode	
└ @displayName	st	0 ... 1			

				role	● error	
				test	(not(@nullFlavor) and @displayName and @code and @codeSystem and @codeSystemName) or (@nullFlavor and not(@displayName or @code or @codeSystem or @codeSystemName))	
				Message	Either nullFlavor or a valid code is required.	
└ h17:addr	AD	0 ... *			The contact's address. Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA-CH V2
└ h17:telecom	TEL	0 ... *			The contact's means of communication (phone, eMail, ...).	CDA-CH V2
└ h17:associatedPerson		0 ... 1	C		The contact 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:scopingOrganization		0 ... 1	C		The contact's organization. Contains 2.16.756.5.30.1.1.10.9.24 <i>Organization Compilation with name</i> (DYNAMIC)	CDA-CH V2
				role	● error	
				test	@classCode=('AGNT','CAREGIVER','ECON','NOK','PRS')	
				Message	The classCode attribute shall be present, and contains a value from the set AGNT, CAREGIVER, ECON, NOK, or PRS to identify contacts that are agents of the patient, care givers, emergency contacts, next of kin, or other relations respectively.	
Included		0 ... *			from 2.16.756.5.30.1.1.10.2.16 <i>Order Reference - inFulfillmentOf</i> (DYNAMIC)	
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.	
└─ @extension	st	0 ... 1		Contains the order ID itself. The ID MUST be unique within the system that issued the ID.	
Included		0 ... *		from 2.16.756.5.30.1.1.10.2.46 <i>Health Service - documentationOf</i> (DYNAMIC)	
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	
└─ h17:serviceEvent		1 ... 1	R		CDA-CH V2
└─ @classCode	cs	1 ... 1	F	ACT	
└─ @moodCode	cs	1 ... 1	F	EVN	
└─ h17:id	II	0 ... *		Health service identifiers such as case number ([ge]: Fallnummer; [fr]: Numéro de cas), consultation id, episode id, etc.	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		The id itself. It MUST be unique within the issuing system.	
└─ h17: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
└─ @nullFlavor	st	1 ... 1	F	NAV	

└ @code	cs	0	NP	NP/not present	
└ @codeSystem	oid	0	NP	NP/not present	
└ @codeSystemName	st	0	NP	NP/not present	
└ @displayName	st	0	NP	NP/not present	
└ h17:translation		0 ... *		A translation of the code to another coding system.	CDA-CH V2
└ @code	cs	1 ... 1	R		
└ @codeSystem	oid	1 ... 1	R		
└ @codeSystemName	st	1 ... 1	R		
└ @displayName	st	1 ... 1	R		
└ h17:effectiveTime	IVL_TS.CH.TZ	1 ... 1	R	Duration of the health service.	CDA-CH V2
└ h17:low	TS.CH.TZ	1 ... 1	R	Start of the health service.	CDA-CH V2
└ h17:high	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)	
└ h17:performer		0 ... *		Information about a healthcare provider who was the primary performer of the act.	CDA-CH V2
└ @typeCode	cs	1 ... 1	F	PRF	
└ h17:templateId	II	1 ... 1	M		CDA-CH V2
└ @root	uid	1 ... 1	F	2.16.756.5.30.1.1.10.9.31	

└ h17:templateId		1 ... 1	R		CDA-CH V2
└ @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-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	
└ @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 <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.		
└ 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		

<code>└ @displayName</code>	st	1 ... 1	R		
<code>└ h17:time</code>	IVL_TS.CH.TZ	0 ... 1		Duration of the performance.	CDA-CH V2
<code>└ h17:low</code>	TS.CH.TZ	1 ... 1	R	Start of the performance.	CDA-CH V2
<code>└ h17:high</code>	TS.CH.TZ	1 ... 1	R	End of the performance.	CDA-CH V2
<code>└ 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
<i>Included</i>		0 ... *		from 2.16.756.5.30.1.1.10.2.13 <i>Document Replacement - relatedDocument</i> (DYNAMIC)	
<code>h17:relatedDocument</code>		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 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. 	CDA-CH V2
<code>└ @typeCode</code>	cs	1 ... 1	F	RPLC	
				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	

└ 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	
└ h17:setId	II	1 ... 1	M	The setId of the document to be replaced MUST be declared.	CDA-CH V2
└ @extension	st	0	NP	NP/not present	
└ @root	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	(@root=/hl7:ClinicalDocument/hl7:id/@root) and not(@extension) and not(/hl7:ClinicalDocument/hl7:id/@extension)	
		test			
		Message		ClinicalDocument/setId: MUST be identical to the one of the replaced document	
└ h17:versionNumber	INT	1 ... 1	M	The version number of the document to be replaced.	CDA-CH V2
	Schematron assert	role	error	@value > /hl7:ClinicalDocument/hl7:versionNumber/@value	
		test			
		Message		ClinicalDocument/versionNumber: MUST be higher than the one of the replaced document	
Included		0 ... *		from 2.16.840.1.113883.10.12.114 CDA Authorization (DYNAMIC)	
h17:authorization		0 ... *			CDA-CH V2
└ @typeCode		0 ... 1	F	AUTH	
└ h17:consent		1 ... 1			CDA-CH V2

└ @classCode		0 ... 1	F	CONS	
└ @moodCode		0 ... 1	F	EVN	
└ h17:id	II	0 ... *			CDA-CH V2
└ h17:code	CE	0 ... 1			CDA-CH V2
└ @codeSystem	CONF	0 ... 1	F	2.16.840.1.113883.5.4 (Act Code)	
└ h17:statusCode	CS	1 ... 1	R		CDA-CH V2
└ @code	CONF	0 ... 1	F	completed	
Included		0 ... 1		from 2.16.840.1.113883.10.12.113 CDA componentOf (DYNAMIC)	
h17:componentOf		0 ... 1			CDA-CH V2
└ @typeCode		0 ... 1	F	COMP	
└ h17:encompassingEncounter		1 ... 1			CDA-CH V2
└ @classCode		0 ... 1	F	ENC	
└ @moodCode		0 ... 1	F	EVN	
└ h17:id	II	0 ... *			CDA-CH V2
└ h17:code	CE	0 ... 1			CDA-CH V2
	CONF			The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.13955 ActEncounter-Code (DYNAMIC)	
└ h17:effectiveTime	IVL_TS	1 ... 1	R		CDA-CH V2

└ h17:dischargeDispositionCode	CE	0 ... 1			CDA-CH V2
	CONF	shall be drawn from concept domain "EncounterDischargeDisposition"			
└ h17:responsibleParty		0 ... 1		Contains 2.16.840.1.113883.10.12.153 CDA AssignedEntity (DYNAMIC)	CDA-CH V2
└ @typeCode		0 ... 1	F	RESP	
└ h17:encounterParticipant		0 ... *			CDA-CH V2
└ @typeCode	CS	1 ... 1	R		
	CONF	The value of @typeCode shall be drawn from value set 2.16.840.1.113883.1.11.19600 x_EncounterParticipant (DYNAMIC)			
└ h17:time	IVL_TS	0 ... 1			CDA-CH V2
└ h17:assignedEntity		1 ... 1		Contains 2.16.840.1.113883.10.12.153 CDA AssignedEntity (DYNAMIC)	CDA-CH V2
└ h17:location		0 ... 1			CDA-CH V2
└ @typeCode		0 ... 1	F	LOC	
└ h17:healthCareFacility		1 ... 1			CDA-CH V2
└ @classCode		0 ... 1	F	SDLOC	
└ h17:id	II	0 ... *			CDA-CH V2
└ h17:code	CE	0 ... 1			CDA-CH V2
	CONF	The value of @code shall be drawn from value set 2.16.840.1.113883.1.11.17660 ServiceDeliveryLocationRoleType (DYNAMIC)			

↳ h17:location		0 ... 1	Contains 2.16.840.1.113883.10.12.317 CDA Place (DYNAMIC)	CDA-CH V2
↳ h17:serviceProviderOrganization		0 ... 1	Contains 2.16.840.1.113883.10.12.151 CDA Organization (DYNAMIC)	CDA-CH V2

7.3.5.8 Device Compilation with name

Id	2.16.756.5.30.1.1.10.9.21	Effective Date	2018-04-18
Status	● Active	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)

Used by 0 transactions and 9 templates, Uses 0 templates

Used by / Uses

Used by	as	Name	Version
2.16.756.5.30.1.1.10.9.16	Containment	● Author Compilation with name, addr and telecom (2017)	2018-04-18

2.16.756.5.30.1.1.10.4.2		Annotation Comments (2017)	2016-11-11
2.16.756.5.30.1.1.10.3.2		Remarks Section - coded (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.14		CDA-CH v2.0 - structuredBody enhanced (2018)	2018-04-18
2.16.756.5.30.1.1.10.9.23	Containment	Author (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.36		CDA-CH v2.0 Header Template Compilation (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.12		CDA-CH v2.0 - nonXMLBody (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.9		CDA-CH v2.0 - structuredBody (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.48	Containment	Author Compilation with name (2017)	2018-04-18

Relationship

Version: template 2.16.756.5.30.1.1.10.9.21 (2016-07-14)
Specialization: template 2.16.840.1.113883.10.12.315 (2005-09-07)

Example

Software

```
<manufacturerModelName>4.0</manufacturerModelName>
<softwareName>New generation KIS</softwareName>
```

Example


Physical device

```
<manufacturerModelName>w872</manufacturerModelName>
<softwareName>Pipette laboratory analyzer</softwareName>
```

Item	DT	Card	Conf	Description	Label
h17:manufacturerModelName	SC	0 ... 1		The model name of the device MAY be declared.	CDA-CH V2

h17:softwareName	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
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7.3.5.9 Narrative Text Reference






Id	2.16.756.5.30.1.1.10.9.14	Effective Date	2018-04-18
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)

Used by 0 transactions and 6 templates, Uses 0 templates

Used by / Uses	Used by	as	Name	Version
	2.16.756.5.30.1.1.10.4.2	Include	 Annotation Comments (2017)	2016-11-11
	2.16.756.5.30.1.1.10.3.2		 Remarks Section - coded (2017)	2018-04-18
	2.16.756.5.30.1.1.10.1.14		 CDA-CH v2.0 - structuredBody enhanced (2018)	2018-04-18

2.16.756.5.30.1.1.10.4.21	Include		Vital Signs Observation (2016)	2016-11-11
2.16.756.5.30.1.1.10.4.20			Vital Signs Organizer Entry (2016)	2016-11-11
2.16.756.5.30.1.1.10.3.4			Vital Signs Section - coded (2017)	2016-11-11







Relationship

Version: template 2.16.756.5.30.1.1.10.9.14 (2016-03-24)

Example

Example

```
<text>
  <reference value="#nartext1"/>
</text>
```

Item	DT	Card	Conf	Description	Label																												
hl7:text	ED	1 ... 1	M		CDA-CH V2																												
└ 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																												
└ └ @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.																													
				<table border="0"> <tr> <td style="background-color: #f080f0;">Schematron assert</td> <td>role</td> <td></td> <td>error</td> </tr> <tr> <td></td> <td>test</td> <td></td> <td>starts-with(@value,'#')</td> </tr> <tr> <td></td> <td>Message</td> <td></td> <td>The @value attribute content MUST conform to the format '#xxx', where xxx is the ID of the corresponding <content/> element.</td> </tr> <tr> <td style="background-color: #4682b4;">Variable let</td> <td>Name</td> <td></td> <td>idvalue</td> </tr> <tr> <td></td> <td>Value</td> <td></td> <td>substring-after(@value,'#')</td> </tr> <tr> <td style="background-color: #f080f0;">Schematron assert</td> <td>role</td> <td></td> <td>error</td> </tr> <tr> <td></td> <td>test</td> <td></td> <td>ancestor::hl7:structuredBody/*[@ID=\$idvalue]</td> </tr> </table>	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]	
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"/>').

7.3.5.10 Organization Compilation with GLN and name






Id	2.16.756.5.30.1.1.10.9.30	Effective Date	2018-04-18
Status	 Active	Version Label	2017
Name	cdach_other_OrganizationCompilationGlnName	Display Name	Organization Compilation with GLN and name

Description

Reusable template wherever an organization with required GLN as id and 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)

Used by 0 transactions and 6 templates, Uses 1 template

Used by / Uses	Used by	as	Name	Version
	2.16.756.5.30.1.1.10.2.1	Containment	 Patient - recordTarget (2017)	2018-04-18
	2.16.756.5.30.1.1.10.9.36		 CDA-CH v2.0 Header Template Compilation (2017)	2018-04-18
	2.16.756.5.30.1.1.10.1.12		 CDA-CH v2.0 - nonXMLBody (2017)	2018-04-18

2.16.756.5.30.1.1.10.1.14		CDA-CH v2.0 - structuredBody enhanced (2018)	2018-04-18
2.16.756.5.30.1.1.10.1.9		CDA-CH v2.0 - structuredBody (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.51	Containment	Assigned Entity Compilation with GLN and name (2017)	2018-04-18
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)

Example


Example

```
<id root="2.51.1.3" extension="7601111111111111"/>
<name>Fuchsbau Medical Services AG</name>
```

Item	DT	Card	Conf	Description	Label
h17:id	II	1 ... 1	R	The organization's id (GLN).	CDA-CH V2
└ @root	uid	1 ... 1	F	2.51.1.3	
└ @extension	st	1 ... 1	R	The organization's GLN.	
h17:id	II	0 ... *		Other 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

h17:telecom	TEL	0 ... *	The organization's means of communication (phone, eMail, ...).	CDA-CH V2
h17:addr	AD	0 ... *	The organization's address. Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA-CH V2

7.3.5.11 Organization Compilation with GLN, name, addr and telecom


Id	2.16.756.5.30.1.1.10.9.26	Effective Date	2018-04-18
Status	 Active	Version Label	2017
Name	cdach_other_OrganizationCompilationGlnNameAddrTelecom	Display Name	Organization Compilation with GLN, name, addr and telecom

Description

Reusable template wherever an organization with required GLN as id, name, address and communication means 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)

Used by 0 transactions and 6 templates, Uses 1 template

Used by	as	Name	Version
2.16.756.5.30.1.1.10.2.15	Containment	 Insurance - participant (2017)	2018-04-18

2.16.756.5.30.1.1.10.9.36			CDA-CH v2.0 Header Template Compilation (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.12			CDA-CH v2.0 - nonXMLBody (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.14			CDA-CH v2.0 - structuredBody enhanced (2018)	2018-04-18
2.16.756.5.30.1.1.10.1.9			CDA-CH v2.0 - structuredBody (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.50	Containment		Assigned Entity Compilation with GLN, name, addr, telecom, person and organization (2017)	2018-04-18

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 2.16.756.5.30.1.1.10.9.33 (DYNAMIC)

Example


Example

```
<id root="2.51.1.3" extension="7601111111111111"/>
<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>
```

Item	DT	Card	Conf	Description	Label
h17:id	II	1 ... 1	R	The organization's id (GLN).	CDA-CH V2
└ @root	uid	1 ... 1	F	2.51.1.3	

L @extension	st	1 ... 1	R	The organization's GLN.	
h17:id	II	0 ... *		Other organization's id.	CDA-CH V2
L @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.	
L @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
h17:telecom	TEL	1 ... *	R	The organization's means of communication (phone, eMail, ...).	CDA-CH V2
h17: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</i> (DYNAMIC)	CDA-CH V2

7.3.5.12 Organization Compilation with id, name, addr and telecom

Id	2.16.756.5.30.1.1.10.9.33	Effective Date	2018-04-18
Status	 Active	Version Label	2017
Name	cdach_other_OrganizationCompilationIdNameAddrTelecom	Display Name	Organization Compilation with id, name, addr and telecom

Description

Reusable template wherever an organization with required id, name, address and communication means 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)

Used by / Uses

Used by 0 transactions and 7 templates, Uses 1 template

Used by	as	Name	Version
2.16.756.5.30.1.1.10.9.32	Containment	Assigned Entity Compilation with id, name, addr, telecom, person and organization (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.31		Performer (2017)	2018-04-18
2.16.756.5.30.1.1.10.2.46		Health Service - documentationOf (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.36		CDA-CH v2.0 Header Template Compilation (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.12		CDA-CH v2.0 - nonXMLBody (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.14		CDA-CH v2.0 - structuredBody enhanced (2018)	2018-04-18
2.16.756.5.30.1.1.10.1.9		CDA-CH v2.0 - structuredBody (2017)	2018-04-18
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 2.16.756.5.30.1.1.10.9.27 (DYNAMIC)

Example

```
<id root="2.999" extension="432ohjb"/>
<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>
```

Item	DT	Card	Conf	Description	Label
h17:id	II	1 ... *	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
h17:telecom	TEL	1 ... *	R	The organization's means of communication (phone, eMail, ...).	CDA-CH V2
h17: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</i> (DYNAMIC)	CDA-CH V2

7.3.5.13 Organization Compilation with name


















Id	2.16.756.5.30.1.1.10.9.24	Effective Date	2018-04-18
Status	 Active	Version Label	2017
Name	cdach_other_OrganizationCompilationWithName	Display Name	Organization Compilation with name

Description

Reusable template wherever an organization 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)

Used by 0 transactions and 14 templates, Uses 1 template

Used by	as	Name	Version
2.16.756.5.30.1.1.10.2.1	Containment	 Patient - recordTarget (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.36		 CDA-CH v2.0 Header Template Compilation (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.12		 CDA-CH v2.0 - nonXMLBody (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.14		 CDA-CH v2.0 - structuredBody enhanced (2018)	2018-04-18
2.16.756.5.30.1.1.10.1.9		 CDA-CH v2.0 - structuredBody (2017)	2018-04-18
2.16.756.5.30.1.1.10.2.14	Containment	 Insurance Card - participant (2017)	2018-04-18
2.16.756.5.30.1.1.10.2.4	Containment	 Recipient - informationRecipient (2017)	2018-04-18
2.16.756.5.30.1.1.10.2.43	Containment	 Patient Contact - participant (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.12	Containment	 Assigned Entity Compilation with id (2017)	2018-04-18
2.16.756.5.30.1.1.10.2.5		 Legal Authenticator (2017)	2018-04-18
2.16.756.5.30.1.1.10.2.6		 Authenticator (2017)	2018-04-18
2.16.756.5.30.1.1.10.2.7		 Data Enterer (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.23	Containment	 Author (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.48	Containment	 Author Compilation with name (2017)	2018-04-18
Uses	as	Name	Version
2.16.756.5.30.1.1.10.9.35	Containment	 Address Information Compilation - eCH-0010 (2017)	DYNAMIC

Used by / Uses

Relationship

Specialization: template 2.16.840.1.113883.10.12.151 (2005-09-07)

Example

Example

`<name>Fuchsbau Medical Services AG</name>`

Item	DT	Card	Conf	Description	Label
h17:id	II	0 ... *		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
h17:telecom	TEL	0 ... *		The organization's means of communication (phone, eMail, ...).	CDA-CH V2
h17:addr	AD	0 ... *		The organization's address. Contains 2.16.756.5.30.1.1.10.9.35 <i>Address Information Compilation - eCH-0010</i> (DYNAMIC)	CDA-CH V2

7.3.5.14 Organization Compilation with name, addr, telecom

Id	2.16.756.5.30.1.1.10.9.27	Effective Date	2018-04-18
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 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)

Used by 0 transactions and 11 templates, Uses 1 template

Used by / Uses

Used by	as	Name	Version
2.16.756.5.30.1.1.10.2.40	Containment	Employer - participant (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.36		CDA-CH v2.0 Header Template Compilation (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.12		CDA-CH v2.0 - nonXMLBody (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.14		CDA-CH v2.0 - structuredBody enhanced (2018)	2018-04-18
2.16.756.5.30.1.1.10.1.9		CDA-CH v2.0 - structuredBody (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.16	Containment	Author Compilation with name, addr and telecom (2017)	2018-04-18
2.16.756.5.30.1.1.10.4.2		Annotation Comments (2017)	2016-11-11
2.16.756.5.30.1.1.10.3.2		Remarks Section - coded (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.17	Containment	Assigned Entity Compilation with name, addr and telecom (2017)	2018-04-18
2.16.756.5.30.1.1.10.4.7		Laboratory Performer - performer Containment (2017)	2017-06-21
2.16.756.5.30.1.1.10.4.70		Inability To Work Observation (2017)	2017-09-14 17:25:19
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)


Example

Example

```
<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>
```

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
h17:telecom	TEL	1 ... *	R	The organization's means of communication (phone, eMail, ...).	CDA-CH V2
h17: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</i> (DYNAMIC)	CDA-CH V2

7.3.5.15 Original Text Reference




























Id	2.16.756.5.30.1.1.10.9.49	Effective Date	2018-04-18
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)

Used by 0 transactions and 17 templates, Uses 0 templates

Used by	as	Name	Version
2.16.756.5.30.1.1.10.2.1	Include	 Patient - recordTarget (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.36		 CDA-CH v2.0 Header Template Compilation (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.12		 CDA-CH v2.0 - nonXMLBody (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.14		 CDA-CH v2.0 - structuredBody enhanced (2018)	2018-04-18
2.16.756.5.30.1.1.10.1.9		 CDA-CH v2.0 - structuredBody (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.12	Include	 Assigned Entity Compilation with id (2017)	2018-04-18
2.16.756.5.30.1.1.10.2.5		 Legal Authenticator (2017)	2018-04-18
2.16.756.5.30.1.1.10.2.6		 Authenticator (2017)	2018-04-18
2.16.756.5.30.1.1.10.2.7		 Data Enterer (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.17	Include	 Assigned Entity Compilation with name, addr and telecom (2017)	2018-04-18
2.16.756.5.30.1.1.10.4.7		 Laboratory Performer - performer Containment (2017)	2017-06-21
2.16.756.5.30.1.1.10.4.70		 Inability To Work Observation (2017)	2017-09-14 17:25:19
2.16.756.5.30.1.1.10.9.31	Include	 Performer (2017)	2018-04-18
2.16.756.5.30.1.1.10.2.46		 Health Service - documentationOf (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.32	Include	 Assigned Entity Compilation with id, name, addr, telecom, person and organization (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.50	Include	 Assigned Entity Compilation with GLN, name, addr, telecom, person and organization (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.51	Include	 Assigned Entity Compilation with GLN and name (2017)	2018-04-18

Used by / Uses

Example

Example

```
<originalText>
  demo
  <reference value="#nartext1"/>
```

</originalText>

Item	DT	Card	Conf	Description	Label
hl7:originalText	ED	0 ... 1	C		CDA-CH V2
└ 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
└ └ @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.

7.3.5.16 Performer

Id 2.16.756.5.30.1.1.10.9.31

Effective Date 2018-04-18

Status	● Active
Name	cdach_other_Performer

Version Label	2017
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)

Used by / Uses

Used by 0 transactions and 5 templates, Uses 2 templates

Used by	as	Name	Version
2.16.756.5.30.1.1.10.2.46	Include	● Health Service - documentationOf (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.36		● CDA-CH v2.0 Header Template Compilation (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.12		● CDA-CH v2.0 - nonXMLBody (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.14		● CDA-CH v2.0 - structuredBody enhanced (2018)	2018-04-18
2.16.756.5.30.1.1.10.1.9		● CDA-CH v2.0 - structuredBody (2017)	2018-04-18
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

```
<performer typeCode="PRE">
```

```

<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>
    <name>
      <given>Allzeit</given>
      <family>Bereit</family>
      <prefix>Dr. med.</prefix>
    </name>
  </assignedPerson>
  <representedOrganization>
    <id root="2.51.1.3" extension="7609999999999"/>
    <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)
└ @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				<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
<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>

```

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 <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
└─ 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

└─ @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. ISCO-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)

7.3.5.17 Person Name Information Compilation - eCH-0011

Id	2.16.756.5.30.1.1.10.9.34	Effective Date	2018-04-18
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)

Used by 0 transactions and 27 templates, Uses 0 templates

Used by / Uses

Used by	as	Name	Version
2.16.756.5.30.1.1.10.2.1	Containment	 Patient - recordTarget (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.36		 CDA-CH v2.0 Header Template Compilation (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.12		 CDA-CH v2.0 - nonXMLBody (2017)	2018-04-18
2.16.756.5.30.1.1.10.1.14		 CDA-CH v2.0 - structuredBody enhanced (2018)	2018-04-18
2.16.756.5.30.1.1.10.1.9		 CDA-CH v2.0 - structuredBody (2017)	2018-04-18
2.16.756.5.30.1.1.10.2.14	Containment	 Insurance Card - participant (2017)	2018-04-18
2.16.756.5.30.1.1.10.2.15	Containment	 Insurance - participant (2017)	2018-04-18
2.16.756.5.30.1.1.10.2.4	Containment	 Recipient - informationRecipient (2017)	2018-04-18
2.16.756.5.30.1.1.10.2.40	Containment	 Employer - participant (2017)	2018-04-18
2.16.756.5.30.1.1.10.2.43	Containment	 Patient Contact - participant (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.12	Containment	 Assigned Entity Compilation with id (2017)	2018-04-18
2.16.756.5.30.1.1.10.2.5		 Legal Authenticator (2017)	2018-04-18
2.16.756.5.30.1.1.10.2.6		 Authenticator (2017)	2018-04-18
2.16.756.5.30.1.1.10.2.7		 Data Enterer (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.16	Containment	 Author Compilation with name, addr and telecom (2017)	2018-04-18
2.16.756.5.30.1.1.10.4.2		 Annotation Comments (2017)	2016-11-11
2.16.756.5.30.1.1.10.3.2		 Remarks Section - coded (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.17	Containment	 Assigned Entity Compilation with name, addr and telecom (2017)	2018-04-18
2.16.756.5.30.1.1.10.4.7		 Laboratory Performer - performer Containment (2017)	2017-06-21

2.16.756.5.30.1.1.10.4.70		Inability To Work Observation (2017)	2017-09-14 17:25:19
2.16.756.5.30.1.1.10.9.23	Containment	Author (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.32	Containment	Assigned Entity Compilation with id, name, addr, telecom, person and organization (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.31		Performer (2017)	2018-04-18
2.16.756.5.30.1.1.10.2.46		Health Service - documentationOf (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.48	Containment	Author Compilation with name (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.50	Containment	Assigned Entity Compilation with GLN, name, addr, telecom, person and organization (2017)	2018-04-18
2.16.756.5.30.1.1.10.9.51	Containment	Assigned Entity Compilation with GLN and name (2017)	2018-04-18

Example

Minimal name

```
<name>
  <family>Muster</family>
  <given>Hildegard</given>
</name>
```

Example

Maiden name

```
<!-- @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>
```

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 --> <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>
Example	<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
h17:name	PN	1 ... 1	R	The person's legal name (with required family and given name).	eCH-0011 V8.1 nameData
└ @use	set_cs	0 ... 1	F	L Legal. This is the default. Thus, name elements without @use are legal names.	
└ h17:prefix	ENXP	0 ... *		The person's academic title (such as Dr. med. or Prof.).	eCH-0011 V8.1 nameData
└ @qualifier	set_cs	1 ... 1	F	AC Academic.	
└ h17:family	ENXP	1 ... *	R	The person's family name ([ge]: Nachname; [fr]: nom de famille).	eCH-0011 V8.1 nameData
└ @qualifier	set_cs	0	NP	NP/not present Default.	
└ h17:family	ENXP	0 ... *		The person's maiden name ([ge]: Ledigname; [fr]: nom de célibataire).	eCH-0011 V8.1 nameData
└ @qualifier	set_cs	1 ... 1	F	BR Birth name.	
└ h17:given	ENXP	1 ... *	R	The person's given name ([ge]: Vorname; [fr]: prénom).	eCH-0011 V8.1 nameData
└ @qualifier	set_cs	0	NP	NP/not present Default.	

└ h17:given	ENXP	0 ... *		The person's call name ([ge]: Rufname; [fr]: nom usuel).	eCH-0011 V8.1 na- meData
└ @qualifier	set_cs	1 ... 1	F	CL Callme.	
h17:name	PN	0 ... *		The person's alias name.	eCH-0011 V8.1 na- meData
└ @use	set_cs	1 ... 1	F	P Pseudonym.	
└ h17:prefix	ENXP	0 ... *		The person's title.	eCH-0011 V8.1 na- meData
└ @qualifier	set_cs	1 ... 1	F	TITLE Title.	
└ h17:family	ENXP	0 ... *		The person's pseudonym family name ([ge]: Nachname; [fr]: nom de famille).	eCH-0011 V8.1 na- meData
└ @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 na- meData
└ @qualifier	set_cs	0	NP	NP/not present Default.	
h17:name	PN	0 ... *		Other person's name.	eCH-0011 V8.1 na- meData

└ @use	set_cs 1 ... 1 F	ASGN	Assigned.	
└ h17:prefix	ENXP 0 ... *		The person's title.	eCH-0011 V8.1 na- meData
└ @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 na- meData
└ @qualifier	set_cs 0	NP	NP/not present Default.	
└ h17:given	ENXP 0 ... *		Other official given name ([ge]: Vorname; [fr]: prénom).	eCH-0011 V8.1 na- meData
└ @qualifier	set_cs 0	NP	NP/not present Default.	

7.3.5.18 PlayingEntity Compilation with name

Id	2.16.756.5.30.1.1.10.9.20	Effective Date	2018-04-18
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	Version: template 2.16.756.5.30.1.1.10.9.20 (2016-07-12) 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

7.3.6 Codes und Wertebereiche

Die nachfolgenden Value-Sets werden in alphabetischer Reihenfolge aufgelistet.

7.3.6.1 HL7 LanguageAbilityMode


Id	2.16.840.1.113883.1.11.12249 <small>ref ad2bbr-</small>	Effective Date	2014-03-26
Status	● Final	Version Label	DEFN=UV=VO=1360-20160323
Name	LanguageAbilityMode	Display Name	LanguageAbilityMode
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>A value representing the method of expression of the language.</p> <p><i>Example:</i> Expressed spoken, expressed written, expressed signed, received spoken, received written, received signed.</p>		
Source Code System	2.16.840.1.113883.5.60 - <i>Language Ability Mode</i>		

Level/ Type	Code	Display Name	Code System
0-L	ESGN	Expressed signed	Language Ability Mode
0-L	ESP	Expressed spoken	Language Ability Mode
0-L	EWR	Expressed written	Language Ability Mode
0-L	RSGN	Received signed	Language Ability Mode
0-L	RSP	Received spoken	Language Ability Mode
0-L	RWR	Received written	Language Ability Mode

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

7.3.6.2 HL7 LanguageAbilityProficiency

Id	2.16.840.1.113883.1.11.12199 <small>ref ad2bbr-</small>	Effective Date	2014-03-26
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Status	 Final	Version Label	DEFN=UV=VO=1360-20160323
Name	LanguageAbilityProficiency	Display Name	LanguageAbilityProficiency
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>A value representing the level of proficiency in a language.</p> <p><i>Example:</i> Excellent, good, fair, poor.</p>		
Source Code System	2.16.840.1.113883.5.61 - Language Ability Proficiency		

Level/ Type	Code	Display Name	Code System
0-L	E	Excellent	Language Ability Proficiency
0-L	F	Fair	Language Ability Proficiency
0-L	G	Good	Language Ability Proficiency
0-L	P	Poor	Language Ability Proficiency

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

7.3.6.3 HL7 MaritalStatus

Im Sinne der internationalen Interoperabilität schreibt die vorliegende Spezifikation den Einsatz des international akzeptierten Vokabulars vor. Um gleichzeitig den schweizerischen Gegebenheiten zu entsprechen, ist nach dem folgenden Value-Set eine entsprechende Mapping-Tabelle dokumentiert: "7 Mapping zu eCH-0011 maritalStatus - Zivilstand"

Id	2.16.840.1.113883.1.11.12212 ref ad2bbr-	Effective Date	2014-03-26
Status	 Final	Version Label	DEFN=UV=VO=1360-20160323

Name	MaritalStatus	Display Name	MaritalStatus
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>The domestic partnership status of a person.</p> <p><i>Example:</i> Married, separated, divorced, widowed, common-law marriage.</p>		
Source Code System	2.16.840.1.113883.5.2 - <i>MaritalStatus</i>		

Level/ Type	Code	Display Name	Code System
0-L	A	Annulled	MaritalStatus
0-L	D	Divorced	MaritalStatus
0-L	I	Interlocutory	MaritalStatus
0-L	L	Legally Separated	MaritalStatus
0-L	M	Married	MaritalStatus
0-L	P	Polygamous	MaritalStatus
0-L	S	Never Married	MaritalStatus
0-L	T	Domestic partner	MaritalStatus
0-L	W	Widowed	MaritalStatus

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

Mapping zu eCH-0011 maritalStatus - Zivilstand


Siehe auch eCH-0011: Datenstandard Personendaten v8.1 (<https://www.ech.ch/vechweb/page?p=dossier&documentNumber=eCH-0011&documentVersion=8.1>), Kapitel "3.3.5.1 maritalStatus - Zivilstand: Zivilstand"

Das nachfolgend genannte Zielkonzept wird im code-Element deklariert. Das länderspezifische Quellkonzept wird im translation-Element deklariert.

Quellkonzept eCH-0011 maritalStatus OID: 2.16.756.5.30.1.170.11.1	Zielkonzept HL7 MaritalStatus OID: 2.16.840.1.113883.5.2	Vergleich Quell- zu Zielkonzept Äquivalenz Grad gemäss ART-DECOR level of equivalence (vgl. ISO 12300 equivalency rating)
1 = ledig/célibataire	S = Never Married	equivalent
2 = verheiratet/marié/e	M = Married	equivalent
3 = verwitwet/ veuf/veuve	W = Widowed	equivalent
4 = geschieden/divorcé/e	D = Divorced	equivalent
5 = unverheiratet/non marié/e	U = unmarried	equivalent
6 = in eingetragener Partnerschaft/lié/e par un partenari- ariat enregistré	T = Domestic partner	wider
7 = aufgelöste Partnerschaft/partenariat dissous	U = unmarried	wider
9 = unbekannt	nullFlavor verwenden: UNK = Unknown	unmatched

[Tabelle 3] Mapping zu eCH-0011 maritalStatus - Zivilstand

7.3.6.4 HL7 NullFlavor


Id	2.16.840.1.113883.1.11.10609 <small>ref ad2bbr-</small>	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 - Null Flavor		

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.

7.3.6.5 HL7 ParticipationSignature

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

Description	<p>History description 2014-03-26: Lock all value sets untouched since 2014-03-26 to trackingId 2014T1_2014_03_26</p> <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.

7.3.6.6 HL7 ReligiousAffiliation

Im Sinne der internationalen Interoperabilität schreibt die vorliegende Spezifikation den Einsatz des international akzeptierten Vokabulars vor. Um gleichzeitig den schweizerischen Gegebenheiten zu entsprechen, ist nach dem folgenden Value-Set eine entsprechende Mapping-Tabelle dokumentiert: "7 Mapping zu eCH-0011 religion – Konfessionszugehörigkeit"

Id	2.16.840.1.113883.1.11.19185 ref ad2bbr-	Effective Date	2014-03-26
Status	● Final	Version Label	DEFN=UV=VO=1360-20160323
Name	ReligiousAffiliation	Display Name	ReligiousAffiliation

Description	<p>History description 2014-03-26: Lock all value sets untouched since 2014-03-26 to trackingId 2014T1_2014_03_26</p> <p>description:</p> <p>Assignment of spiritual faith affiliation</p>
Source Code System	2.16.840.1.113883.5.1076 - <i>ReligiousAffiliation</i>

Level/ Type	Code	Display Name	Code System
0-L	1001	Adventist	ReligiousAffiliation
0-L	1002	African Religions	ReligiousAffiliation
0-L	1003	Afro-Caribbean Religions	ReligiousAffiliation
0-L	1004	Agnosticism	ReligiousAffiliation
0-L	1005	Anglican	ReligiousAffiliation
0-L	1006	Animism	ReligiousAffiliation
0-L	1007	Atheism	ReligiousAffiliation
0-L	1008	Babi & Baha'I faiths	ReligiousAffiliation
0-L	1009	Baptist	ReligiousAffiliation
0-L	1010	Bon	ReligiousAffiliation
0-L	1011	Cao Dai	ReligiousAffiliation
0-L	1012	Celticism	ReligiousAffiliation
0-L	1013	Christian (non-Catholic, non-specific)	ReligiousAffiliation
0-L	1014	Confucianism	ReligiousAffiliation
0-L	1015	Cyberculture Religions	ReligiousAffiliation
0-L	1016	Divination	ReligiousAffiliation
0-L	1017	Fourth Way	ReligiousAffiliation

0-L	1018	Free Daism	ReligiousAffiliation
0-L	1019	Gnosis	ReligiousAffiliation
0-L	1020	Hinduism	ReligiousAffiliation
0-L	1021	Humanism	ReligiousAffiliation
0-L	1022	Independent	ReligiousAffiliation
0-L	1023	Islam	ReligiousAffiliation
0-L	1024	Jainism	ReligiousAffiliation
0-L	1025	Jehovah's Witnesses	ReligiousAffiliation
0-L	1026	Judaism	ReligiousAffiliation
0-L	1027	Latter Day Saints	ReligiousAffiliation
0-L	1028	Lutheran	ReligiousAffiliation
0-L	1029	Mahayana	ReligiousAffiliation
0-L	1030	Meditation	ReligiousAffiliation
0-L	1031	Messianic Judaism	ReligiousAffiliation
0-L	1032	Mittraism	ReligiousAffiliation
0-L	1033	New Age	ReligiousAffiliation
0-L	1034	non-Roman Catholic	ReligiousAffiliation
0-L	1035	Occult	ReligiousAffiliation
0-L	1036	Orthodox	ReligiousAffiliation
0-L	1037	Paganism	ReligiousAffiliation
0-L	1038	Pentecostal	ReligiousAffiliation
0-L	1039	Process, The	ReligiousAffiliation
0-L	1040	Reformed/Presbyterian	ReligiousAffiliation

0-L	1041	Roman Catholic Church	ReligiousAffiliation
0-L	1042	Satanism	ReligiousAffiliation
0-L	1043	Scientology	ReligiousAffiliation
0-L	1044	Shamanism	ReligiousAffiliation
0-L	1045	Shiite (Islam)	ReligiousAffiliation
0-L	1046	Shinto	ReligiousAffiliation
0-L	1047	Sikism	ReligiousAffiliation
0-L	1048	Spiritualism	ReligiousAffiliation
0-L	1049	Sunni (Islam)	ReligiousAffiliation
0-L	1050	Taoism	ReligiousAffiliation
0-L	1051	Theravada	ReligiousAffiliation
0-L	1052	Unitarian-Universalism	ReligiousAffiliation
0-L	1053	Universal Life Church	ReligiousAffiliation
0-L	1054	Vajrayana (Tibetan)	ReligiousAffiliation
0-L	1055	Veda	ReligiousAffiliation
0-L	1056	Voodoo	ReligiousAffiliation
0-L	1057	Wicca	ReligiousAffiliation
0-L	1058	Yaohushua	ReligiousAffiliation
0-L	1059	Zen Buddhism	ReligiousAffiliation
0-L	1060	Zoroastrianism	ReligiousAffiliation
0-L	1061	Assembly of God	ReligiousAffiliation
0-L	1062	Brethren	ReligiousAffiliation
0-L	1063	Christian Scientist	ReligiousAffiliation

0-L	1064	Church of Christ	ReligiousAffiliation
0-L	1065	Church of God	ReligiousAffiliation
0-L	1066	Congregational	ReligiousAffiliation
0-L	1067	Disciples of Christ	ReligiousAffiliation
0-L	1068	Eastern Orthodox	ReligiousAffiliation
0-L	1069	Episcopalian	ReligiousAffiliation
0-L	1070	Evangelical Covenant	ReligiousAffiliation
0-L	1071	Friends	ReligiousAffiliation
0-L	1072	Full Gospel	ReligiousAffiliation
0-L	1073	Methodist	ReligiousAffiliation
0-L	1074	Native American	ReligiousAffiliation
0-L	1075	Nazarene	ReligiousAffiliation
0-L	1076	Presbyterian	ReligiousAffiliation
0-L	1077	Protestant	ReligiousAffiliation
0-L	1078	Protestant, No Denomination	ReligiousAffiliation
0-L	1079	Reformed	ReligiousAffiliation
0-L	1080	Salvation Army	ReligiousAffiliation
0-L	1081	Unitarian Universalist	ReligiousAffiliation
0-L	1082	United Church of Christ	ReligiousAffiliation
0-L	1061	Assembly of God	ReligiousAffiliation
0-L	1062	Brethren	ReligiousAffiliation
0-L	1063	Christian Scientist	ReligiousAffiliation
0-L	1064	Church of Christ	ReligiousAffiliation

0-L	1065	Church of God	ReligiousAffiliation
0-L	1066	Congregational	ReligiousAffiliation
0-L	1067	Disciples of Christ	ReligiousAffiliation
0-L	1068	Eastern Orthodox	ReligiousAffiliation
0-L	1069	Episcopalian	ReligiousAffiliation
0-L	1070	Evangelical Covenant	ReligiousAffiliation
0-L	1071	Friends	ReligiousAffiliation
0-L	1072	Full Gospel	ReligiousAffiliation
0-L	1073	Methodist	ReligiousAffiliation
0-L	1074	Native American	ReligiousAffiliation
0-L	1075	Nazarene	ReligiousAffiliation
0-L	1076	Presbyterian	ReligiousAffiliation
0-L	1077	Protestant	ReligiousAffiliation
0-L	1078	Protestant, No Denomination	ReligiousAffiliation
0-L	1079	Reformed	ReligiousAffiliation
0-L	1080	Salvation Army	ReligiousAffiliation
0-L	1081	Unitarian Universalist	ReligiousAffiliation
0-L	1082	United Church of Christ	ReligiousAffiliation

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

Mapping zu eCH-0011 religion – Konfessionszugehörigkeit

Siehe auch eCH-0011: Datenstandard Personendaten v8.1 (<https://www.ech.ch/vechweb/page?p=dossier&documentNumber=eCH-0011&documentVersion=8.1>), Kapitel "3.3.4.1 religion – Konfessionszugehörigkeit".

Abhängig vom Kontext können auch andere Codes ausgetauscht werden. Für die Lieferung an das BFS sind aber nur die, unter 'eCH-0011 religion' aufgeführten Codes zulässig.

Das nachfolgend genannte Zielkonzept wird im code-Element deklariert. Das länderspezifische Quellkonzept wird im translation-Element deklariert.


Quellkonzept eCH-0011 religion OID: 2.16.756.5.30.1.170.11.2	Zielkonzept HL7 ReligiousAffiliation OID: 2.16.840.1.113883.5.1076	Vergleich Quell- zu Zielkonzept Äquivalenz Grad gemäss ART-DECOR level of equivalence (vgl. ISO 12300 equivalency rating)
111 = evangelisch-reformierte (protestantische) Kirche	1077 = Protestant	wider
121 = römisch-katholische Kirche	1041 = Roman Catholic Church	equivalent
122 = christkatholische / altkatholische Kirche	1013 = Christian (non-Catholic, non-specific)	inexact
211 = israelitische Gemeinschaft / jüdische Glaubensgemeinschaft	1026 = Judaism	wider
211201 = Israelitische Cultusgemeinde	1026 = Judaism	wider
211301 = Jüdisch Liberale Gemeinde	1026 = Judaism	wider
000 = Unbekannt	nullFlavor verwenden: UNK = Unknown	unmatched

[Tabelle 4] *Mapping zu eCH-0011 religion – Konfessionszugehörigkeit*

7.3.6.7 HL7 RoleCode

Diese Tabelle existiert derzeit leider noch nicht als Value-Set in ART-DECOR. Siehe deshalb das Vocabulary im HL7 CDA Standard R2 (2005) oder die aktuelle Tabelle im Wiki von HL7 Deutschland: Kodesystem RoleCode (<http://wiki.hl7.de/index.php?title=2.16.840.1.113883.5.111>).



7.3.6.8 IHERoleCode Employer and School Contacts

Id	2.16.756.5.30.1.1.11.77	Effective Date	2016-11-11
Status	 Under pre-publication review	Version Label	2016
Name	IheRoleCodeEmployerAndSchoolContacts	Display Name	IHERoleCode Employer and School Contacts
Source Code System	1.3.6.1.4.1.19376.1.5.3.3		

Level/ Type	Code	Display Name	Code System
0-L	EMPLOYER	EMPLOYER	1.3.6.1.4.1.19376.1.5.3.3
0-L	SCHOOL	SCHOOL	1.3.6.1.4.1.19376.1.5.3.3
0-L	AFFILIATED	AFFILIATED	1.3.6.1.4.1.19376.1.5.3.3

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

7.3.6.9 HL7 x_InformationRecipient






Id	2.16.840.1.113883.1.11.19366 	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.

7.3.6.10 Swiss EprAuthorRole


Id	2.16.756.5.30.1.127.3.10.1.1.3	Effective Date	2018-01-31 14:06:48
Status	● Final	Version Label	201704.2-beta
Name	EprAuthorRole	Display Name	EprAuthorRole
Description	Role of the author as per Annex 3 EPRO-FDHA, Chapter 2.1 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.		
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	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	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.


7.3.6.11 Swiss EprDocumentConfidentialityCode


Id	2.16.756.5.30.1.127.3.10.1.5	Effective Date	2018-01-31 14:09:35
Status	 Final	Version Label	201704.2-beta
Name	EprDocumentConfidentialityCode	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.

7.3.6.12 Swiss EprDocumentTypeCode

Id	2.16.756.5.30.1.127.3.10.1.27	Effective Date	2017-12-20
Status	 Final	Version Label	201704.2-beta
Name	EprDocumentTypeCode	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	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: Electrocardiogram 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	90000000000471000	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.

7.3.6.13 Swiss EprGender

Id	2.16.756.5.30.1.127.3.10.1.25	Effective Date	2018-01-31 14:14:25
Status	 Final	Version Label	201704.2-beta
Name	EprGender	Display Name	EprGender
Description	Patient's gender as per Annex 3 EPRO-FDHA, Chapter 2.10.		
Source Code System	2.16.840.1.113883.5.1 - <i>Administrative Gender</i>		

Level/ Type	Code	Display Name	Code System	Designations
0-L	F	Female	Administrative Gender	 Preferred: Female
0-L	M	Male	Administrative Gender	 Preferred: Male
0-L	UN	Undifferentiated	Administrative Gender	 Preferred: Other

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

7.4 Vorgaben für die Validierung

7.4.1 Erforderliche Schematron Regeln

Für sämtliche Austauschformate, welche auf CDA-CH V2 (2017) aufbauen muss ein Set an Schematron Regeln mitgeliefert werden. Dieses kann aus ART-DECOR generiert werden. Schematron Regeln aus ART-DECOR bilden alle Struktur-Prüfungen ab, welche im Modell abgebildet werden (vom Datentyp bis zu Kardinalitäten). Wichtige Geschäftsregeln, welche in der Beschreibung des Modells erfasst sind, kann ART-DECOR aber nicht automatisiert in Schematron umwandeln. Dazu ist es notwendig, dass solche Regeln zusätzlich im ART-DECOR Modell als Schematron assert oder report eingetragen werden.

Beispiel:

Für die Rolle des Autors muss das Value-Set gemäss EPDV, Anhang 3 (Metadaten) verwendet werden. Der Eintrag '133932002' (Other Caregiver) muss aber mit einem zusätzlichen Klartext ergänzt werden. Dazu wurde in den Templates Author und Performer der folgende Schematron assert ergänzt:

Test: `not(@code='133932002') or (originalText/text())`

Message: Other Caregivers description MUST be declared in the originalText element.

7.4.2 Veröffentlichung der Schematron Regeln

Die Schematron Regeln müssen der HL7 Benutzergruppe Schweiz zur öffentlich frei verfügbaren Publikation im dafür vorgesehenen SourceForge Repository (im Folgenden SVN genannt) abgegeben werden. Das SVN Repository wird durch die HL7 Benutzergruppe Schweiz gepflegt. Das technische Komitee der HL7 Benutzergruppe Schweiz ist zuständig für den Inhalt des Repositories und verwaltet auch die Schreibrechte.

SVN Repository: <https://svn.code.sf.net/p/hl7ch/code/trunk/>

SourceForge Projekt: <http://www.sourceforge.com/projects/hl7ch>

7.4.3 Versionierung der Schematron Regeln

Die Versionierung der Schematron Regeln obliegt dem Herausgeber eines CDA-CH Austauschformats. Zugelassen ist die Angabe je einer Haupt- und Unterversion pro Datei in Form einer natürlichen Zahl (Major.Minor). Beispiel: 2.11

Die Revisionsnummer wird durch das SVN Repository vergeben.

7.4.4 Kontinuität

CDA-CH Austauschformate Dokumentvorlagen (Templates; Set von Schematronregeln) sollen rückwärtskompatibel implementiert werden. Ein Bruch der Rückwärtskompatibilität ist - wenn immer möglich - zu vermeiden. Falls sich ein Bruch der Rückwärtskompatibilität nicht vermeiden lässt, ist dies ausschliesslich in Hauptversionen (neue Major Version) zugelassen.

Hinweis: CDA-CH V2 (2017) ist nicht 100% rückwärtskompatibel zu CDA-CH V1.2 (2009).

7.4.5 Metadaten zu den Schematron Regeln

Der Herausgeber eines CDA-CH Austauschformats muss die Schematron Regeln mit einer Hauptkategorie und einer Unterkategorie deklarieren. Diese Angaben werden für den Aufbau der Baumstruktur im SVN Repository verwendet und dürfen max. 20 Zeichen umfassen. Als Sonderzeichen sind `_` und `-` zugelassen. Leerzeichen sind nicht erlaubt. Die Angaben müssen innerhalb des jeweiligen Astes im SVN Repository eindeutig sein. In Streitfällen entscheidet endgültig der Vorstand der HL7 Benutzergruppe Schweiz resp. eine durch diesen Vorstand dazu ernannte Stelle.

Beispiele:

- Firma\Produkt
- Projekt\Formular

7.4.6 Pfadangaben in Schematron Regeln

Werden in den Schematron Dateien wiederverwendbare Entities referenziert, muss die Pfadangabe mittels relativen Pfaden erfolgen und der Verzeichnisstruktur im SVN Repository entsprechen.

7.4.7 Baumstruktur im SVN Repository

Der Aufbau der Baumstruktur im SVN Repository erfolgt folgendermassen:
schematrons/Hauptkategorie/Unterkategorie/Version/

Unterhalb dieser Kategorie ist der Herausgeber einer CDA-Vorlage frei in der Definition von Unterordnern.

Beispiele:

- schematrons/HL7.ch/CDA-CH/v1.2/cda-ch.sch
- schematrons/HL7.ch/CDA-CH/v2.0/cda-ch.sch
- schematrons/eHealthSuisse/eMedication/v1.0/cda-ch-emed-dis.ch
- schematrons/eHealthSuisse/eMedication/v1.0/cda-ch-emed-mtp.ch
- schematrons/eHealthSuisse/eMedication/v1.0/cda-ch-emed-padv.ch
- schematrons/eHealthSuisse/eMedication/v1.0/cda-ch-emed-pml.ch
- schematrons/eHealthSuisse/eMedication/v1.0/cda-ch-emed-pre.ch

8 Validierung, Technologien und Tools

Dieser Themenbereich wurde zwecks Wiederverwendbarkeit in verschiedenen Austauschformaten basierend auf CDA-CH in ein eigenständiges Dokument ausgelagert. Es wird auf das Whitepaper CDA-CH - Validierung, Technologien und Tools (https://www.hl7.ch/default/assets/File/Publikationen/WhitePaperCDATechnologien_V1_0.pdf) verwiesen.

Ausserdem enthält auch die Spezifikation CDA-CH-II (2011) (https://www.hl7.ch/default/assets/File/Publikationen/CDA-CH-II_de_V1_2a.pdf) ein Schematron Tutorial und Informationen zu Best Practices.

Hinweis: Obschon CDA-CH-II (2011) mit der Genehmigung von CDA-CH V2 (2017) ausser Kraft gesetzt wird, bleiben dort rein informativ lesenswert:

- Kapitel "8 Schematron Tutorial"
- Kapitel "9 Schematron Best Practices"

8.1 Beispieldokumente und Schematronregeln

Beispieldokumente und Schematronregeln sind unter folgenden Links im Open Source Repository der HL7 Benutzergruppe Schweiz veröffentlicht:

- Schematronregeln (<https://svn.code.sf.net/p/hl7ch/code/trunk/schematrons/HL7.ch/CDA-CH/v2.0/>)
- Beispieldokumente:
 - CDA-CH V2 Fallbeispiel "Hüftgelenkersatz"
 - Deutsch (<https://svn.code.sf.net/p/hl7ch/code/trunk/projects/HL7.ch/HipJointReplacement-de/v2.0/>)
 - Französisch (<https://svn.code.sf.net/p/hl7ch/code/trunk/projects/HL7.ch/HipJointReplacement-fr/v2.0/>)
 - CDA-CH V2 Best practices
 - Englisch (<https://svn.code.sf.net/p/hl7ch/code/trunk/projects/HL7.ch/BestPractices/v2.0/>)
 - Weitere Beispieldokumente (<https://svn.code.sf.net/p/hl7ch/code/trunk/projects/>)
Hinweis: Diese basieren teilweise auf CDA-CH V1.2 (2009) resp. CDA-CH-II (2011) und sind nicht vollständig auf CDA-CH V2 (2017) migriert.

9 Anhang

9.1 Lizenzen

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9.2 Anmerkungen

1. HL7 Interoperability Work Group. Coming To Terms - Scoping Interoperability for Health Care. 2007; Siehe auch: <http://www.hl7.com/assets/pdf/Coming-to-Terms-February-2007.pdf>
2. Elektronisches Patientendossier (EPDG) (<https://www.bag.admin.ch/bag/de/home/service/gesetzgebung/gesetzgebung-mensch-gesundheit/gesetzgebung-elektronisches-patientendossier.html>)
3. Bundesgesetz über die Bekämpfung übertragbarer Krankheiten des Menschen (Epidemiengesetz) (<https://www.admin.ch/opc/de/classified-compilation/20071012/index.html>)
4. Bundesgesetz über die Invalidenversicherung (<https://www.admin.ch/opc/de/classified-compilation/19590131/index.html>)
5. Bundesgesetz über die Alters- und Hinterlassenenversicherung (<https://www.admin.ch/opc/de/classified-compilation/19460217/index.html>)
6. Bundesgesetz über die Krankenversicherung (<https://www.admin.ch/opc/de/classified-compilation/19940073/index.html>)
7. Die Zentrale Ausgleichsstelle (ZAS) (<https://www.zas.admin.ch/zas/de/home.html>). Sie führt die Identifikationsdatenbank UPI (Unique Personal Identifier Database), auf die die EPD-(Stamm-)Gemeinschaften zugreifen dürfen.

9.3 Referenzierte Dokumente

1. IHE IT Infrastructure Technical Framework Volume 2b (ITI TF-2b), http://www.ihe.net/uploadedFiles/Documents/ITI/IHE_ITI_TF_Vol2b.pdf

9.4 Abbildungen

1. Bezug zu anderen Standards und Leitfäden – Referenzpyramide
2. Dokumenten-Workflow Fallbeispiel Hüftgelenkersatz
3. Communication vs. Content
4. Original Darstellung mittels eingebettetem PDF/A im CDA Body
5. PDF/A Ausprägungen
6. Inhalt CDA Dokument
7. Administrative Daten im CDA Header
8. Akteure gemäss IHE

9. „Share content“ Akteure und Transaktionen (konkret für XDS)
10. „Share content“ Akteure und Transaktionen (konkret für XDR)
11. „Share content“ Akteure und Transaktionen (konkret für XDM)

9.5 Tabellen

1. Auflistung von Beispielen von medizinischen Dokumenten
2. Notationen in diesem Dokument
3. Mapping zu eCH-0011 maritalStatus - Zivilstand
4. Mapping zu eCH-0011 religion – Konfessionszugehörigkeit