CDAR2\_IG\_POLST\_R1\_STU\_2022SEP\_Vol2



**HL7 CDA® R2 Implementation Guide: ePOLST: Portable Medical Orders About Resuscitation and Initial Treatment,**

**Release 1 (US Realm)**

**Standard for Trial Use**

**Volume 2 — Templates and Supporting Material**

**September 2022**

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| Logical Observation Identifiers Names & Codes (LOINC) | Regenstrief Institute |
| International Classification of Diseases (ICD) codes | World Health Organization (WHO) |
| NUCC Health Care Provider Taxonomy code set | American Medical Association. Please see www.nucc.org. AMA licensing contact: 312-464-5022 (AMA IP services) |

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# Document-Level Templates

Document-level templates describe the purpose and rules for constructing a conforming Clinical Document Architecture (CDA) document. Document templates include constraints on the CDA header and indicate contained section-level templates.

Each document-level template contains the following information:  
• Scope and intended use of the document type  
• Description and explanatory narrative  
• Template metadata (e.g., template ID)  
• Header constraints (e.g., document type, participants)  
• Required and optional section-level templates

US Realm Header (V3)

[ClinicalDocument: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.1.1:2015-08-01 (open)]

Published as part of Consolidated CDA Templates for Clinical Notes (US Realm) DSTU R2.1

Table 1: US Realm Header (V3) Contexts

| Contained By: | Contains: |
| --- | --- |
|  | [US Realm Patient Name (PTN.US.FIELDED)](#U_US_Realm_Patient_Name_PTNUSFIELDED) (required)  [US Realm Address (AD.US.FIELDED)](#U_US_Realm_Address_ADUSFIELDED) (optional)  [US Realm Address (AD.US.FIELDED)](#U_US_Realm_Address_ADUSFIELDED) (required)  [US Realm Person Name (PN.US.FIELDED)](#U_US_Realm_Person_Name_PNUSFIELDED) (optional)  [US Realm Date and Time (DTM.US.FIELDED)](#U_US_Realm_Date_and_Time_DTMUSFIELDED) (optional)  [US Realm Date and Time (DTM.US.FIELDED)](#U_US_Realm_Date_and_Time_DTMUSFIELDED) (required) |

This template defines constraints that represent common administrative and demographic concepts for US Realm CDA documents. Further specification, such as ClinicalDocument/code, are provided in document templates that conform to this template.

Table 2: US Realm Header (V3) Constraints Overview

| XPath | Card. | Verb | Data Type | CONF# | Value |
| --- | --- | --- | --- | --- | --- |
| ClinicalDocument (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.1.1:2015-08-01) | | | | | |
| realmCode | 1..1 | SHALL |  | [1198-16791](#C_1198-16791) | US |
| typeId | 1..1 | SHALL |  | [1198-5361](#C_1198-5361) |  |
| @root | 1..1 | SHALL |  | [1198-5250](#C_1198-5250) | 2.16.840.1.113883.1.3 |
| @extension | 1..1 | SHALL |  | [1198-5251](#C_1198-5251) | POCD\_HD000040 |
| templateId | 1..1 | SHALL |  | [1198-5252](#C_1198-5252) |  |
| @root | 1..1 | SHALL |  | [1198-10036](#C_1198-10036) | 2.16.840.1.113883.10.20.22.1.1 |
| @extension | 1..1 | SHALL |  | [1198-32503](#C_1198-32503) | 2015-08-01 |
| id | 1..1 | SHALL |  | [1198-5363](#C_1198-5363) |  |
| code | 1..1 | SHALL |  | [1198-5253](#C_1198-5253) |  |
| title | 1..1 | SHALL |  | [1198-5254](#C_1198-5254) |  |
| effectiveTime | 1..1 | SHALL |  | [1198-5256](#C_1198-5256) | [US Realm Date and Time (DTM.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.4](#U_US_Realm_Date_and_Time_DTMUSFIELDED) |
| confidentialityCode | 1..1 | SHALL |  | [1198-5259](#C_1198-5259) | urn:oid:2.16.840.1.113883.1.11.16926 (HL7 BasicConfidentialityKind) |
| languageCode | 1..1 | SHALL |  | [1198-5372](#C_1198-5372) | urn:oid:2.16.840.1.113883.1.11.11526 (Language) |
| setId | 0..1 | MAY |  | [1198-5261](#C_1198-5261) |  |
| versionNumber | 0..1 | MAY |  | [1198-5264](#C_1198-5264) |  |
| recordTarget | 1..\* | SHALL |  | [1198-5266](#C_1198-5266) |  |
| patientRole | 1..1 | SHALL |  | [1198-5267](#C_1198-5267) |  |
| id | 1..\* | SHALL |  | [1198-5268](#C_1198-5268) |  |
| addr | 1..\* | SHALL |  | [1198-5271](#C_1198-5271) | [US Realm Address (AD.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2](#U_US_Realm_Address_ADUSFIELDED) |
| telecom | 1..\* | SHALL |  | [1198-5280](#C_1198-5280) |  |
| @use | 0..1 | SHOULD |  | [1198-5375](#C_1198-5375) | urn:oid:2.16.840.1.113883.11.20.9.20 (Telecom Use (US Realm Header)) |
| patient | 1..1 | SHALL |  | [1198-5283](#C_1198-5283) |  |
| name | 1..\* | SHALL |  | [1198-5284](#C_1198-5284) | [US Realm Patient Name (PTN.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1](#U_US_Realm_Patient_Name_PTNUSFIELDED) |
| administrativeGenderCode | 1..1 | SHALL |  | [1198-6394](#C_1198-6394) | urn:oid:2.16.840.1.113883.1.11.1 (Administrative Gender (HL7 V3)) |
| birthTime | 1..1 | SHALL |  | [1198-5298](#C_1198-5298) |  |
| maritalStatusCode | 0..1 | SHOULD |  | [1198-5303](#C_1198-5303) | urn:oid:2.16.840.1.113883.1.11.12212 (Marital Status) |
| religiousAffiliationCode | 0..1 | MAY |  | [1198-5317](#C_1198-5317) | urn:oid:2.16.840.1.113883.1.11.19185 (Religious Affiliation) |
| raceCode | 1..1 | SHALL |  | [1198-5322](#C_1198-5322) | urn:oid:2.16.840.1.113883.3.2074.1.1.3 (Race Category Excluding Nulls) |
| sdtc:raceCode | 0..\* | MAY |  | [1198-7263](#C_1198-7263) | urn:oid:2.16.840.1.113883.1.11.14914 (Race Value Set) |
| ethnicGroupCode | 1..1 | SHALL |  | [1198-5323](#C_1198-5323) | urn:oid:2.16.840.1.114222.4.11.837 (Ethnicity) |
| sdtc:ethnicGroupCode | 0..\* | MAY |  | [1198-32901](#C_1198-32901) | urn:oid:2.16.840.1.114222.4.11.877 (Detailed Ethnicity) |
| guardian | 0..\* | MAY |  | [1198-5325](#C_1198-5325) |  |
| code | 0..1 | SHOULD |  | [1198-5326](#C_1198-5326) | urn:oid:2.16.840.1.113883.11.20.12.1 (Personal And Legal Relationship Role Type) |
| addr | 0..\* | SHOULD |  | [1198-5359](#C_1198-5359) | [US Realm Address (AD.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2](#U_US_Realm_Address_ADUSFIELDED) |
| telecom | 0..\* | SHOULD |  | [1198-5382](#C_1198-5382) |  |
| @use | 0..1 | SHOULD |  | [1198-7993](#C_1198-7993) | urn:oid:2.16.840.1.113883.11.20.9.20 (Telecom Use (US Realm Header)) |
| guardianPerson | 1..1 | SHALL |  | [1198-5385](#C_1198-5385) |  |
| name | 1..\* | SHALL |  | [1198-5386](#C_1198-5386) | [US Realm Person Name (PN.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1](#U_US_Realm_Person_Name_PNUSFIELDED) |
| birthplace | 0..1 | MAY |  | [1198-5395](#C_1198-5395) |  |
| place | 1..1 | SHALL |  | [1198-5396](#C_1198-5396) |  |
| addr | 1..1 | SHALL |  | [1198-5397](#C_1198-5397) |  |
| country | 0..1 | SHOULD |  | [1198-5404](#C_1198-5404) | urn:oid:2.16.840.1.113883.3.88.12.80.63 (Country) |
| languageCommunication | 0..\* | SHOULD |  | [1198-5406](#C_1198-5406) |  |
| languageCode | 1..1 | SHALL |  | [1198-5407](#C_1198-5407) | urn:oid:2.16.840.1.113883.1.11.11526 (Language) |
| modeCode | 0..1 | MAY |  | [1198-5409](#C_1198-5409) | urn:oid:2.16.840.1.113883.1.11.12249 (LanguageAbilityMode) |
| proficiencyLevelCode | 0..1 | SHOULD |  | [1198-9965](#C_1198-9965) | urn:oid:2.16.840.1.113883.1.11.12199 (LanguageAbilityProficiency) |
| preferenceInd | 0..1 | SHOULD |  | [1198-5414](#C_1198-5414) |  |
| providerOrganization | 0..1 | MAY |  | [1198-5416](#C_1198-5416) |  |
| id | 1..\* | SHALL |  | [1198-5417](#C_1198-5417) |  |
| @root | 0..1 | SHOULD |  | [1198-16820](#C_1198-16820) | 2.16.840.1.113883.4.6 |
| name | 1..\* | SHALL |  | [1198-5419](#C_1198-5419) |  |
| telecom | 1..\* | SHALL |  | [1198-5420](#C_1198-5420) |  |
| @use | 0..1 | SHOULD |  | [1198-7994](#C_1198-7994) | urn:oid:2.16.840.1.113883.11.20.9.20 (Telecom Use (US Realm Header)) |
| addr | 1..\* | SHALL |  | [1198-5422](#C_1198-5422) | [US Realm Address (AD.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2](#U_US_Realm_Address_ADUSFIELDED) |
| author | 1..\* | SHALL |  | [1198-5444](#C_1198-5444) |  |
| time | 1..1 | SHALL |  | [1198-5445](#C_1198-5445) | [US Realm Date and Time (DTM.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.4](#U_US_Realm_Date_and_Time_DTMUSFIELDED) |
| assignedAuthor | 1..1 | SHALL |  | [1198-5448](#C_1198-5448) |  |
| id | 1..\* | SHALL |  | [1198-5449](#C_1198-5449) |  |
| id | 0..1 | SHOULD |  | [1198-32882](#C_1198-32882) |  |
| @nullFlavor | 0..1 | MAY |  | [1198-32883](#C_1198-32883) | urn:oid:2.16.840.1.113883.5.1008 (HL7NullFlavor) = UNK |
| @root | 1..1 | SHALL |  | [1198-32884](#C_1198-32884) | 2.16.840.1.113883.4.6 |
| @extension | 0..1 | SHOULD |  | [1198-32885](#C_1198-32885) |  |
| code | 0..1 | SHOULD |  | [1198-16787](#C_1198-16787) |  |
| @code | 1..1 | SHALL |  | [1198-16788](#C_1198-16788) | urn:oid:2.16.840.1.114222.4.11.1066 (Healthcare Provider Taxonomy) |
| addr | 1..\* | SHALL |  | [1198-5452](#C_1198-5452) | [US Realm Address (AD.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2](#U_US_Realm_Address_ADUSFIELDED) |
| telecom | 1..\* | SHALL |  | [1198-5428](#C_1198-5428) |  |
| @use | 0..1 | SHOULD |  | [1198-7995](#C_1198-7995) | urn:oid:2.16.840.1.113883.11.20.9.20 (Telecom Use (US Realm Header)) |
| assignedPerson | 0..1 | SHOULD |  | [1198-5430](#C_1198-5430) |  |
| name | 1..\* | SHALL |  | [1198-16789](#C_1198-16789) | [US Realm Person Name (PN.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1](#U_US_Realm_Person_Name_PNUSFIELDED) |
| assignedAuthoringDevice | 0..1 | SHOULD |  | [1198-16783](#C_1198-16783) |  |
| manufacturerModelName | 1..1 | SHALL |  | [1198-16784](#C_1198-16784) |  |
| softwareName | 1..1 | SHALL |  | [1198-16785](#C_1198-16785) |  |
| dataEnterer | 0..1 | MAY |  | [1198-5441](#C_1198-5441) |  |
| assignedEntity | 1..1 | SHALL |  | [1198-5442](#C_1198-5442) |  |
| id | 1..\* | SHALL |  | [1198-5443](#C_1198-5443) |  |
| @root | 0..1 | SHOULD |  | [1198-16821](#C_1198-16821) | 2.16.840.1.113883.4.6 |
| code | 0..1 | MAY |  | [1198-32173](#C_1198-32173) | urn:oid:2.16.840.1.114222.4.11.1066 (Healthcare Provider Taxonomy) |
| addr | 1..\* | SHALL |  | [1198-5460](#C_1198-5460) | [US Realm Address (AD.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2](#U_US_Realm_Address_ADUSFIELDED) |
| telecom | 1..\* | SHALL |  | [1198-5466](#C_1198-5466) |  |
| @use | 0..1 | SHOULD |  | [1198-7996](#C_1198-7996) | urn:oid:2.16.840.1.113883.11.20.9.20 (Telecom Use (US Realm Header)) |
| assignedPerson | 1..1 | SHALL |  | [1198-5469](#C_1198-5469) |  |
| name | 1..\* | SHALL |  | [1198-5470](#C_1198-5470) | [US Realm Person Name (PN.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1](#U_US_Realm_Person_Name_PNUSFIELDED) |
| informant | 0..\* | MAY |  | [1198-8001](#C_1198-8001) |  |
| assignedEntity | 1..1 | SHALL |  | [1198-8002](#C_1198-8002) |  |
| id | 1..\* | SHALL |  | [1198-9945](#C_1198-9945) |  |
| code | 0..1 | MAY |  | [1198-32174](#C_1198-32174) | urn:oid:2.16.840.1.114222.4.11.1066 (Healthcare Provider Taxonomy) |
| addr | 1..\* | SHALL |  | [1198-8220](#C_1198-8220) | [US Realm Address (AD.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2](#U_US_Realm_Address_ADUSFIELDED) |
| assignedPerson | 1..1 | SHALL |  | [1198-8221](#C_1198-8221) |  |
| name | 1..\* | SHALL |  | [1198-8222](#C_1198-8222) | [US Realm Person Name (PN.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1](#U_US_Realm_Person_Name_PNUSFIELDED) |
| informant | 0..\* | MAY |  | [1198-31355](#C_1198-31355) |  |
| relatedEntity | 1..1 | SHALL |  | [1198-31356](#C_1198-31356) |  |
| custodian | 1..1 | SHALL |  | [1198-5519](#C_1198-5519) |  |
| assignedCustodian | 1..1 | SHALL |  | [1198-5520](#C_1198-5520) |  |
| representedCustodianOrganization | 1..1 | SHALL |  | [1198-5521](#C_1198-5521) |  |
| id | 1..\* | SHALL |  | [1198-5522](#C_1198-5522) |  |
| @root | 0..1 | SHOULD |  | [1198-16822](#C_1198-16822) | 2.16.840.1.113883.4.6 |
| name | 1..1 | SHALL |  | [1198-5524](#C_1198-5524) |  |
| telecom | 1..1 | SHALL |  | [1198-5525](#C_1198-5525) |  |
| @use | 0..1 | SHOULD |  | [1198-7998](#C_1198-7998) | urn:oid:2.16.840.1.113883.11.20.9.20 (Telecom Use (US Realm Header)) |
| addr | 1..1 | SHALL |  | [1198-5559](#C_1198-5559) | [US Realm Address (AD.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2](#U_US_Realm_Address_ADUSFIELDED) |
| informationRecipient | 0..\* | MAY |  | [1198-5565](#C_1198-5565) |  |
| intendedRecipient | 1..1 | SHALL |  | [1198-5566](#C_1198-5566) |  |
| id | 0..\* | MAY |  | [1198-32399](#C_1198-32399) |  |
| informationRecipient | 0..1 | MAY |  | [1198-5567](#C_1198-5567) |  |
| name | 1..\* | SHALL |  | [1198-5568](#C_1198-5568) | [US Realm Person Name (PN.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1](#U_US_Realm_Person_Name_PNUSFIELDED) |
| receivedOrganization | 0..1 | MAY |  | [1198-5577](#C_1198-5577) |  |
| name | 1..1 | SHALL |  | [1198-5578](#C_1198-5578) |  |
| legalAuthenticator | 0..1 | SHOULD |  | [1198-5579](#C_1198-5579) |  |
| time | 1..1 | SHALL |  | [1198-5580](#C_1198-5580) | [US Realm Date and Time (DTM.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.4](#U_US_Realm_Date_and_Time_DTMUSFIELDED) |
| signatureCode | 1..1 | SHALL |  | [1198-5583](#C_1198-5583) |  |
| @code | 1..1 | SHALL |  | [1198-5584](#C_1198-5584) | urn:oid:2.16.840.1.113883.5.89 (HL7ParticipationSignature) = S |
| sdtc:signatureText | 0..1 | MAY |  | [1198-30810](#C_1198-30810) |  |
| assignedEntity | 1..1 | SHALL |  | [1198-5585](#C_1198-5585) |  |
| id | 1..\* | SHALL |  | [1198-5586](#C_1198-5586) |  |
| @root | 0..1 | MAY |  | [1198-16823](#C_1198-16823) | 2.16.840.1.113883.4.6 |
| code | 0..1 | MAY |  | [1198-17000](#C_1198-17000) | urn:oid:2.16.840.1.114222.4.11.1066 (Healthcare Provider Taxonomy) |
| addr | 1..\* | SHALL |  | [1198-5589](#C_1198-5589) | [US Realm Address (AD.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2](#U_US_Realm_Address_ADUSFIELDED) |
| telecom | 1..\* | SHALL |  | [1198-5595](#C_1198-5595) |  |
| @use | 0..1 | SHOULD |  | [1198-7999](#C_1198-7999) | urn:oid:2.16.840.1.113883.11.20.9.20 (Telecom Use (US Realm Header)) |
| assignedPerson | 1..1 | SHALL |  | [1198-5597](#C_1198-5597) |  |
| name | 1..\* | SHALL |  | [1198-5598](#C_1198-5598) | [US Realm Person Name (PN.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1](#U_US_Realm_Person_Name_PNUSFIELDED) |
| authenticator | 0..\* | MAY |  | [1198-5607](#C_1198-5607) |  |
| time | 1..1 | SHALL |  | [1198-5608](#C_1198-5608) | [US Realm Date and Time (DTM.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.4](#U_US_Realm_Date_and_Time_DTMUSFIELDED) |
| signatureCode | 1..1 | SHALL |  | [1198-5610](#C_1198-5610) |  |
| @code | 1..1 | SHALL |  | [1198-5611](#C_1198-5611) | urn:oid:2.16.840.1.113883.5.89 (HL7ParticipationSignature) = S |
| sdtc:signatureText | 0..1 | MAY |  | [1198-30811](#C_1198-30811) |  |
| assignedEntity | 1..1 | SHALL |  | [1198-5612](#C_1198-5612) |  |
| id | 1..\* | SHALL |  | [1198-5613](#C_1198-5613) |  |
| @root | 0..1 | SHOULD |  | [1198-16824](#C_1198-16824) | 2.16.840.1.113883.4.6 |
| code | 0..1 | MAY |  | [1198-16825](#C_1198-16825) |  |
| @code | 0..1 | MAY |  | [1198-16826](#C_1198-16826) | urn:oid:2.16.840.1.114222.4.11.1066 (Healthcare Provider Taxonomy) |
| addr | 1..\* | SHALL |  | [1198-5616](#C_1198-5616) | [US Realm Address (AD.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2](#U_US_Realm_Address_ADUSFIELDED) |
| telecom | 1..\* | SHALL |  | [1198-5622](#C_1198-5622) |  |
| @use | 0..1 | SHOULD |  | [1198-8000](#C_1198-8000) | urn:oid:2.16.840.1.113883.11.20.9.20 (Telecom Use (US Realm Header)) |
| assignedPerson | 1..1 | SHALL |  | [1198-5624](#C_1198-5624) |  |
| name | 1..\* | SHALL |  | [1198-5625](#C_1198-5625) | [US Realm Person Name (PN.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1](#U_US_Realm_Person_Name_PNUSFIELDED) |
| participant | 0..\* | MAY |  | [1198-10003](#C_1198-10003) |  |
| time | 0..1 | MAY |  | [1198-10004](#C_1198-10004) |  |
| inFulfillmentOf | 0..\* | MAY |  | [1198-9952](#C_1198-9952) |  |
| order | 1..1 | SHALL |  | [1198-9953](#C_1198-9953) |  |
| id | 1..\* | SHALL |  | [1198-9954](#C_1198-9954) |  |
| documentationOf | 0..\* | MAY |  | [1198-14835](#C_1198-14835) |  |
| serviceEvent | 1..1 | SHALL |  | [1198-14836](#C_1198-14836) |  |
| effectiveTime | 1..1 | SHALL |  | [1198-14837](#C_1198-14837) |  |
| low | 1..1 | SHALL |  | [1198-14838](#C_1198-14838) |  |
| performer | 0..\* | SHOULD |  | [1198-14839](#C_1198-14839) |  |
| @typeCode | 1..1 | SHALL |  | [1198-14840](#C_1198-14840) | urn:oid:2.16.840.1.113883.1.11.19601 (x\_ServiceEventPerformer) |
| functionCode | 0..1 | MAY |  | [1198-16818](#C_1198-16818) |  |
| @code | 0..1 | SHOULD |  | [1198-32889](#C_1198-32889) | urn:oid:2.16.840.1.113762.1.4.1099.30 (Care Team Member Function) |
| assignedEntity | 1..1 | SHALL |  | [1198-14841](#C_1198-14841) |  |
| id | 1..\* | SHALL |  | [1198-14846](#C_1198-14846) |  |
| @root | 0..1 | SHOULD |  | [1198-14847](#C_1198-14847) | 2.16.840.1.113883.4.6 |
| code | 0..1 | SHOULD |  | [1198-14842](#C_1198-14842) | urn:oid:2.16.840.1.114222.4.11.1066 (Healthcare Provider Taxonomy) |
| authorization | 0..\* | MAY |  | [1198-16792](#C_1198-16792) |  |
| consent | 1..1 | SHALL |  | [1198-16793](#C_1198-16793) |  |
| id | 0..\* | MAY |  | [1198-16794](#C_1198-16794) |  |
| code | 0..1 | MAY |  | [1198-16795](#C_1198-16795) |  |
| statusCode | 1..1 | SHALL |  | [1198-16797](#C_1198-16797) |  |
| @code | 1..1 | SHALL |  | [1198-16798](#C_1198-16798) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = completed |
| componentOf | 0..1 | MAY |  | [1198-9955](#C_1198-9955) |  |
| encompassingEncounter | 1..1 | SHALL |  | [1198-9956](#C_1198-9956) |  |
| id | 1..\* | SHALL |  | [1198-9959](#C_1198-9959) |  |
| effectiveTime | 1..1 | SHALL |  | [1198-9958](#C_1198-9958) |  |

Properties

realmCode

1. SHALL contain exactly one [1..1] realmCode="US" (CONF:1198-16791).
2. SHALL contain exactly one [1..1] typeId (CONF:1198-5361).
   1. This typeId SHALL contain exactly one [1..1] @root="2.16.840.1.113883.1.3" (CONF:1198-5250).
   2. This typeId SHALL contain exactly one [1..1] @extension="POCD\_HD000040" (CONF:1198-5251).
3. SHALL contain exactly one [1..1] templateId (CONF:1198-5252) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.22.1.1" (CONF:1198-10036).
   2. SHALL contain exactly one [1..1] @extension="2015-08-01" (CONF:1198-32503).
4. SHALL contain exactly one [1..1] id (CONF:1198-5363).
   1. This id SHALL be a globally unique identifier for the document (CONF:1198-9991).
5. SHALL contain exactly one [1..1] code (CONF:1198-5253).
   1. This code SHALL specify the particular kind of document (e.g., History and Physical, Discharge Summary, Progress Note) (CONF:1198-9992).
   2. This code SHALL be drawn from the LOINC document type ontology (LOINC codes where SCALE = DOC) (CONF:1198-32948).
6. SHALL contain exactly one [1..1] title (CONF:1198-5254).  
   Note: The title can either be a locally defined name or the displayName corresponding to clinicalDocument/code
7. SHALL contain exactly one [1..1] [US Realm Date and Time (DTM.US.FIELDED)](#U_US_Realm_Date_and_Time_DTMUSFIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.4) (CONF:1198-5256).
8. SHALL contain exactly one [1..1] confidentialityCode, which SHOULD be selected from ValueSet [HL7 BasicConfidentialityKind](#HL7_BasicConfidentialityKind) urn:oid:2.16.840.1.113883.1.11.16926 DYNAMIC (CONF:1198-5259).
9. SHALL contain exactly one [1..1] languageCode, which SHALL be selected from ValueSet [Language](#Language) urn:oid:2.16.840.1.113883.1.11.11526 DYNAMIC (CONF:1198-5372).
10. MAY contain zero or one [0..1] setId (CONF:1198-5261).
    1. If setId is present versionNumber SHALL be present (CONF:1198-6380).
11. MAY contain zero or one [0..1] versionNumber (CONF:1198-5264).
    1. If versionNumber is present setId SHALL be present (CONF:1198-6387).

recordTarget

The recordTarget records the administrative and demographic data of the patient whose health information is described by the clinical document; each recordTarget must contain at least one patientRole element

1. SHALL contain at least one [1..\*] recordTarget (CONF:1198-5266).
   1. Such recordTargets SHALL contain exactly one [1..1] patientRole (CONF:1198-5267).
      1. This patientRole SHALL contain at least one [1..\*] id (CONF:1198-5268).
      2. This patientRole SHALL contain at least one [1..\*] [US Realm Address (AD.US.FIELDED)](#U_US_Realm_Address_ADUSFIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2) (CONF:1198-5271).
      3. This patientRole SHALL contain at least one [1..\*] telecom (CONF:1198-5280).
         1. Such telecoms SHOULD contain zero or one [0..1] @use, which SHALL be selected from ValueSet [Telecom Use (US Realm Header)](#Telecom_Use_US_Realm_Header) urn:oid:2.16.840.1.113883.11.20.9.20 DYNAMIC (CONF:1198-5375).
      4. This patientRole SHALL contain exactly one [1..1] patient (CONF:1198-5283).
         1. This patient SHALL contain at least one [1..\*] [US Realm Patient Name (PTN.US.FIELDED)](#U_US_Realm_Patient_Name_PTNUSFIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1) (CONF:1198-5284).
         2. This patient SHALL contain exactly one [1..1] administrativeGenderCode, which SHALL be selected from ValueSet [Administrative Gender (HL7 V3)](#Administrative_Gender_HL7_V3) urn:oid:2.16.840.1.113883.1.11.1 DYNAMIC (CONF:1198-6394).
         3. This patient SHALL contain exactly one [1..1] birthTime (CONF:1198-5298).
            1. SHALL be precise to year (CONF:1198-5299).
            2. SHOULD be precise to day (CONF:1198-5300).

For cases where information about newborn's time of birth needs to be captured.

* + - * 1. MAY be precise to the minute (CONF:1198-32418).
      1. This patient SHOULD contain zero or one [0..1] maritalStatusCode, which SHALL be selected from ValueSet [Marital Status](#Marital_Status) urn:oid:2.16.840.1.113883.1.11.12212 DYNAMIC (CONF:1198-5303).
      2. This patient MAY contain zero or one [0..1] religiousAffiliationCode, which SHALL be selected from ValueSet [Religious Affiliation](#Religious_Affiliation) urn:oid:2.16.840.1.113883.1.11.19185 DYNAMIC (CONF:1198-5317).
      3. This patient SHALL contain exactly one [1..1] raceCode, which SHALL be selected from ValueSet [Race Category Excluding Nulls](#Race_Category_Excluding_Nulls) urn:oid:2.16.840.1.113883.3.2074.1.1.3 DYNAMIC (CONF:1198-5322).
      4. This patient MAY contain zero or more [0..\*] sdtc:raceCode, which SHALL be selected from ValueSet [Race Value Set](#Race_Value_Set) urn:oid:2.16.840.1.113883.1.11.14914 DYNAMIC (CONF:1198-7263).  
         Note: The sdtc:raceCode is only used to record additional values when the patient has indicated multiple races or additional race detail beyond the five categories required for Meaningful Use Stage 2. The prefix sdtc: SHALL be bound to the namespace “urn:hl7-org:sdtc”. The use of the namespace provides a necessary extension to CDA R2 for the use of the additional raceCode elements.
         1. If sdtc:raceCode is present, then the patient SHALL contain [1..1] raceCode (CONF:1198-31347).
      5. This patient SHALL contain exactly one [1..1] ethnicGroupCode, which SHALL be selected from ValueSet [Ethnicity](#Ethnicity) urn:oid:2.16.840.1.114222.4.11.837 DYNAMIC (CONF:1198-5323).
      6. This patient MAY contain zero or more [0..\*] sdtc:ethnicGroupCode, which SHALL be selected from ValueSet [Detailed Ethnicity](#Detailed_Ethnicity) urn:oid:2.16.840.1.114222.4.11.877 DYNAMIC (CONF:1198-32901).
      7. This patient MAY contain zero or more [0..\*] guardian (CONF:1198-5325).
         1. The guardian, if present, SHOULD contain zero or one [0..1] code, which SHALL be selected from ValueSet [Personal And Legal Relationship Role Type](#Personal_And_Legal_Relationship_Role_Ty) urn:oid:2.16.840.1.113883.11.20.12.1 DYNAMIC (CONF:1198-5326).
         2. The guardian, if present, SHOULD contain zero or more [0..\*] [US Realm Address (AD.US.FIELDED)](#U_US_Realm_Address_ADUSFIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2) (CONF:1198-5359).
         3. The guardian, if present, SHOULD contain zero or more [0..\*] telecom (CONF:1198-5382).

The telecom, if present, SHOULD contain zero or one [0..1] @use, which SHALL be selected from ValueSet [Telecom Use (US Realm Header)](#Telecom_Use_US_Realm_Header) urn:oid:2.16.840.1.113883.11.20.9.20 DYNAMIC (CONF:1198-7993).

* + - * 1. The guardian, if present, SHALL contain exactly one [1..1] guardianPerson (CONF:1198-5385).

This guardianPerson SHALL contain at least one [1..\*] [US Realm Person Name (PN.US.FIELDED)](#U_US_Realm_Person_Name_PNUSFIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1) (CONF:1198-5386).

* + - 1. This patient MAY contain zero or one [0..1] birthplace (CONF:1198-5395).
         1. The birthplace, if present, SHALL contain exactly one [1..1] place (CONF:1198-5396).

This place SHALL contain exactly one [1..1] addr (CONF:1198-5397).

This addr SHOULD contain zero or one [0..1] country, which SHALL be selected from ValueSet [Country](#Country) urn:oid:2.16.840.1.113883.3.88.12.80.63 DYNAMIC (CONF:1198-5404).

If country is US, this addr SHALL contain exactly one [1..1] state, which SHALL be selected from ValueSet StateValueSet 2.16.840.1.113883.3.88.12.80.1 *DYNAMIC* (CONF:1198-5402).  
Note: A nullFlavor of 'UNK' may be used if the state is unknown.

If country is US, this addr MAY contain zero or one [0..1] postalCode, which SHALL be selected from ValueSet PostalCode urn:oid:2.16.840.1.113883.3.88.12.80.2 *DYNAMIC* (CONF:1198-5403).

* + - 1. This patient SHOULD contain zero or more [0..\*] languageCommunication (CONF:1198-5406).
         1. The languageCommunication, if present, SHALL contain exactly one [1..1] languageCode, which SHALL be selected from ValueSet [Language](#Language) urn:oid:2.16.840.1.113883.1.11.11526 DYNAMIC (CONF:1198-5407).
         2. The languageCommunication, if present, MAY contain zero or one [0..1] modeCode, which SHALL be selected from ValueSet [LanguageAbilityMode](#LanguageAbilityMode) urn:oid:2.16.840.1.113883.1.11.12249 DYNAMIC (CONF:1198-5409).
         3. The languageCommunication, if present, SHOULD contain zero or one [0..1] proficiencyLevelCode, which SHALL be selected from ValueSet [LanguageAbilityProficiency](#LanguageAbilityProficiency) urn:oid:2.16.840.1.113883.1.11.12199 DYNAMIC (CONF:1198-9965).
         4. The languageCommunication, if present, SHOULD contain zero or one [0..1] preferenceInd (CONF:1198-5414).
    1. This patientRole MAY contain zero or one [0..1] providerOrganization (CONF:1198-5416).
       1. The providerOrganization, if present, SHALL contain at least one [1..\*] id (CONF:1198-5417).
          1. Such ids SHOULD contain zero or one [0..1] @root="2.16.840.1.113883.4.6" National Provider Identifier (CONF:1198-16820).
       2. The providerOrganization, if present, SHALL contain at least one [1..\*] name (CONF:1198-5419).
       3. The providerOrganization, if present, SHALL contain at least one [1..\*] telecom (CONF:1198-5420).
          1. Such telecoms SHOULD contain zero or one [0..1] @use, which SHALL be selected from ValueSet [Telecom Use (US Realm Header)](#Telecom_Use_US_Realm_Header) urn:oid:2.16.840.1.113883.11.20.9.20 DYNAMIC (CONF:1198-7994).
       4. The providerOrganization, if present, SHALL contain at least one [1..\*] [US Realm Address (AD.US.FIELDED)](#U_US_Realm_Address_ADUSFIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2) (CONF:1198-5422).

author

The author element represents the creator of the clinical document. The author may be a device or a person.

1. SHALL contain at least one [1..\*] author (CONF:1198-5444).
   1. Such authors SHALL contain exactly one [1..1] [US Realm Date and Time (DTM.US.FIELDED)](#U_US_Realm_Date_and_Time_DTMUSFIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.4) (CONF:1198-5445).
   2. Such authors SHALL contain exactly one [1..1] assignedAuthor (CONF:1198-5448).
      1. This assignedAuthor SHALL contain at least one [1..\*] id (CONF:1198-5449).

If this assignedAuthor is an assignedPerson

* + 1. This assignedAuthor SHOULD contain zero or one [0..1] id (CONF:1198-32882) such that it

If id with @root="2.16.840.1.113883.4.6" National Provider Identifier is unknown then

* + - 1. MAY contain zero or one [0..1] @nullFlavor="UNK" Unknown (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:1198-32883).
      2. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.4.6" National Provider Identifier (CONF:1198-32884).
      3. SHOULD contain zero or one [0..1] @extension (CONF:1198-32885).

Only if this assignedAuthor is an assignedPerson should the assignedAuthor contain a code.

* + 1. This assignedAuthor SHOULD contain zero or one [0..1] code (CONF:1198-16787).
       1. The code, if present, SHALL contain exactly one [1..1] @code, which SHOULD be selected from ValueSet [Healthcare Provider Taxonomy](#Healthcare_Provider_Taxonomy) urn:oid:2.16.840.1.114222.4.11.1066 DYNAMIC (CONF:1198-16788).
    2. This assignedAuthor SHALL contain at least one [1..\*] [US Realm Address (AD.US.FIELDED)](#U_US_Realm_Address_ADUSFIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2) (CONF:1198-5452).
    3. This assignedAuthor SHALL contain at least one [1..\*] telecom (CONF:1198-5428).
       1. Such telecoms SHOULD contain zero or one [0..1] @use, which SHALL be selected from ValueSet [Telecom Use (US Realm Header)](#Telecom_Use_US_Realm_Header) urn:oid:2.16.840.1.113883.11.20.9.20 DYNAMIC (CONF:1198-7995).
    4. This assignedAuthor SHOULD contain zero or one [0..1] assignedPerson (CONF:1198-5430).
       1. The assignedPerson, if present, SHALL contain at least one [1..\*] [US Realm Person Name (PN.US.FIELDED)](#U_US_Realm_Person_Name_PNUSFIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1) (CONF:1198-16789).
    5. This assignedAuthor SHOULD contain zero or one [0..1] assignedAuthoringDevice (CONF:1198-16783).
       1. The assignedAuthoringDevice, if present, SHALL contain exactly one [1..1] manufacturerModelName (CONF:1198-16784).
       2. The assignedAuthoringDevice, if present, SHALL contain exactly one [1..1] softwareName (CONF:1198-16785).
    6. There SHALL be exactly one assignedAuthor/assignedPerson or exactly one assignedAuthor/assignedAuthoringDevice (CONF:1198-16790).

dataEnterer

The dataEnterer element represents the person who transferred the content, written or dictated, into the clinical document. To clarify, an author provides the content found within the header or body of a document, subject to their own interpretation; a dataEnterer adds an author's information to the electronic system.

1. MAY contain zero or one [0..1] dataEnterer (CONF:1198-5441).
   1. The dataEnterer, if present, SHALL contain exactly one [1..1] assignedEntity (CONF:1198-5442).
      1. This assignedEntity SHALL contain at least one [1..\*] id (CONF:1198-5443).
         1. Such ids SHOULD contain zero or one [0..1] @root="2.16.840.1.113883.4.6" National Provider Identifier (CONF:1198-16821).
      2. This assignedEntity MAY contain zero or one [0..1] code, which SHOULD be selected from ValueSet [Healthcare Provider Taxonomy](#Healthcare_Provider_Taxonomy) urn:oid:2.16.840.1.114222.4.11.1066 DYNAMIC (CONF:1198-32173).
      3. This assignedEntity SHALL contain at least one [1..\*] [US Realm Address (AD.US.FIELDED)](#U_US_Realm_Address_ADUSFIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2) (CONF:1198-5460).
      4. This assignedEntity SHALL contain at least one [1..\*] telecom (CONF:1198-5466).
         1. Such telecoms SHOULD contain zero or one [0..1] @use, which SHALL be selected from ValueSet [Telecom Use (US Realm Header)](#Telecom_Use_US_Realm_Header) urn:oid:2.16.840.1.113883.11.20.9.20 DYNAMIC (CONF:1198-7996).
      5. This assignedEntity SHALL contain exactly one [1..1] assignedPerson (CONF:1198-5469).
         1. This assignedPerson SHALL contain at least one [1..\*] [US Realm Person Name (PN.US.FIELDED)](#U_US_Realm_Person_Name_PNUSFIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1) (CONF:1198-5470).

informant

The informant element describes an information source for any content within the clinical document. This informant is constrained for use when the source of information is an assigned health care provider for the patient.

1. MAY contain zero or more [0..\*] informant (CONF:1198-8001) such that it
   1. SHALL contain exactly one [1..1] assignedEntity (CONF:1198-8002).
      1. This assignedEntity SHALL contain at least one [1..\*] id (CONF:1198-9945).
         1. If assignedEntity/id is a provider then this id, SHOULD include zero or one [0..1] id where id/@root ="2.16.840.1.113883.4.6" National Provider Identifier (CONF:1198-9946).
      2. This assignedEntity MAY contain zero or one [0..1] code, which SHOULD be selected from ValueSet [Healthcare Provider Taxonomy](#Healthcare_Provider_Taxonomy) urn:oid:2.16.840.1.114222.4.11.1066 DYNAMIC (CONF:1198-32174).
      3. This assignedEntity SHALL contain at least one [1..\*] [US Realm Address (AD.US.FIELDED)](#U_US_Realm_Address_ADUSFIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2) (CONF:1198-8220).
      4. This assignedEntity SHALL contain exactly one [1..1] assignedPerson (CONF:1198-8221).
         1. This assignedPerson SHALL contain at least one [1..\*] [US Realm Person Name (PN.US.FIELDED)](#U_US_Realm_Person_Name_PNUSFIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1) (CONF:1198-8222).

informant

The informant element describes an information source (who is not a provider) for any content within the clinical document. This informant would be used when the source of information has a personal relationship with the patient or is the patient.

1. MAY contain zero or more [0..\*] informant (CONF:1198-31355) such that it
   1. SHALL contain exactly one [1..1] relatedEntity (CONF:1198-31356).

custodian

The custodian element represents the organization that is in charge of maintaining and is entrusted with the care of the document.  
There is only one custodian per CDA document. Allowing that a CDA document may not represent the original form of the authenticated document, the custodian represents the steward of the original source document. The custodian may be the document originator, a health information exchange, or other responsible party.

1. SHALL contain exactly one [1..1] custodian (CONF:1198-5519).
   1. This custodian SHALL contain exactly one [1..1] assignedCustodian (CONF:1198-5520).
      1. This assignedCustodian SHALL contain exactly one [1..1] representedCustodianOrganization (CONF:1198-5521).
         1. This representedCustodianOrganization SHALL contain at least one [1..\*] id (CONF:1198-5522).
            1. Such ids SHOULD contain zero or one [0..1] @root="2.16.840.1.113883.4.6" National Provider Identifier (CONF:1198-16822).
         2. This representedCustodianOrganization SHALL contain exactly one [1..1] name (CONF:1198-5524).
         3. This representedCustodianOrganization SHALL contain exactly one [1..1] telecom (CONF:1198-5525).
            1. This telecom SHOULD contain zero or one [0..1] @use, which SHALL be selected from ValueSet [Telecom Use (US Realm Header)](#Telecom_Use_US_Realm_Header) urn:oid:2.16.840.1.113883.11.20.9.20 DYNAMIC (CONF:1198-7998).
         4. This representedCustodianOrganization SHALL contain exactly one [1..1] [US Realm Address (AD.US.FIELDED)](#U_US_Realm_Address_ADUSFIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2) (CONF:1198-5559).

informationRecipient

The informationRecipient element records the intended recipient of the information at the time the document was created. In cases where the intended recipient of the document is the patient's health chart, set the receivedOrganization to the scoping organization for that chart.

1. MAY contain zero or more [0..\*] informationRecipient (CONF:1198-5565).
   1. The informationRecipient, if present, SHALL contain exactly one [1..1] intendedRecipient (CONF:1198-5566).
      1. This intendedRecipient MAY contain zero or more [0..\*] id (CONF:1198-32399).
      2. This intendedRecipient MAY contain zero or one [0..1] informationRecipient (CONF:1198-5567).
         1. The informationRecipient, if present, SHALL contain at least one [1..\*] [US Realm Person Name (PN.US.FIELDED)](#U_US_Realm_Person_Name_PNUSFIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1) (CONF:1198-5568).
      3. This intendedRecipient MAY contain zero or one [0..1] receivedOrganization (CONF:1198-5577).
         1. The receivedOrganization, if present, SHALL contain exactly one [1..1] name (CONF:1198-5578).

legalAuthenticator

The legalAuthenticator identifies the single person legally responsible for the document and must be present if the document has been legally authenticated. A clinical document that does not contain this element has not been legally authenticated.  
The act of legal authentication requires a certain privilege be granted to the legal authenticator depending upon local policy. Based on local practice, clinical documents may be released before legal authentication.  
All clinical documents have the potential for legal authentication, given the appropriate credentials.  
Local policies MAY choose to delegate the function of legal authentication to a device or system that generates the clinical document. In these cases, the legal authenticator is a person accepting responsibility for the document, not the generating device or system.  
Note that the legal authenticator, if present, must be a person.

1. SHOULD contain zero or one [0..1] legalAuthenticator (CONF:1198-5579).
   1. The legalAuthenticator, if present, SHALL contain exactly one [1..1] [US Realm Date and Time (DTM.US.FIELDED)](#U_US_Realm_Date_and_Time_DTMUSFIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.4) (CONF:1198-5580).
   2. The legalAuthenticator, if present, SHALL contain exactly one [1..1] signatureCode (CONF:1198-5583).
      1. This signatureCode SHALL contain exactly one [1..1] @code="S" (CodeSystem: HL7ParticipationSignature urn:oid:2.16.840.1.113883.5.89 STATIC) (CONF:1198-5584).

sdtc:signatureText

The sdtc:signatureText extension provides a location in CDA for a textual or multimedia depiction of the signature by which the participant endorses and accepts responsibility for his or her participation in the Act as specified in the Participation.typeCode. Details of what goes in the field are described in the HL7 CDA Digital Signature Standard balloted in Fall 2013.

* 1. The legalAuthenticator, if present, MAY contain zero or one [0..1] sdtc:signatureText (CONF:1198-30810).  
     Note: The signature can be represented either inline or by reference according to the ED data type. Typical cases for CDA are:  
     1) Electronic signature: this attribute can represent virtually any electronic signature scheme.  
     2) Digital signature: this attribute can represent digital signatures by reference to a signature data block that is constructed in accordance to a digital signature standard, such as XML-DSIG, PKCS#7, PGP, etc.
  2. The legalAuthenticator, if present, SHALL contain exactly one [1..1] assignedEntity (CONF:1198-5585).
     1. This assignedEntity SHALL contain at least one [1..\*] id (CONF:1198-5586).
        1. Such ids MAY contain zero or one [0..1] @root="2.16.840.1.113883.4.6" National Provider Identifier (CONF:1198-16823).
     2. This assignedEntity MAY contain zero or one [0..1] code, which SHOULD be selected from ValueSet [Healthcare Provider Taxonomy](#Healthcare_Provider_Taxonomy) urn:oid:2.16.840.1.114222.4.11.1066 DYNAMIC (CONF:1198-17000).
     3. This assignedEntity SHALL contain at least one [1..\*] [US Realm Address (AD.US.FIELDED)](#U_US_Realm_Address_ADUSFIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2) (CONF:1198-5589).
     4. This assignedEntity SHALL contain at least one [1..\*] telecom (CONF:1198-5595).
        1. Such telecoms SHOULD contain zero or one [0..1] @use, which SHALL be selected from ValueSet [Telecom Use (US Realm Header)](#Telecom_Use_US_Realm_Header) urn:oid:2.16.840.1.113883.11.20.9.20 DYNAMIC (CONF:1198-7999).
     5. This assignedEntity SHALL contain exactly one [1..1] assignedPerson (CONF:1198-5597).
        1. This assignedPerson SHALL contain at least one [1..\*] [US Realm Person Name (PN.US.FIELDED)](#U_US_Realm_Person_Name_PNUSFIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1) (CONF:1198-5598).

authenticator

The authenticator identifies a participant or participants who attest to the accuracy of the information in the document.

1. MAY contain zero or more [0..\*] authenticator (CONF:1198-5607) such that it
   1. SHALL contain exactly one [1..1] [US Realm Date and Time (DTM.US.FIELDED)](#U_US_Realm_Date_and_Time_DTMUSFIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.4) (CONF:1198-5608).
   2. SHALL contain exactly one [1..1] signatureCode (CONF:1198-5610).
      1. This signatureCode SHALL contain exactly one [1..1] @code="S" (CodeSystem: HL7ParticipationSignature urn:oid:2.16.840.1.113883.5.89 STATIC) (CONF:1198-5611).

The sdtc:signatureText extension provides a location in CDA for a textual or multimedia depiction of the signature by which the participant endorses and accepts responsibility for his or her participation in the Act as specified in the Participation.typeCode. Details of what goes in the field are described in the HL7 CDA Digital Signature Standard balloted in Fall of 2013.

* 1. MAY contain zero or one [0..1] sdtc:signatureText (CONF:1198-30811).  
     Note: The signature can be represented either inline or by reference according to the ED data type. Typical cases for CDA are:  
     1) Electronic signature: this attribute can represent virtually any electronic signature scheme.  
     2) Digital signature: this attribute can represent digital signatures by reference to a signature data block that is constructed in accordance to a digital signature standard, such as XML-DSIG, PKCS#7, PGP, etc.
  2. SHALL contain exactly one [1..1] assignedEntity (CONF:1198-5612).
     1. This assignedEntity SHALL contain at least one [1..\*] id (CONF:1198-5613).
        1. Such ids SHOULD contain zero or one [0..1] @root="2.16.840.1.113883.4.6" National Provider Identifier  (CONF:1198-16824).
     2. This assignedEntity MAY contain zero or one [0..1] code (CONF:1198-16825).
        1. The code, if present, MAY contain zero or one [0..1] @code, which SHOULD be selected from ValueSet [Healthcare Provider Taxonomy](#Healthcare_Provider_Taxonomy) urn:oid:2.16.840.1.114222.4.11.1066 DYNAMIC (CONF:1198-16826).
     3. This assignedEntity SHALL contain at least one [1..\*] [US Realm Address (AD.US.FIELDED)](#U_US_Realm_Address_ADUSFIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2) (CONF:1198-5616).
     4. This assignedEntity SHALL contain at least one [1..\*] telecom (CONF:1198-5622).
        1. Such telecoms SHOULD contain zero or one [0..1] @use, which SHALL be selected from ValueSet [Telecom Use (US Realm Header)](#Telecom_Use_US_Realm_Header) urn:oid:2.16.840.1.113883.11.20.9.20 DYNAMIC (CONF:1198-8000).
     5. This assignedEntity SHALL contain exactly one [1..1] assignedPerson (CONF:1198-5624).
        1. This assignedPerson SHALL contain at least one [1..\*] [US Realm Person Name (PN.US.FIELDED)](#U_US_Realm_Person_Name_PNUSFIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1) (CONF:1198-5625).

participant

The participant element identifies supporting entities, including parents, relatives, caregivers, insurance policyholders, guarantors, and others related in some way to the patient.  
A supporting person or organization is an individual or an organization with a relationship to the patient. A supporting person who is playing multiple roles would be recorded in multiple participants (e.g., emergency contact and next-of-kin).

1. MAY contain zero or more [0..\*] participant (CONF:1198-10003) such that it
   1. MAY contain zero or one [0..1] time (CONF:1198-10004).
   2. SHALL contain associatedEntity/associatedPerson *AND/OR* associatedEntity/scopingOrganization (CONF:1198-10006).
   3. When participant/@typeCode is *IND*, associatedEntity/@classCode SHOULD be selected from ValueSet 2.16.840.1.113883.11.20.9.33 INDRoleclassCodes *DYNAMIC* (CONF:1198-10007).

inFulfillmentOf

The inFulfillmentOf element represents orders that are fulfilled by this document such as a radiologists’ report of an x-ray.

1. MAY contain zero or more [0..\*] inFulfillmentOf (CONF:1198-9952).
   1. The inFulfillmentOf, if present, SHALL contain exactly one [1..1] order (CONF:1198-9953).
      1. This order SHALL contain at least one [1..\*] id (CONF:1198-9954).

documentationOf

1. MAY contain zero or more [0..\*] documentationOf (CONF:1198-14835).

A serviceEvent represents the main act being documented, such as a colonoscopy or a cardiac stress study. In a provision of healthcare serviceEvent, the care providers, PCP, or other longitudinal providers, are recorded within the serviceEvent. If the document is about a single encounter, the providers associated can be recorded in the componentOf/encompassingEncounter template.

* 1. The documentationOf, if present, SHALL contain exactly one [1..1] serviceEvent (CONF:1198-14836).
     1. This serviceEvent SHALL contain exactly one [1..1] effectiveTime (CONF:1198-14837).
        1. This effectiveTime SHALL contain exactly one [1..1] low (CONF:1198-14838).

performer

The performer participant represents clinicians who actually and principally carry out the serviceEvent. In a transfer of care this represents the healthcare providers involved in the current or pertinent historical care of the patient. Preferably, the patient’s key healthcare care team members would be listed, particularly their primary physician and any active consulting physicians, therapists, and counselors.

* + 1. This serviceEvent SHOULD contain zero or more [0..\*] performer (CONF:1198-14839).
       1. The performer, if present, SHALL contain exactly one [1..1] @typeCode, which SHALL be selected from ValueSet [x\_ServiceEventPerformer](#x_ServiceEventPerformer) urn:oid:2.16.840.1.113883.1.11.19601 STATIC (CONF:1198-14840).
       2. The performer, if present, MAY contain zero or one [0..1] functionCode (CONF:1198-16818).
          1. The functionCode, if present, SHOULD contain zero or one [0..1] @code, which SHOULD be selected from ValueSet [Care Team Member Function](#Care_Team_Member_Function) urn:oid:2.16.840.1.113762.1.4.1099.30 DYNAMIC (CONF:1198-32889).
       3. The performer, if present, SHALL contain exactly one [1..1] assignedEntity (CONF:1198-14841).
          1. This assignedEntity SHALL contain at least one [1..\*] id (CONF:1198-14846).

Such ids SHOULD contain zero or one [0..1] @root="2.16.840.1.113883.4.6" National Provider Identifier (CONF:1198-14847).

* + - * 1. This assignedEntity SHOULD contain zero or one [0..1] code, which SHOULD be selected from ValueSet [Healthcare Provider Taxonomy](#Healthcare_Provider_Taxonomy) urn:oid:2.16.840.1.114222.4.11.1066 DYNAMIC (CONF:1198-14842).

authorization

The authorization element represents information about the patient’s consent.  
The type of consent is conveyed in consent/code. Consents in the header have been finalized (consent/statusCode must equal Completed) and should be on file. This specification does not address how 'Privacy Consent' is represented, but does not preclude the inclusion of ‘Privacy Consent’.  
The authorization consent is used for referring to consents that are documented elsewhere in the EHR or medical record for a health condition and/or treatment that is described in the CDA document.

1. MAY contain zero or more [0..\*] authorization (CONF:1198-16792) such that it
   1. SHALL contain exactly one [1..1] consent (CONF:1198-16793).
      1. This consent MAY contain zero or more [0..\*] id (CONF:1198-16794).
      2. This consent MAY contain zero or one [0..1] code (CONF:1198-16795).  
         Note: The type of consent (e.g., a consent to perform the related serviceEvent) is conveyed in consent/code.
      3. This consent SHALL contain exactly one [1..1] statusCode (CONF:1198-16797).
         1. This statusCode SHALL contain exactly one [1..1] @code="completed" Completed (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:1198-16798).

componentOf

The encompassing encounter represents the setting of the clinical encounter during which the document act(s) or ServiceEvent(s) occurred. In order to represent providers associated with a specific encounter, they are recorded within the encompassingEncounter as participants. In a CCD, the encompassingEncounter may be used when documenting a specific encounter and its participants. All relevant encounters in a CCD may be listed in the encounters section.

1. MAY contain zero or one [0..1] componentOf (CONF:1198-9955).
   1. The componentOf, if present, SHALL contain exactly one [1..1] encompassingEncounter (CONF:1198-9956).
      1. This encompassingEncounter SHALL contain at least one [1..\*] id (CONF:1198-9959).
      2. This encompassingEncounter SHALL contain exactly one [1..1] effectiveTime (CONF:1198-9958).

Table 3: Race Value Set

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: Race Value Set urn:oid:2.16.840.1.113883.1.11.14914  (Clinical Focus: All concepts that can describe a person's "race" as defined by the United States Bureau of Census),(Data Element Scope: Personal Demographic information, can be multiple.),(Inclusion Criteria: All descendant concepts from the concept "1000-9 Race", excluding that root concept, as derived from the Race and Ethnicity - CDC code system.),(Exclusion Criteria: Concepts that are not a descendant of "Race", therefore, no concepts descendant from "2133-7 Ethnicity". Also the root concept "Race".)  This value set was imported on 6/29/2019 with a version of 20190522.  Value Set Source: <https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.14914/expansion> | | | |
| Code | Code System | Code System OID | Print Name |
| 1002-5 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | American Indian or Alaska Native |
| 1004-1 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | American Indian |
| 1006-6 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | Abenaki |
| 1008-2 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | Algonquian |
| 1010-8 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | Apache |
| 1011-6 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | Chiricahua |
| 1012-4 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | Fort Sill Apache |
| 1013-2 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | Jicarilla Apache |
| 1014-0 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | Lipan Apache |
| 1015-7 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | Mescalero Apache |
| ... | | | |

Table 4: HL7 BasicConfidentialityKind

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: HL7 BasicConfidentialityKind urn:oid:2.16.840.1.113883.1.11.16926  (Clinical Focus: Commonly used confidentiality constraints placed upon clinical documents),(Data Element Scope: ),(Inclusion Criteria: ),(Exclusion Criteria: )  This value set was imported on 6/25/2019 with a version of 20190425.  Value Set Source: <https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.16926/expansion> | | | |
| Code | Code System | Code System OID | Print Name |
| N | HL7Confidentiality | urn:oid:2.16.840.1.113883.5.25 | normal |
| R | HL7Confidentiality | urn:oid:2.16.840.1.113883.5.25 | restricted |
| V | HL7Confidentiality | urn:oid:2.16.840.1.113883.5.25 | very restricted |

Table 5: Language

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: Language urn:oid:2.16.840.1.113883.1.11.11526  A value set of codes defined by Internet RFC 5646.   Use 2 character code if one exists. Use 3 character code if a 2 character code does not exist. Including type = region is allowed  See http://www.iana.org/assignments/language-subtag-registry/language-subtag-registry  Value Set Source: <http://www.loc.gov/standards/iso639-2/php/code_list.php> | | | |
| Code | Code System | Code System OID | Print Name |
| aa | Language | urn:oid:2.16.840.1.113883.6.121 | Afar |
| ab | Language | urn:oid:2.16.840.1.113883.6.121 | Abkhazian |
| ace | Language | urn:oid:2.16.840.1.113883.6.121 | Achinese |
| ach | Language | urn:oid:2.16.840.1.113883.6.121 | Acoli |
| ada | Language | urn:oid:2.16.840.1.113883.6.121 | Adangme |
| ady | Language | urn:oid:2.16.840.1.113883.6.121 | Adyghe; Adygei |
| ae | Language | urn:oid:2.16.840.1.113883.6.121 | Avestan |
| af | Language | urn:oid:2.16.840.1.113883.6.121 | Afrikaans |
| afa | Language | urn:oid:2.16.840.1.113883.6.121 | Afro-Asiatic (Other) |
| afh | Language | urn:oid:2.16.840.1.113883.6.121 | Afrihili |
| ... | | | |

Table 6: Telecom Use (US Realm Header)

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: Telecom Use (US Realm Header) urn:oid:2.16.840.1.113883.11.20.9.20  (Clinical Focus: The purpose for which an entity is assigned a telecom address),(Data Element Scope: ),(Inclusion Criteria: ),(Exclusion Criteria: )  This value set was imported on 5/27/2022 with a version of Latest.  Value Set Source: <https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.20/expansion> | | | |
| Code | Code System | Code System OID | Print Name |
| AS | HL7AddressUse | urn:oid:2.16.840.1.113883.5.1119 | answering service |
| EC | HL7AddressUse | urn:oid:2.16.840.1.113883.5.1119 | emergency contact |
| HP | HL7AddressUse | urn:oid:2.16.840.1.113883.5.1119 | primary home |
| HV | HL7AddressUse | urn:oid:2.16.840.1.113883.5.1119 | vacation home |
| MC | HL7AddressUse | urn:oid:2.16.840.1.113883.5.1119 | mobile contact) |
| PG | HL7AddressUse | urn:oid:2.16.840.1.113883.5.1119 | pager |
| WP | HL7AddressUse | urn:oid:2.16.840.1.113883.5.1119 | work place |

Table 7: Administrative Gender (HL7 V3)

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: Administrative Gender (HL7 V3) urn:oid:2.16.840.1.113883.1.11.1  (Clinical Focus: The gender of a person used for adminstrative purposes (as opposed to clinical gender)),(Data Element Scope: ),(Inclusion Criteria: All codes in the Hl7 V3 AdministrativeGender code system),(Exclusion Criteria: )  This value set was imported on 9/29/2020 with a version of Latest.  Value Set Source: <https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.1/expansion> | | | |
| Code | Code System | Code System OID | Print Name |
| F | Administrative Gender | urn:oid:2.16.840.1.113883.5.1 | Female |
| M | Administrative Gender | urn:oid:2.16.840.1.113883.5.1 | Male |
| UN | Administrative Gender | urn:oid:2.16.840.1.113883.5.1 | Undifferentiated |

Table 8: Marital Status

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: Marital Status urn:oid:2.16.840.1.113883.1.11.12212  (Clinical Focus: The domestic partnership status of a person.),(Data Element Scope: Marital Status),(Inclusion Criteria: All codes in the HL7 MaritalStatus code system),(Exclusion Criteria: Any non-selectable codes)  This value set was imported on 6/25/2019 with a version of 20190517.  Value Set Source: <https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.12212/expansion> | | | |
| Code | Code System | Code System OID | Print Name |
| A | HL7MaritalStatus | urn:oid:2.16.840.1.113883.5.2 | Annulled |
| C | HL7MaritalStatus | urn:oid:2.16.840.1.113883.5.2 | Common Law |
| D | HL7MaritalStatus | urn:oid:2.16.840.1.113883.5.2 | Divorced |
| I | HL7MaritalStatus | urn:oid:2.16.840.1.113883.5.2 | Interlocutory |
| L | HL7MaritalStatus | urn:oid:2.16.840.1.113883.5.2 | Legally Separated |
| M | HL7MaritalStatus | urn:oid:2.16.840.1.113883.5.2 | Married |
| P | HL7MaritalStatus | urn:oid:2.16.840.1.113883.5.2 | Polygamous |
| S | HL7MaritalStatus | urn:oid:2.16.840.1.113883.5.2 | Never Married |
| T | HL7MaritalStatus | urn:oid:2.16.840.1.113883.5.2 | Domestic partner |
| U | HL7MaritalStatus | urn:oid:2.16.840.1.113883.5.2 | unmarried |
| ... | | | |

Table 9: Religious Affiliation

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: Religious Affiliation urn:oid:2.16.840.1.113883.1.11.19185  (Clinical Focus: A person's faith affiliation),(Data Element Scope: ),(Inclusion Criteria: All codes in the HL7 ReligiousAffiliation code system),(Exclusion Criteria: )  This value set was imported on 6/29/2019 with a version of 20190425.  Value Set Source: <https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.19185/expansion> | | | |
| Code | Code System | Code System OID | Print Name |
| 1001 | HL7ReligiousAffiliation | urn:oid:2.16.840.1.113883.5.1076 | Adventist |
| 1002 | HL7ReligiousAffiliation | urn:oid:2.16.840.1.113883.5.1076 | African Religions |
| 1003 | HL7ReligiousAffiliation | urn:oid:2.16.840.1.113883.5.1076 | Afro-Caribbean Religions |
| 1004 | HL7ReligiousAffiliation | urn:oid:2.16.840.1.113883.5.1076 | Agnosticism |
| 1005 | HL7ReligiousAffiliation | urn:oid:2.16.840.1.113883.5.1076 | Anglican |
| 1006 | HL7ReligiousAffiliation | urn:oid:2.16.840.1.113883.5.1076 | Animism |
| 1007 | HL7ReligiousAffiliation | urn:oid:2.16.840.1.113883.5.1076 | Atheism |
| 1008 | HL7ReligiousAffiliation | urn:oid:2.16.840.1.113883.5.1076 | Babi & Baha'I faiths |
| 1009 | HL7ReligiousAffiliation | urn:oid:2.16.840.1.113883.5.1076 | Baptist |
| 1010 | HL7ReligiousAffiliation | urn:oid:2.16.840.1.113883.5.1076 | Bon |
| ... | | | |

Table 10: Race Category Excluding Nulls

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: Race Category Excluding Nulls urn:oid:2.16.840.1.113883.3.2074.1.1.3  (Clinical Focus: The top-level "Race" concepts as defined by US Office of Management and Budget (OMB), excluding "Other race". All "Race" concepts in the Race and Ethnicity - CDC code system roll-up to one of these codes.),(Data Element Scope: Demographic categorization of a person's race (can be multiple).),(Inclusion Criteria: Direct children of the "1000-9 Race" concept in the Race and Ethnicity Code system.),(Exclusion Criteria: Specifically exclude "2131-1 Other Race" and any descendant of the concepts defined in the inclusion criteria.)  This value set was imported on 6/18/2020 with a version of Latest.  Value Set Source: <https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.2074.1.1.3/expansion> | | | |
| Code | Code System | Code System OID | Print Name |
| 1002-5 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | American Indian or Alaska Native |
| 2028-9 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | Asian |
| 2054-5 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | Black or African American |
| 2076-8 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | Native Hawaiian or Other Pacific Islander |
| 2106-3 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | White |

Table 11: Ethnicity

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: Ethnicity urn:oid:2.16.840.1.114222.4.11.837  (Clinical Focus: ),(Data Element Scope: ),(Inclusion Criteria: ),(Exclusion Criteria: )  This value set was imported on 10/14/2020 with a version of Latest.  Value Set Source: <https://vsac.nlm.nih.gov/valueset/2.16.840.1.114222.4.11.837/expansion> | | | |
| Code | Code System | Code System OID | Print Name |
| 2135-2 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | Hispanic or Latino |
| 2186-5 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | Not Hispanic or Latino |

Table 12: Personal And Legal Relationship Role Type

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: Personal And Legal Relationship Role Type urn:oid:2.16.840.1.113883.11.20.12.1  (Clinical Focus: A personal or legal relationship records the role of a person in relation to another person, or a person to himself or herself. This value set is to be used when recording relationships based on personal or family ties or through legal assignment of responsibility.),(Data Element Scope: C-CDA v2.1 Any person role such as Guardian and associatedEntity. Many @code references.),(Inclusion Criteria: Union of: (Descendants of \_PersonalRelationshipRoleType  OR Descendants of RESPRSN)),(Exclusion Criteria: not in the inclusion criteria)  This value set was imported on 8/29/2022 with a version of Latest.  Value Set Source: <https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.12.1/expansion> | | | |
| Code | Code System | Code System OID | Print Name |
| ADOPTF | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | adoptive father |
| ADOPTM | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | adoptive mother |
| ADOPTP | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | adoptive parent |
| AUNT | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | aunt |
| BRO | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | brother |
| BROINLAW | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | brother-in-law |
| CHILD | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | child |
| CHLDADOPT | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | adopted child |
| CHLDFOST | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | foster child |
| CHLDINLAW | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | child-in-law |
| ... | | | |

Table 13: Country

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: Country urn:oid:2.16.840.1.113883.3.88.12.80.63  This identifies the codes for the representation of names of countries, territories and areas of geographical interest. Contains the ISO 3166-1 code elements available in the alpha-2 code of ISOs country code standard.  Value Set Source: <http://hl7.org/fhir/ValueSet/iso3166-1-2> | | | |
| Code | Code System | Code System OID | Print Name |
| AD | ISO 3166 Part 1 Country Codes, 2nd Edition, Alpha-2 | urn:oid:1.0.3166.1.2.2 | Andorra |
| AE | ISO 3166 Part 1 Country Codes, 2nd Edition, Alpha-2 | urn:oid:1.0.3166.1.2.2 | United Arab Emirates |
| AF | ISO 3166 Part 1 Country Codes, 2nd Edition, Alpha-2 | urn:oid:1.0.3166.1.2.2 | Afghanistan |
| AG | ISO 3166 Part 1 Country Codes, 2nd Edition, Alpha-2 | urn:oid:1.0.3166.1.2.2 | Antigua and Barbuda |
| AI | ISO 3166 Part 1 Country Codes, 2nd Edition, Alpha-2 | urn:oid:1.0.3166.1.2.2 | Anguilla |
| AL | ISO 3166 Part 1 Country Codes, 2nd Edition, Alpha-2 | urn:oid:1.0.3166.1.2.2 | Albania |
| AM | ISO 3166 Part 1 Country Codes, 2nd Edition, Alpha-2 | urn:oid:1.0.3166.1.2.2 | Armenia |
| AO | ISO 3166 Part 1 Country Codes, 2nd Edition, Alpha-2 | urn:oid:1.0.3166.1.2.2 | Angola |
| AQ | ISO 3166 Part 1 Country Codes, 2nd Edition, Alpha-2 | urn:oid:1.0.3166.1.2.2 | Antarctica |
| AR | ISO 3166 Part 1 Country Codes, 2nd Edition, Alpha-2 | urn:oid:1.0.3166.1.2.2 | Argentina |
| ... | | | |

Table 14: LanguageAbilityMode

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: LanguageAbilityMode urn:oid:2.16.840.1.113883.1.11.12249  (Clinical Focus: Channels for expressing and receiving human language),(Data Element Scope: ),(Inclusion Criteria: ),(Exclusion Criteria: )  This value set was imported on 6/25/2019 with a version of 20190425.  Value Set Source: <https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.12249/expansion> | | | |
| Code | Code System | Code System OID | Print Name |
| ESGN | HL7LanguageAbilityMode | urn:oid:2.16.840.1.113883.5.60 | Expressed signed |
| ESP | HL7LanguageAbilityMode | urn:oid:2.16.840.1.113883.5.60 | Expressed spoken |
| EWR | HL7LanguageAbilityMode | urn:oid:2.16.840.1.113883.5.60 | Expressed written |
| RSGN | HL7LanguageAbilityMode | urn:oid:2.16.840.1.113883.5.60 | Received signed |
| RSP | HL7LanguageAbilityMode | urn:oid:2.16.840.1.113883.5.60 | Received spoken |
| RWR | HL7LanguageAbilityMode | urn:oid:2.16.840.1.113883.5.60 | Received written |

Table 15: LanguageAbilityProficiency

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: LanguageAbilityProficiency urn:oid:2.16.840.1.113883.1.11.12199  (Clinical Focus: A person's level of proficiency in a language),(Data Element Scope: ),(Inclusion Criteria: ),(Exclusion Criteria: )  This value set was imported on 6/25/2019 with a version of 20190425.  Value Set Source: <https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.12199/expansion> | | | |
| Code | Code System | Code System OID | Print Name |
| E | HL7LanguageAbilityProficiency | urn:oid:2.16.840.1.113883.5.61 | Excellent |
| F | HL7LanguageAbilityProficiency | urn:oid:2.16.840.1.113883.5.61 | Fair |
| G | HL7LanguageAbilityProficiency | urn:oid:2.16.840.1.113883.5.61 | Good |
| P | HL7LanguageAbilityProficiency | urn:oid:2.16.840.1.113883.5.61 | Poor |

Table 16: Detailed Ethnicity

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: Detailed Ethnicity urn:oid:2.16.840.1.114222.4.11.877  (Clinical Focus: All concepts that can describe a person's "ethnicity" as defined by the United States Bureau of Census. This includes the US Office of Management and Budget (OMB) two top-level ethnicity categories, plus all the more detailed descendant ethnicity concepts used by the US Bureau of Census.),(Data Element Scope: Personal Demographic information, can be multiple.),(Inclusion Criteria: All descendant concepts from the concept "2133-7 Ethnicity", excluding that root concept, as derived from the Race and Ethnicity - CDC code system.),(Exclusion Criteria: Concepts that are not a descendant of "2133-7 Ethnicity", therefore, no concepts descendant from "1000-9 Race". Also the root concept "Ethnicity".)  This value set was imported on 6/24/2019 with a version of 20190518.  Value Set Source: <https://vsac.nlm.nih.gov/valueset/2.16.840.1.114222.4.11.877/expansion> | | | |
| Code | Code System | Code System OID | Print Name |
| 2137-8 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | Spaniard |
| 2138-6 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | Andalusian |
| 2139-4 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | Asturian |
| 2140-2 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | Castillian |
| 2141-0 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | Catalonian |
| 2142-8 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | Belearic Islander |
| 2143-6 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | Gallego |
| 2144-4 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | Valencian |
| 2145-1 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | Canarian |
| 2146-9 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | Spanish Basque |
| ... | | | |

Table 17: Healthcare Provider Taxonomy

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: Healthcare Provider Taxonomy urn:oid:2.16.840.1.114222.4.11.1066  (Clinical Focus: Represent the "type" of health care provider individual or organization using the National Uniform Claims Committee (NUCC) code system),(Data Element Scope: The assignedEntity attribute),(Inclusion Criteria: All codes in the NUCC Provider Taxonomy code system),(Exclusion Criteria: None)  This value set was imported on 6/24/2019 with a version of 20190521.  Value Set Source: <https://vsac.nlm.nih.gov/valueset/2.16.840.1.114222.4.11.1066/expansion> | | | |
| Code | Code System | Code System OID | Print Name |
| 10 | Healthcare Provider Taxonomy (HIPAA) | urn:oid:2.16.840.1.113883.6.101 | Provider has a medical condition that impairs or limits him/her to practice |
| 101Y00000X | Healthcare Provider Taxonomy (HIPAA) | urn:oid:2.16.840.1.113883.6.101 | Behavioral Health & Social Service Providers; Counselor |
| 101YA0400X | Healthcare Provider Taxonomy (HIPAA) | urn:oid:2.16.840.1.113883.6.101 | Behavioral Health & Social Service Providers; Counselor, Addiction (Substance Use Disorder) |
| 101YM0800X | Healthcare Provider Taxonomy (HIPAA) | urn:oid:2.16.840.1.113883.6.101 | Behavioral Health & Social Service Providers; Counselor, Mental Health |
| 101YP1600X | Healthcare Provider Taxonomy (HIPAA) | urn:oid:2.16.840.1.113883.6.101 | Behavioral Health & Social Service Providers; Counselor, Pastoral |
| 101YP2500X | Healthcare Provider Taxonomy (HIPAA) | urn:oid:2.16.840.1.113883.6.101 | Behavioral Health & Social Service Providers; Counselor, Professional |
| 101YS0200X | Healthcare Provider Taxonomy (HIPAA) | urn:oid:2.16.840.1.113883.6.101 | Behavioral Health & Social Service Providers; Counselor, School |
| 102L00000X | Healthcare Provider Taxonomy (HIPAA) | urn:oid:2.16.840.1.113883.6.101 | Behavioral Health & Social Service Providers; Psychoanalyst |
| 102X00000X | Healthcare Provider Taxonomy (HIPAA) | urn:oid:2.16.840.1.113883.6.101 | Behavioral Health & Social Service Providers; Poetry Therapist |
| 103G00000X | Healthcare Provider Taxonomy (HIPAA) | urn:oid:2.16.840.1.113883.6.101 | Behavioral Health & Social Service Providers; Clinical Neuropsychologist |
| ... | | | |

Table 18: INDRoleclassCodes

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: INDRoleclassCodes urn:oid:2.16.840.1.113883.11.20.9.33  Value Set Source: <https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.33/expansion> | | | |
| Code | Code System | Code System OID | Print Name |
| PRS | HL7RoleClass | urn:oid:2.16.840.1.113883.5.110 | personal relationship |
| NOK | HL7RoleClass | urn:oid:2.16.840.1.113883.5.110 | next of kin |
| CAREGIVER | HL7RoleClass | urn:oid:2.16.840.1.113883.5.110 | caregiver |
| AGNT | HL7RoleClass | urn:oid:2.16.840.1.113883.5.110 | agent |
| GUAR | HL7RoleClass | urn:oid:2.16.840.1.113883.5.110 | guarantor |
| ECON | HL7RoleClass | urn:oid:2.16.840.1.113883.5.110 | emergency contact |

Table 19: x\_ServiceEventPerformer

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: x\_ServiceEventPerformer urn:oid:2.16.840.1.113883.1.11.19601  (Clinical Focus: Characterize the degree of responsibility of the event performer),(Data Element Scope: Performer type code per C-CDA r2.1 CONF:1198- 14840),(Inclusion Criteria: only selected codes),(Exclusion Criteria: only selected codes)  This value set was imported on 5/27/2022 with a version of Latest.  Value Set Source: <https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.19601/expansion> | | | |
| Code | Code System | Code System OID | Print Name |
| PPRF | HL7ParticipationType | urn:oid:2.16.840.1.113883.5.90 | primary performer |
| PRF | HL7ParticipationType | urn:oid:2.16.840.1.113883.5.90 | performer |
| SPRF | HL7ParticipationType | urn:oid:2.16.840.1.113883.5.90 | secondary performer |

Table 20: Care Team Member Function

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: Care Team Member Function urn:oid:2.16.840.1.113762.1.4.1099.30  (Clinical Focus: This set of concepts describes the function performed on a patient-centered care team. This value set contains concepts that describe a functional role played by a member of a care team on a particular care team.),(Data Element Scope: A functional role on a patient's care team.),(Inclusion Criteria: The set of commonly played roles on a patient-centered care team.),(Exclusion Criteria: Functional roles on care teams that are not patient-centered. For example, hospital's may define teams of practitioners who fill roles that are relevant to the function of the hospital's operation. These roles would not be included when they are not roles that would be played on a patient-centered care team.)  This value set was imported on 8/29/2022 with a version of Latest.  Value Set Source: <https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1099.30/expansion> | | | |
| Code | Code System | Code System OID | Print Name |
| 106289002 | SNOMED CT | urn:oid:2.16.840.1.113883.6.96 | Dentist (occupation) |
| 106291005 | SNOMED CT | urn:oid:2.16.840.1.113883.6.96 | Dietician/public health nutritionist (occupation) |
| 106292003 | SNOMED CT | urn:oid:2.16.840.1.113883.6.96 | Professional nurse (occupation) |
| 106293008 | SNOMED CT | urn:oid:2.16.840.1.113883.6.96 | Nursing personnel (occupation) |
| 106294002 | SNOMED CT | urn:oid:2.16.840.1.113883.6.96 | Midwifery personnel (occupation) |
| 106296000 | SNOMED CT | urn:oid:2.16.840.1.113883.6.96 | Physiotherapist/occupational therapist (occupation) |
| 106310008 | SNOMED CT | urn:oid:2.16.840.1.113883.6.96 | Worker in religion (occupation) |
| 106311007 | SNOMED CT | urn:oid:2.16.840.1.113883.6.96 | Minister of religion/related member of religious order (occupation) |
| 106330007 | SNOMED CT | urn:oid:2.16.840.1.113883.6.96 | Philologist, translator/interpreter (occupation) |
| 11015003 | SNOMED CT | urn:oid:2.16.840.1.113883.6.96 | Minister of religion (occupation) |
| ... | | | |

Figure 1: US Realm Header (V3) Example

<ClinicalDocument>

<realmCode code="US" />

<typeId extension="POCD\_HD000040" root="2.16.840.1.113883.1.3" />

<!-- CCD template -->

<templateId root="2.16.840.1.113883.10.20.22.1.1" extension="2015-08-01" />

<!-- Globally unique identifier for the document -->

<id extension="TT988" root="2.16.840.1.113883.19.5.99999.1" />

<code code="34133-9" displayName="Summarization of Episode Note" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" />

<!-- Title of the document -->

<title>Patient Chart Summary</title>

<effectiveTime value="201209151030-0800" />

<confidentialityCode code="N" displayName="normal" codeSystem="2.16.840.1.113883.5.25" codeSystemName="Confidentiality" />

<languageCode code="en-US" />

<setId extension="sTT988" root="2.16.840.1.113883.19.5.99999.19" />

<!-- Version of the document -->

<versionNumber value="1" />

. . .

</ClinicalDocument>

Figure 2: recordTarget Example

<recordTarget>

<patientRole>

<id extension="444-22-2222" root="2.16.840.1.113883.4.1" />

<!-- Example Social Security Number using the actual SSN OID. -->

<addr use="HP">

<!-- HP is "primary home" from codeSystem 2.16.840.1.113883.5.1119 -->

<streetAddressLine>2222 Home Street</streetAddressLine>

<city>Beaverton</city>

<state>OR</state>

<postalCode>97867</postalCode>

<country>US</country>

<!-- US is "United States" from ISO 3166-1 Country Codes: 1.0.3166.1 -->

</addr>

<telecom value="tel:+1(555)555-2003" use="HP" />

<!-- HP is "primary home" from HL7 AddressUse 2.16.840.1.113883.5.1119 -->

<patient>

<!-- The first name element represents what the patient is known as -->

<name use="L">

<given>Eve</given>

<!-- The "SP" is "Spouse" from

HL7 Code System EntityNamePartQualifier 2.16.840.1.113883.5.43 -->

<family qualifier="SP">Betterhalf</family>

</name>

<!-- The second name element represents another name

associated with the patient -->

<name>

<given>Eve</given>

<!-- The "BR" is "Birth" from

HL7 Code System EntityNamePartQualifier 2.16.840.1.113883.5.43 -->

<family qualifier="BR">Everywoman</family>

</name>

<administrativeGenderCode code="F" displayName="Female" codeSystem="2.16.840.1.113883.5.1" codeSystemName="AdministrativeGender" />

<!-- Date of birth need only be precise to the day -->

<birthTime value="19750501" />

<maritalStatusCode code="M" displayName="Married" codeSystem="2.16.840.1.113883.5.2" codeSystemName="MaritalStatusCode" />

<religiousAffiliationCode code="1013" displayName="Christian (non-Catholic, non-specific)" codeSystem="2.16.840.1.113883.5.1076" codeSystemName="HL7 Religious Affiliation" />

<!-- CDC Race and Ethnicity code set contains the five minimum

race and ethnicity categories defined by OMB Standards -->

<raceCode code="2106-3" displayName="White" codeSystem="2.16.840.1.113883.6.238" codeSystemName="Race & Ethnicity - CDC" />

<!-- The raceCode extension is only used if raceCode is valued -->

<sdtc:raceCode code="2076-8" displayName="Hawaiian or Other Pacific Islander" codeSystem="2.16.840.1.113883.6.238" codeSystemName="Race & Ethnicity - CDC" />

<ethnicGroupCode code="2186-5" displayName="Not Hispanic or Latino" codeSystem="2.16.840.1.113883.6.238" codeSystemName="Race & Ethnicity - CDC" />

<guardian>

<code code="POWATT" displayName="Power of Attorney" codeSystem="2.16.840.1.113883.1.11.19830" codeSystemName="ResponsibleParty" />

<addr use="HP">

<streetAddressLine>2222 Home Street</streetAddressLine>

<city>Beaverton</city>

<state>OR</state>

<postalCode>97867</postalCode>

<country>US</country>

</addr>

<telecom value="tel:+1(555)555-2008" use="MC" />

<guardianPerson>

<name>

<given>Boris</given>

<given qualifier="CL">Bo</given>

<family>Betterhalf</family>

</name>

</guardianPerson>

</guardian>

<birthplace>

<place>

<addr>

<streetAddressLine>4444 Home Street</streetAddressLine>

<city>Beaverton</city>

<state>OR</state>

<postalCode>97867</postalCode>

<country>US</country>

</addr>

</place>

</birthplace>

<languageCommunication>

<languageCode code="eng" />

<!-- "eng" is ISO 639-2 alpha-3 code for "English" -->

<modeCode code="ESP" displayName="Expressed spoken" codeSystem="2.16.840.1.113883.5.60" codeSystemName="LanguageAbilityMode" />

<proficiencyLevelCode code="G" displayName="Good" codeSystem="2.16.840.1.113883.5.61" codeSystemName="LanguageAbilityProficiency" />

<!-- Patient's preferred language -->

<preferenceInd value="true" />

</languageCommunication>

</patient>

<providerOrganization>

<id extension="219BX" root="1.1.1.1.1.1.1.1.2" />

<name>The DoctorsTogether Physician Group</name>

<telecom use="WP" value="tel: +(555)-555-5000" />

<addr>

<streetAddressLine>1007 Health Drive</streetAddressLine>

<city>Portland</city>

<state>OR</state>

<postalCode>99123</postalCode>

<country>US</country>

</addr>

</providerOrganization>

</patientRole>

</recordTarget>

Figure 3: author Example

<author>

<time value="201209151030-0800" />

<assignedAuthor>

<id extension="5555555555" root="2.16.840.1.113883.4.6" />

<code code="163W00000X" displayName="Registered nurse" codeSystem="2.16.840.1.113883.5.53" codeSystemName="Health Care Provider Taxonomy" />

<addr>

<streetAddressLine>1004 Healthcare Drive </streetAddressLine>

<city>Portland</city>

<state>OR</state>

<postalCode>99123</postalCode>

<country>US</country>

</addr>

<telecom use="WP" value="tel:+1(555)555-1004" />

<assignedPerson>

<name>

<given>Patricia</given>

<given qualifier="CL">Patty</given>

<family>Primary</family>

<suffix qualifier="AC">M.D.</suffix>

</name>

</assignedPerson>

</assignedAuthor>

</author>

Figure 4: dateEnterer Example

<dataEnterer>

<assignedEntity>

<id extension="333777777" root="2.16.840.1.113883.4.6" />

<addr>

<streetAddressLine>1007 Healthcare Drive</streetAddressLine>

<city>Portland</city>

<state>OR</state>

<postalCode>99123</postalCode>

<country>US</country>

</addr>

<telecom use="WP" value="tel:+1(555)555-1050" />

<assignedPerson>

<name>

<given>Ellen</given>

<family>Enter</family>

</name>

</assignedPerson>

</assignedEntity>

</dataEnterer>

Figure 5: Assigned Health Care Provider informant Example

<informant>

<assignedEntity>

<id extension="888888888" root="1.1.1.1.1.1.1.3" />

<addr>

<streetAddressLine>1007 Healthcare Drive</streetAddressLine>

<city>Portland</city>

<state>OR</state>

<postalCode>99123</postalCode>

<country>US</country>

</addr>

<telecom use="WP" value="tel:+1(555)555-1003" />

<assignedPerson>

<name>

<given>Harold</given>

<family>Hippocrates</family>

<suffix qualifier="AC">M.D.</suffix>

</name>

</assignedPerson>

<representedOrganization>

<name>The DoctorsApart Physician Group</name>

</representedOrganization>

</assignedEntity>

</informant>

Figure 6: Personal Relation informant Example

<informant>

<relatedEntity classCode="PRS">

<!-- classCode "PRS" represents a person with personal relationship with the patient -->

<code code="SPS" displayName="SPOUSE" codeSystem="2.16.840.1.113883.1.11.19563" codeSystemName="Personal Relationship Role Type Value Set" />

<relatedPerson>

<name>

<given>Boris</given>

<given qualifier="CL">Bo</given>

<family>Betterhalf</family>

</name>

</relatedPerson>

</relatedEntity>

</informant>

Figure 7: custodian Example

<custodian>

<assignedCustodian>

<representedCustodianOrganization>

<id extension="321CX" root="1.1.1.1.1.1.1.1.3" />

<name>Good Health HIE</name>

<telecom use="WP" value="tel:+1(555)555-1009" />

<addr use="WP">

<streetAddressLine>1009 Healthcare Drive </streetAddressLine>

<city>Portland</city>

<state>OR</state>

<postalCode>99123</postalCode>

<country>US</country>

</addr>

</representedCustodianOrganization>

</assignedCustodian>

</custodian>

Figure 8: informationRecipient Example

<informationRecipient>

<intendedRecipient>

<informationRecipient>

<name>

<given>Sara</given>

<family>Specialize</family>

<suffix qualifier="AC">M.D.</suffix>

</name>

</informationRecipient>

<receivedOrganization>

<name>The DoctorsApart Physician Group</name>

</receivedOrganization>

</intendedRecipient>

</informationRecipient>

Figure 9: Digital signature Example

<sdtc:signatureText mediaType="text/xml" representation="B64">omSJUEdmde9j44zmMiromSJUEdmde9j44zmMirdMDSsWdIJdksIJR3373jeu83

6edjzMMIjdMDSsWdIJdksIJR3373jeu83MNYD83jmMdomSJUEdmde9j44zmMir

... MNYD83jmMdomSJUEdmde9j44zmMir6edjzMMIjdMDSsWdIJdksIJR3373jeu83

4zmMir6edjzMMIjdMDSsWdIJdksIJR3373jeu83==</sdtc:signatureText>

Figure 10: legalAuthenticator Example

<legalAuthenticator>

<time value="20120915223615-0800" />

<signatureCode code="S" />

<assignedEntity>

<id extension="5555555555" root="2.16.840.1.113883.4.6" />

<code code="207QA0505X" displayName="Adult Medicine" codeSystem="2.16.840.1.113883.5.53" codeSystemName="Health Care Provider Taxonomy" />

<addr>

<streetAddressLine>1004 Healthcare Drive </streetAddressLine>

<city>Portland</city>

<state>OR</state>

<postalCode>99123</postalCode>

<country>US</country>

</addr>

<telecom use="WP" value="tel:+1(555)555-1004" />

<assignedPerson>

<name>

<given>Patricia</given>

<given qualifier="CL">Patty</given>

<family>Primary</family>

<suffix qualifier="AC">M.D.</suffix>

</name>

</assignedPerson>

</assignedEntity>

</legalAuthenticator>

Figure 11: authenticator Example

<authenticator>

<time value="201209151030-0800" />

<signatureCode code="S" />

<assignedEntity>

<id extension="5555555555" root="2.16.840.1.113883.4.6" />

<code code="207QA0505X" displayName="Adult Medicine" codeSystem="2.16.840.1.113883.5.53" codeSystemName="Health Care Provider Taxonomy" />

<addr>

<streetAddressLine>1004 Healthcare Drive</streetAddressLine>

<city>Portland</city>

<state>OR</state>

<postalCode>99123</postalCode>

<country>US</country>

</addr>

<telecom use="WP" value="tel:+1(555)555-1004" />

<assignedPerson>

<name>

<given>Patricia</given>

<given qualifier="CL">Patty</given>

<family>Primary</family>

<suffix qualifier="AC">M.D.</suffix>

</name>

</assignedPerson>

</assignedEntity>

</authenticator>

Figure 12: Supporting Person participant Example

<participant typeCode="IND">

<!-- typeCode "IND" represents an individual -->

<associatedEntity classCode="NOK">

<!-- classCode "NOK" represents the patient's next of kin-->

<addr use="HP">

<streetAddressLine>2222 Home Street</streetAddressLine>

<city>Beaverton</city>

<state>OR</state>

<postalCode>97867</postalCode>

<country>US</country>

</addr>

<telecom value="tel:+1(555)555-2008" use="MC" />

<associatedPerson>

<name>

<given>Boris</given>

<given qualifier="CL">Bo</given>

<family>Betterhalf</family>

</name>

</associatedPerson>

</associatedEntity>

</participant>

<!-- Entities playing multiple roles are recorded in multiple participants -->

<participant typeCode="IND">

<associatedEntity classCode="ECON">

<!-- classCode "ECON" represents an emergency contact -->

<addr use="HP">

<streetAddressLine>2222 Home Street</streetAddressLine>

<city>Beaverton</city>

<state>OR</state>

<postalCode>97867</postalCode>

<country>US</country>

</addr>

<telecom value="tel:+1(555)555-2008" use="MC" />

<associatedPerson>

<name>

<given>Boris</given>

<given qualifier="CL">Bo</given>

<family>Betterhalf</family>

</name>

</associatedPerson>

</associatedEntity>

</participant>

Figure 13: inFulfillmentOf Example

<inFulfillmentOf typeCode="FLFS">

<order classCode="ACT" moodCode="RQO">

<id root="629deb70-5306-11df-9879-0800200c9a66" extension="1298989898" />

<code code="1011220" displayName="Clinical pathology consultation" codeSystem="2.16.840.1.113883.6.12" codeSystemName="CPT />

</order>

</inFulfillmentOf>

Figure 14: performer Example

<performer typeCode="PRF">

<functionCode code="PCP"

displayName="Primary Care Provider"

codeSystem="2.16.840.1.113883.5.88"

codeSystemName="ParticipationFunction">

<originalText>Primary Care Provider</originalText>

</functionCode>

<assignedEntity>

<id extension="5555555555" root="2.16.840.1.113883.4.6" />

<code code="207QA0505X" displayName="Adult Medicine" codeSystem="2.16.840.1.113883.5.53" codeSystemName="Health Care Provider Taxonomy" />

<addr>

<streetAddressLine>1004 Healthcare Drive </streetAddressLine>

<city>Portland</city>

<state>OR</state>

<postalCode>99123</postalCode>

<country>US</country>

</addr>

<telecom use="WP" value="tel:+1(555)555-1004" />

<assignedPerson>

<name>

<given>Patricia</given>

<given qualifier="CL">Patty</given>

<family>Primary</family>

<suffix qualifier="AC">M.D.</suffix>

</name>

</assignedPerson>

<representedOrganization>

<id extension="219BX" root="1.1.1.1.1.1.1.1.2" />

<name>The DoctorsTogether Physician Group</name>

<telecom use="WP" value="tel: +(555)-555-5000" />

<addr>

<streetAddressLine>1004 Health Drive</streetAddressLine>

<city>Portland</city>

<state>OR</state>

<postalCode>99123</postalCode>

<country>US</country>

</addr>

</representedOrganization>

</assignedEntity>

</performer>

Figure 15: documentationOf Example

<documentationOf>

<serviceEvent classCode="PCPR">

<!-- The effectiveTime reflects the provision of care summarized in the document.

In this scenario, the provision of care summarized is the lifetime for the patient -->

<effectiveTime>

<low value="19750501" />

<!-- The low value represents when the summarized provision of care began.

In this scenario, the patient's date of birth -->

<high value="20120915" />

<!-- The high value represents when the summarized provision of care being ended.

In this scenario, when chart summary was created -->

</effectiveTime>

<performer typeCode="PRF">

<functionCode code="PCP"

displayName="Primary Care Provider"

codeSystem="2.16.840.1.113883.5.88"

codeSystemName="ParticipationFunction">

<originalText>Primary Care Provider</originalText>

</functionCode>

<assignedEntity>

<id extension="5555555555" root="2.16.840.1.113883.4.6" />

<code code="207QA0505X" displayName="Adult Medicine"

codeSystem="2.16.840.1.113883.5.53"

codeSystemName="Health Care Provider Taxonomy" />

<addr>

<streetAddressLine>1004 Healthcare Drive </streetAddressLine>

<city>Portland</city>

<state>OR</state>

<postalCode>99123</postalCode>

<country>US</country>

</addr>

<telecom use="WP" value="tel:+1(555)555-1004" />

<assignedPerson>

<name>

<given>Patricia</given>

<given qualifier="CL">Patty</given>

<family>Primary</family>

<suffix qualifier="AC">M.D.</suffix>

</name>

</assignedPerson>

<representedOrganization>

<id extension="219BX" root="1.1.1.1.1.1.1.1.2" />

<name>The DoctorsTogether Physician Group</name>

<telecom use="WP" value="tel: +(555)-555-5000" />

<addr>

<streetAddressLine>1004 Health Drive</streetAddressLine>

<city>Portland</city>

<state>OR</state>

<postalCode>99123</postalCode>

<country>US</country>

</addr>

</representedOrganization>

</assignedEntity>

</performer>

</serviceEvent>

</documentationOf>

Figure 16: authorization Example

<authorization typeCode="AUTH">

<consent classCode="CONS" moodCode="EVN">

<id root="629deb70-5306-11df-9879-0800200c9a66" />

<code codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" code="64293-4" displayName="Procedure consent" />

<statusCode code="completed" />

</consent>

</authorization>

ePOLST Medical Orders Document

[ClinicalDocument: identifier urn:hl7ii:2.16.840.1.113883.9.275.1:2021-12-01 (open)]

Published as part of ePOLST: Portable Medical Orders About Resuscitation and Initial Treatment

Table 21: ePOLST Medical Orders Document Contexts

| Contained By: | Contains: |
| --- | --- |
|  | [US Realm Person Name (PN.US.FIELDED)](#U_US_Realm_Person_Name_PNUSFIELDED) (required)  [ePOLST Medical Orders Section](#S_ePOLST_Medical_Orders_Section) (required)  [ePOLST Completion Information Section](#S_ePOLST_Completion_Information_Section) (optional) |

The ePOLST Medical Orders Document template provides a standardized electronic representation of the National POLST Portable Medical Orders form (<https://polst.org/national-polst-form-pdf>).

An ePOLST is an electronic portable medical order created by a legally authorized person (usually a clinician or care provider) in consultation with a patient or patient representative. It provides medical orders and guidance on resuscitation and initial treatments in an emergency.

A healthcare provider author should complete this form only after a conversation with the patient or the patient’s representative. The ePOLST decision-making process is for patients who are at risk for a life-threatening clinical event because they have a serious life-limiting medical condition, which may include advanced frailty. Refer to the National POLST website for more information (<https://polst.org/> and <https://polst.org/guidance-appropriate-patients-pdf>).

The following roles are required to be present (SHALL): author, legalAuthenticator, authenticator. The author of the ePOLST Medical Orders Document may not necessarily be the same person as the legal authenticator.

Note that some states regulate the form, content, and approval signatures for portable medical order documents. Implementers must know the rules and regulations of the locations where this standard will be implemented. The following explains who should fill each signer role in different state rule scenarios:

* If both the provider and patient/patient representative must sign the ePOLST, then place the provider's information in the legalAuthenicator role and place the patient/patient representative information in the authenticator role.
* If **only** the healthcare provider may legally sign the ePOLST, then place the provider's information in the legalAuthenticator role. Place the patient/patient representative information in the authenticator role and **Null** the authenticator signatureCode since they cannot legally sign the ePOLST in this situation.
* If a resident doctor or other healthcare provider who requires supervision is the author, place the attending doctor information in the legalAuthenticator role.

Table 22: ePOLST Medical Orders Document Constraints Overview

| XPath | Card. | Verb | Data Type | CONF# | Value |
| --- | --- | --- | --- | --- | --- |
| ClinicalDocument (identifier: urn:hl7ii:2.16.840.1.113883.9.275.1:2021-12-01) | | | | | |
| templateId | 1..1 | SHALL |  | [4511-5252](#C_4511-5252) |  |
| @root | 1..1 | SHALL |  | [4511-10036](#C_4511-10036) | 2.16.840.1.113883.9.275.1 |
| @extension | 1..1 | SHALL |  | [4511-32503](#C_4511-32503) | 2021-12-01 |
| code | 1..1 | SHALL |  | [4511-5253](#C_4511-5253) | urn:oid:2.16.840.1.113883.6.1 (LOINC) = 100821-8 |
| setId | 0..1 | SHOULD |  | [4511-33187](#C_4511-33187) |  |
| versionNumber | 0..1 | SHOULD |  | [4511-33188](#C_4511-33188) |  |
| legalAuthenticator | 1..1 | SHALL |  | [4511-5579](#C_4511-5579) |  |
| signatureCode | 1..1 | SHALL |  | [4511-33200](#C_4511-33200) |  |
| @code | 1..1 | SHALL |  | [4511-33201](#C_4511-33201) | urn:oid:2.16.840.1.113883.5.89 (HL7ParticipationSignature) = S |
| sdtc:signatureText | 0..1 | MAY |  | [4511-33225](#C_4511-33225) |  |
| assignedEntity | 1..1 | SHALL |  | [4511-5585](#C_4511-5585) |  |
| id | 1..\* | SHALL |  | [4511-5586](#C_4511-5586) |  |
| @root | 0..1 | MAY |  | [4511-16823](#C_4511-16823) | 2.16.840.1.113883.4.6 |
| code | 0..1 | MAY |  | [4511-17000](#C_4511-17000) | urn:oid:2.16.840.1.114222.4.11.1066 (Healthcare Provider Taxonomy) |
| telecom | 1..\* | SHALL |  | [4511-5595](#C_4511-5595) |  |
| @use | 0..1 | SHOULD |  | [4511-7999](#C_4511-7999) | urn:oid:2.16.840.1.113883.11.20.9.20 (Telecom Use (US Realm Header)) |
| assignedPerson | 1..1 | SHALL |  | [4511-5597](#C_4511-5597) |  |
| name | 1..\* | SHALL |  | [4511-5598](#C_4511-5598) | [US Realm Person Name (PN.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1](#U_US_Realm_Person_Name_PNUSFIELDED) |
| authenticator | 1..1 | SHALL |  | [4511-5607](#C_4511-5607) |  |
| component | 1..1 | SHALL |  | [4511-33137](#C_4511-33137) |  |
| structuredBody | 1..1 | SHALL |  | [4511-33138](#C_4511-33138) |  |
| component | 1..1 | SHALL |  | [4511-33139](#C_4511-33139) |  |
| section | 1..1 | SHALL |  | [4511-33140](#C_4511-33140) | [ePOLST Medical Orders Section (identifier: urn:hl7ii:2.16.840.1.113883.9.275.2.1:2021-12-01](#S_ePOLST_Medical_Orders_Section) |
| component | 0..1 | MAY |  | [4511-33141](#C_4511-33141) |  |
| section | 1..1 | SHALL |  | [4511-33142](#C_4511-33142) | [ePOLST Completion Information Section (identifier: urn:hl7ii:2.16.840.1.113883.9.275.2.2:2021-12-01](#S_ePOLST_Completion_Information_Section) |

Properties

1. Conforms to [US Realm Header (V3)](#D_US_Realm_Header_V3) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.1.1:2015-08-01).
2. SHALL contain exactly one [1..1] templateId (CONF:4511-5252) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.9.275.1" (CONF:4511-10036).
   2. SHALL contain exactly one [1..1] @extension="2021-12-01" (CONF:4511-32503).
3. SHALL contain exactly one [1..1] code="100821-8" National POLST form: portable medical order panel (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1 STATIC) (CONF:4511-5253).

setId

The setId represents an identifier that is common across all document revisions, and the versionNumber is an integer that indicates the order of successive replacement documents. The setId and versionNumber, along with the document type code and patient identifiers, provide the information required for identification and management of successive ePOLST documents for a patient. Standardized use of the setId and versionNumber fields is important for patient safety.

1. SHOULD contain zero or one [0..1] setId (CONF:4511-33187).
2. SHOULD contain zero or one [0..1] versionNumber (CONF:4511-33188).

legalAuthenticator

The legalAuthenticator identifies the single person legally responsible for the document and must be present in an ePOLST. The act of legal authentication requires a certain privilege be granted to the legal authenticator depending upon local policy. Note that the legal authenticator must be a person in an ePOLST.

1. SHALL contain exactly one [1..1] legalAuthenticator (CONF:4511-5579).
   1. This legalAuthenticator SHALL contain exactly one [1..1] signatureCode (CONF:4511-33200).
      1. This signatureCode SHALL contain exactly one [1..1] @code="S" (CodeSystem: HL7ParticipationSignature urn:oid:2.16.840.1.113883.5.89) (CONF:4511-33201).
   2. This legalAuthenticator MAY contain zero or one [0..1] sdtc:signatureText (CONF:4511-33225).
   3. This legalAuthenticator SHALL contain exactly one [1..1] assignedEntity (CONF:4511-5585).

At minimum, include the medical license or certification number of the healthcare provider signing the document in the **id** element.

* + 1. This assignedEntity SHALL contain at least one [1..\*] id (CONF:4511-5586).
       1. Such ids MAY contain zero or one [0..1] @root="2.16.840.1.113883.4.6" National Provider Identifier (CONF:4511-16823).
    2. This assignedEntity MAY contain zero or one [0..1] code, which SHOULD be selected from ValueSet [Healthcare Provider Taxonomy](#Healthcare_Provider_Taxonomy) urn:oid:2.16.840.1.114222.4.11.1066 DYNAMIC (CONF:4511-17000).
    3. This assignedEntity SHALL contain at least one [1..\*] telecom (CONF:4511-5595).
       1. Such telecoms SHOULD contain zero or one [0..1] @use, which SHALL be selected from ValueSet [Telecom Use (US Realm Header)](#Telecom_Use_US_Realm_Header) urn:oid:2.16.840.1.113883.11.20.9.20 DYNAMIC (CONF:4511-7999).
    4. This assignedEntity SHALL contain exactly one [1..1] assignedPerson (CONF:4511-5597).
       1. This assignedPerson SHALL contain at least one [1..\*] [US Realm Person Name (PN.US.FIELDED)](#U_US_Realm_Person_Name_PNUSFIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1) (CONF:4511-5598).

authenticator

The authenticator identifies a participant who attests to the accuracy of the information in the document. For an ePOLST document, the authenticator SHALL be the patient or patient representative. If the authenticator is the patient, use the ID appropriate to that role, such as a medical record number (MRN). If the patient is a physician, for example, and has a National Provider Identifier (NPI), that identifier should not be used. Instead, use the MRN. If the authenticator is patient representative, use an ID appropriate to that role.

1. SHALL contain exactly one [1..1] authenticator (CONF:4511-5607).

component

1. SHALL contain exactly one [1..1] component (CONF:4511-33137).
   1. This component SHALL contain exactly one [1..1] structuredBody (CONF:4511-33138).
      1. This structuredBody SHALL contain exactly one [1..1] component (CONF:4511-33139) such that it
         1. SHALL contain exactly one [1..1] [ePOLST Medical Orders Section](#S_ePOLST_Medical_Orders_Section) (identifier: urn:hl7ii:2.16.840.1.113883.9.275.2.1:2021-12-01) (CONF:4511-33140).

The ePOLST Completion Information Section is an optional section.

* + 1. This structuredBody MAY contain zero or one [0..1] component (CONF:4511-33141) such that it
       1. SHALL contain exactly one [1..1] [ePOLST Completion Information Section](#S_ePOLST_Completion_Information_Section) (identifier: urn:hl7ii:2.16.840.1.113883.9.275.2.2:2021-12-01) (CONF:4511-33142).

Figure 17: ePOLST Medical Orders Document Example

<ClinicalDocument

xmlns="urn:hl7-org:v3"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xmlns:voc="urn:hl7-org:v3/voc"

xmlns:sdtc="urn:hl7-org:sdtc">

<!-- realmCode is required by the US Realm Header and SHALL be realmCode="US" -->

<realmCode code="US"/>

<typeId extension="POCD\_HD000040" root="2.16.840.1.113883.1.3"/>

<!-- US Realm Header current template and previous versions-->

<templateId root="2.16.840.1.113883.10.20.22.1.1" extension="2015-08-01"/>

<templateId root="2.16.840.1.113883.10.20.22.1.1"/>

<!-- [ePOLST] ePOLST Medical Orders Document template -->

<templateId root="2.16.840.1.113883.9.275.1" extension="2021-12-01"/>

<id root="5f6e4733-5fb4-4752-8d81-32420e9976b9"/>

<code code="100821-8" displayName="National POLST form: portable medical order panel"

codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"/>

<!-- Title of this document -->

<title>National ePOLST Form: A Portable Medical Order.</title>

...

<component>

<structuredBody>

<component>

<section>

<!-- Planned Procedure Section (V2) section template -->

<templateId root="2.16.840.1.113883.10.20.22.2.30" extension="2014-06-09"/>

<!-- ePOLST Medical Orders Section section template -->

<templateId root="2.16.840.1.113883.9.275.2.1" extension="2021-12-01"/>

...

</section>

</component>

<component>

<section>

<!-- ePOLST Completion Information Section section template -->

<templateId root="2.16.840.1.113883.9.275.2.2" extension="2021-12-01"/>

...

</section>

</component>

</structuredBody>

</component>

</ClinicalDocument>

Unstructured Document (V3)

[ClinicalDocument: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.1.10:2015-08-01 (open)]

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An Unstructured Document (UD) document type can (1) include unstructured content, such as a graphic, directly in a text element with a mediaType attribute, or (2) reference a single document file, such as a word-processing document using a text/reference element.  
For guidance on how to handle multiple files, on the selection of media types for this IG, and on the identification of external files, see the examples that follow the constraints below.  
IHE’s XDS-SD (Cross-Transaction Specifications and Content Specifications, Scanned Documents Module) profile addresses a similar, more restricted use case, specifically for scanned documents or documents electronically created from existing text sources, and limits content to PDF-A or text. This Unstructured Documents template is applicable not only for scanned documents in non-PDF formats, but also for clinical documents produced through word processing applications, etc.  
For conformance with both specifications, implementers need to ensure that their documents at a minimum conform with the SHALL constraints from either specification.

Table 23: Unstructured Document (V3) Constraints Overview

| XPath | Card. | Verb | Data Type | CONF# | Value |
| --- | --- | --- | --- | --- | --- |
| ClinicalDocument (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.1.10:2015-08-01) | | | | | |
| templateId | 1..1 | SHALL |  | [1198-7710](#C_1198-7710) |  |
| @root | 1..1 | SHALL |  | [1198-10054](#C_1198-10054) | 2.16.840.1.113883.10.20.22.1.10 |
| @extension | 1..1 | SHALL |  | [1198-32522](#C_1198-32522) | 2015-08-01 |
| recordTarget | 1..\* | SHALL |  | [1198-31089](#C_1198-31089) |  |
| patientRole | 1..1 | SHALL |  | [1198-31090](#C_1198-31090) |  |
| id | 1..\* | SHALL |  | [1198-31091](#C_1198-31091) |  |
| custodian | 1..1 | SHALL |  | [1198-31096](#C_1198-31096) |  |
| assignedCustodian | 1..1 | SHALL |  | [1198-31097](#C_1198-31097) |  |
| representedCustodianOrganization | 1..1 | SHALL |  | [1198-31098](#C_1198-31098) |  |
| component | 1..1 | SHALL |  | [1198-31085](#C_1198-31085) |  |
| nonXMLBody | 1..1 | SHALL |  | [1198-31086](#C_1198-31086) |  |
| text | 1..1 | SHALL |  | [1198-31087](#C_1198-31087) |  |

Properties

1. Conforms to [US Realm Header (V3)](#D_US_Realm_Header_V3) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.1.1:2015-08-01).
2. SHALL contain exactly one [1..1] templateId (CONF:1198-7710) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.22.1.10" (CONF:1198-10054).
   2. SHALL contain exactly one [1..1] @extension="2015-08-01" (CONF:1198-32522).
   3. When asserting this templateId, all C-CDA 2.1 section and entry templates that had a previous version in C-CDA R1.1 SHALL include both the C-CDA 2.1 templateId and the C-CDA R1.1 templateId root without an extension. See C-CDA R2.1 Volume 1 - Design Considerations for additional detail (CONF:1198-32944).

recordTarget

1. SHALL contain at least one [1..\*] recordTarget (CONF:1198-31089).
   1. Such recordTargets SHALL contain exactly one [1..1] patientRole (CONF:1198-31090).
      1. This patientRole SHALL contain at least one [1..\*] id (CONF:1198-31091).

custodian

1. SHALL contain exactly one [1..1] custodian (CONF:1198-31096).
   1. This custodian SHALL contain exactly one [1..1] assignedCustodian (CONF:1198-31097).
      1. This assignedCustodian SHALL contain exactly one [1..1] representedCustodianOrganization (CONF:1198-31098).
2. SHALL contain exactly one [1..1] component (CONF:1198-31085).

nonXMLBody

An Unstructured Document must include a nonXMLBody component with a single text element. The text element can reference an external file using a reference element, or include unstructured content directly with a mediaType attribute. The nonXMLBody/text element also has a "compression" attribute that can be used to indicate that the unstructured content was compressed before being Base64Encoded. At a minimum, a compression value of "DF" for the deflate compression algorithm (RFC 1951 [URL:http://www.ietf.org/rfc/rfc1951.txt]) must be supported although it is not required that content be compressed.

* 1. This component SHALL contain exactly one [1..1] nonXMLBody (CONF:1198-31086).
     1. This nonXMLBody SHALL contain exactly one [1..1] text (CONF:1198-31087).
        1. If the text element does not contain a reference element with a value attribute, then it SHALL contain exactly one [1..1] @representation="B64" and exactly one [1..1] @mediaType (CONF:1198-7624).
        2. The value of @mediaType, if present, SHALL be drawn from the value set 2.16.840.1.113883.11.20.7.1 SupportedFileFormats STATIC 2010-05-12 (CONF:1198-7623).

Table 24: SupportedFileFormats

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: SupportedFileFormats urn:oid:2.16.840.1.113883.11.20.7.1  (Clinical Focus: Indicates the file format of an unstructured document contained in a CDA Unstructured Document.),(Data Element Scope: File format concepts selected from the mediType code system.),(Inclusion Criteria: Include concepts where the file format is supported by an Unstructured Document.),(Exclusion Criteria: Exclude concepts where the file format is not supported by an Unstructured Document.)  This value set was imported on 8/29/2022 with a version of Latest.  Value Set Source: <https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.7.1/expansion> | | | |
| Code | Code System | Code System OID | Print Name |
| application/msword | Media Type | urn:oid:2.16.840.1.113883.5.79 | MSWORD |
| application/pdf | Media Type | urn:oid:2.16.840.1.113883.5.79 | PDF |
| audio | Media Type | urn:oid:2.16.840.1.113883.5.79 | AudioMediaType |
| audio/basic | Media Type | urn:oid:2.16.840.1.113883.5.79 | Basic Audio |
| audio/k32adpcm | Media Type | urn:oid:2.16.840.1.113883.5.79 | K32ADPCM Audio |
| audio/mpeg | Media Type | urn:oid:2.16.840.1.113883.5.79 | MPEG audio layer 3 |
| image/gif | Media Type | urn:oid:2.16.840.1.113883.5.79 | GIF Image |
| image/jpeg | Media Type | urn:oid:2.16.840.1.113883.5.79 | JPEG Image |
| image/png | Media Type | urn:oid:2.16.840.1.113883.5.79 | PNG Image |
| image/tiff | Media Type | urn:oid:2.16.840.1.113883.5.79 | TIFF Image |
| ... | | | |

Figure 18: nonXMLBody Example with Embedded Content

<component>

<nonXMLBody>

<text mediaType="text/rtf" representation="B64">e1xydGY...</text>

</nonXMLBody>

</component>

Figure 19: nonXMLBody Example with Referenced Content

<component>

<nonXMLBody>

<text>

<reference value="UD\_sample.pdf" />

</text>

</nonXMLBody>

</component>

Figure 20: nonXMLBody Example with Compressed Content

<component>

<nonXMLBody>

<text mediaType="text/rtf" representation="B64" compression="DF">dhUhkasd437hbjfQS7…</text>

</nonXMLBody>

</component>

ePOLST Medical Orders-Unstructured

[ClinicalDocument: identifier urn:hl7ii:2.16.840.1.113883.9.275.11:2021-12-01 (open)]

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The ePOLST Medical Orders-Unstructured template provides an option to exchange a scanned POLST Form (e.g., a PDF) electronically.

Table 25: ePOLST Medical Orders-Unstructured Constraints Overview

| XPath | Card. | Verb | Data Type | CONF# | Value |
| --- | --- | --- | --- | --- | --- |
| ClinicalDocument (identifier: urn:hl7ii:2.16.840.1.113883.9.275.11:2021-12-01) | | | | | |
| templateId | 1..1 | SHALL |  | [4511-33190](#C_4511-33190) |  |
| @root | 1..1 | SHALL |  | [4511-33191](#C_4511-33191) | 2.16.840.1.113883.9.275.11 |
| @extension | 1..1 | SHALL |  | [4511-33192](#C_4511-33192) | 2021-12-01 |
| code | 1..1 | SHALL |  | [4511-33189](#C_4511-33189) | urn:oid:2.16.840.1.113883.6.1 (LOINC) = 100821-8 |
| setId | 0..1 | SHOULD |  | [4511-33193](#C_4511-33193) |  |
| versionNumber | 0..1 | SHOULD |  | [4511-33194](#C_4511-33194) |  |
| legalAuthenticator | 1..1 | SHALL |  | [4511-33195](#C_4511-33195) |  |
| signatureCode | 1..1 | SHALL |  | [4511-33203](#C_4511-33203) |  |
| @code | 1..1 | SHALL |  | [4511-33204](#C_4511-33204) | urn:oid:2.16.840.1.113883.5.89 (HL7ParticipationSignature) = S |
| sdtc:signatureText | 0..1 | MAY |  | [4511-33231](#C_4511-33231) |  |
| assignedEntity | 1..1 | SHALL |  | [4511-33205](#C_4511-33205) |  |
| id | 1..\* | SHALL |  | [4511-33206](#C_4511-33206) |  |
| @root | 0..1 | MAY |  | [4511-33207](#C_4511-33207) | 2.16.840.1.113883.4.6 |
| code | 0..1 | MAY |  | [4511-33208](#C_4511-33208) | urn:oid:2.16.840.1.114222.4.11.1066 (Healthcare Provider Taxonomy) |
| telecom | 1..\* | SHALL |  | [4511-33210](#C_4511-33210) |  |
| @use | 0..1 | SHOULD |  | [4511-33211](#C_4511-33211) | urn:oid:2.16.840.1.113883.11.20.9.20 (Telecom Use (US Realm Header)) |
| assignedPerson | 1..1 | SHALL |  | [4511-33212](#C_4511-33212) |  |
| name | 1..\* | SHALL |  | [4511-33213](#C_4511-33213) |  |
| authenticator | 1..1 | SHALL |  | [4511-33197](#C_4511-33197) |  |
| component | 1..1 | SHALL |  | [4511-33196](#C_4511-33196) |  |
| nonXMLBody | 1..1 | SHALL |  | [4511-33198](#C_4511-33198) |  |

Properties

1. Conforms to [Unstructured Document (V3)](#D_Unstructured_Document_V3) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.1.10:2015-08-01).
2. SHALL contain exactly one [1..1] templateId (CONF:4511-33190) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.9.275.11" (CONF:4511-33191).
   2. SHALL contain exactly one [1..1] @extension="2021-12-01" (CONF:4511-33192).
3. SHALL contain exactly one [1..1] code="100821-8" National POLST form: portable medical order panel (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:4511-33189).

setId

The setId represents an identifier that is common across all document revisions, and the versionNumber is an integer that indicates the order of successive replacement documents. The setId and versionNumber, along with the document type code and patient identifiers, provide the information required for identification and management of successive ePOLST documents for a patient. Standardized use of the setId and versionNumber fields is important for patient safety.

1. SHOULD contain zero or one [0..1] setId (CONF:4511-33193).
2. SHOULD contain zero or one [0..1] versionNumber (CONF:4511-33194).

legalAuthenticator

The legalAuthenticator identifies the single person legally responsible for the document and must be present in an ePOLST. The act of legal authentication requires a certain privilege be granted to the legal authenticator depending upon local policy. Note that the legal authenticator must be a person in an ePOLST.

1. SHALL contain exactly one [1..1] legalAuthenticator (CONF:4511-33195).
   1. This legalAuthenticator SHALL contain exactly one [1..1] signatureCode (CONF:4511-33203).
      1. This signatureCode SHALL contain exactly one [1..1] @code="S" (CodeSystem: HL7ParticipationSignature urn:oid:2.16.840.1.113883.5.89) (CONF:4511-33204).
   2. This legalAuthenticator MAY contain zero or one [0..1] sdtc:signatureText (CONF:4511-33231).
   3. This legalAuthenticator SHALL contain exactly one [1..1] assignedEntity (CONF:4511-33205).

At minimum, include the medical license or certification number of the healthcare provider signing the document in the **id** element.

* + 1. This assignedEntity SHALL contain at least one [1..\*] id (CONF:4511-33206).
       1. Such ids MAY contain zero or one [0..1] @root="2.16.840.1.113883.4.6" National Provider Identifier (CONF:4511-33207).
    2. This assignedEntity MAY contain zero or one [0..1] code, which SHOULD be selected from ValueSet [Healthcare Provider Taxonomy](#Healthcare_Provider_Taxonomy) urn:oid:2.16.840.1.114222.4.11.1066 DYNAMIC (CONF:4511-33208).
    3. This assignedEntity SHALL contain at least one [1..\*] telecom (CONF:4511-33210).
       1. Such telecoms SHOULD contain zero or one [0..1] @use, which SHALL be selected from ValueSet [Telecom Use (US Realm Header)](#Telecom_Use_US_Realm_Header) urn:oid:2.16.840.1.113883.11.20.9.20 DYNAMIC (CONF:4511-33211).
    4. This assignedEntity SHALL contain exactly one [1..1] assignedPerson (CONF:4511-33212).
       1. This assignedPerson SHALL contain at least one [1..\*] name (CONF:4511-33213).

authenticator

The authenticator identifies a participant who attests to the accuracy of the information in the document. For an ePOLST document, the authenticator SHALL be the patient or patient representative. If the authenticator is the patient, use the ID appropriate to that role, such as a medical record number (MRN). If the patient is a physician, for example, and has a National Provider Identifier (NPI), that identifier should not be used. Instead, use the MRN. If the authenticator is patient representative, use an ID appropriate to that role.

1. SHALL contain exactly one [1..1] authenticator (CONF:4511-33197).

component

1. SHALL contain exactly one [1..1] component (CONF:4511-33196).
   1. This component SHALL contain exactly one [1..1] nonXMLBody (CONF:4511-33198).

Figure 21: ePOLST Medical Orders-Unstructured Example

<ClinicalDocument

xmlns="urn:hl7-org:v3"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xmlns:sdtc="urn:hl7-org:sdtc"

xmlns:voc="urn:hl7-org:v3/voc">

<!-- realmCode is required by the US Realm Header and SHALL be realmCode="US".-->

<realmCode code="US"/>

<typeId extension="POCD\_HD000040" root="2.16.840.1.113883.1.3"/>

<!-- US Realm Header current template and previous versions-->

<templateId root="2.16.840.1.113883.10.20.22.1.1" extension="2015-08-01"/>

<templateId root="2.16.840.1.113883.10.20.22.1.1"/>

<!-- Unstructured Document (V3) template -->

<templateId root="2.16.840.1.113883.10.20.22.1.10" extension="2015-08-01"/>

<!-- [ePOLST] ePOLST Medical Orders-Unstructured document template -->

<templateId root="2.16.840.1.113883.9.275.11" extension="2021-12-01"/>

<id root="5f6e4733-5fb4-4752-8d81-32420e9976b9"/>

<code code="100821-8" displayName="National POLST form: portable medical order panel" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"/>

<!-- Title of this document -->

<title>National ePOLST Form: A Portable Medical Order.</title>

...

<component>

<nonXMLBody>

<text>

<reference value="2020.05.11-National-POLST-Form.pdf"/>

</text>

</nonXMLBody>

</component>

</ClinicalDocument>

# Section-Level Templates

Section-level templates are referenced by one or more of the document-level templates in this guide. These templates describe the purpose of each section and the section-level constraints.

Each section-level template contains the following:  
• Template metadata (e.g., template ID)  
• Description and explanatory narrative  
• LOINC section code  
• Section title  
• Requirements for a text element  
• Entry-level template names and IDs for referenced templates (required and optional)

Narrative Text — The text element within the section stores the narrative to be rendered, as described in the CDA R2 specification, and is referred to as the CDA narrative block.

The content model of the CDA narrative block schema is handcrafted to meet requirements of human readability and rendering. The schema is registered as a MIME type (text/x-hl7-text+xml), which is the fixed media type for the text element.

As noted in the CDA R2 specification, the document originator is responsible for ensuring that the narrative block contains the complete, human-readable, attested content of the section. Structured entries support computer processing and computation and are not a replacement for the attestable, human-readable content of the CDA narrative block. As for all CDA documents—even when a document consisting entirely of structured entries is transformed into CDA—the encoding application must ensure that the authenticated content (narrative plus multimedia) is a faithful and complete rendering of the clinical content of the structured source data. As a general guideline, a generated narrative block should include the same human-readable content that would be available to users viewing that content in the originating system. Although content formatting in the narrative block need not be identical to that in the originating system, the narrative block should use elements from the CDA narrative block schema to provide sufficient formatting to support human readability when rendered according to the rules defined in Section Narrative Block (§4.3.5) of the CDA R2 specification.

Additional specification information for the CDA narrative block can be found in the CDA R2 specification.

ePOLST Completion Information Section

[section: identifier urn:hl7ii:2.16.840.1.113883.9.275.2.2:2021-12-01 (open)]

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Table 26: ePOLST Completion Information Section Contexts

| Contained By: | Contains: |
| --- | --- |
| [ePOLST Medical Orders Document](#D_ePOLST_Medical_Orders_Document) (optional) | [ePOLST Administrative Information](#E_ePOLST_Administrative_Information) (optional)  [Orders Review (ePOLST)](#E_Orders_Review_ePOLST) (optional)  [Orders Participants (ePOLST)](#E_Orders_Participants_ePOLST) (optional) |

This template represents the Form Completion Information portion of the standardized electronic representation of the National POLST Portable Medical Orders form.

This section is optional. It contains observations on whether a review was done comparing this ePOLST to an advance directive authored by the patient and who participated in discussion about this ePOLST and/or the review of advance directives.

The **title** should hold the name of the form section, such as "Form Completion Information", and the **text** should be used for the human-readable rendering of the contained entries.

Table 27: ePOLST Completion Information Section Constraints Overview

| XPath | Card. | Verb | Data Type | CONF# | Value |
| --- | --- | --- | --- | --- | --- |
| section (identifier: urn:hl7ii:2.16.840.1.113883.9.275.2.2:2021-12-01) | | | | | |
| templateId | 1..1 | SHALL |  | [4511-33129](#C_4511-33129) |  |
| @root | 1..1 | SHALL |  | [4511-33130](#C_4511-33130) | 2.16.840.1.113883.9.275.2.2 |
| @extension | 1..1 | SHALL |  | [4511-33131](#C_4511-33131) | 2021-12-01 |
| code | 1..1 | SHALL |  | [4511-33173](#C_4511-33173) |  |
| @code | 1..1 | SHALL |  | [4511-33176](#C_4511-33176) | 100970-3 |
| @codeSystem | 1..1 | SHALL |  | [4511-33177](#C_4511-33177) | urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1 |
| title | 0..1 | SHOULD |  | [4511-33134](#C_4511-33134) |  |
| text | 0..1 | MAY |  | [4511-33135](#C_4511-33135) |  |
| entry | 0..1 | MAY |  | [4511-33132](#C_4511-33132) |  |
| observation | 1..1 | SHALL |  | [4511-33172](#C_4511-33172) | [Orders Review (ePOLST) (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.7:2021-12-01](#E_Orders_Review_ePOLST) |
| entry | 0..1 | MAY |  | [4511-33241](#C_4511-33241) |  |
| observation | 1..1 | SHALL |  | [4511-33242](#C_4511-33242) | [Orders Participants (ePOLST) (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.8:2022-08-21](#E_Orders_Participants_ePOLST) |
| entry | 0..\* | MAY |  | [4511-33174](#C_4511-33174) |  |
| act | 1..1 | SHALL |  | [4511-33175](#C_4511-33175) | [ePOLST Administrative Information (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.6:2021-12-01](#E_ePOLST_Administrative_Information) |

1. SHALL contain exactly one [1..1] templateId (CONF:4511-33129).
   1. This templateId SHALL contain exactly one [1..1] @root="2.16.840.1.113883.9.275.2.2" (CONF:4511-33130).
   2. This templateId SHALL contain exactly one [1..1] @extension="2021-12-01" (CONF:4511-33131).
2. SHALL contain exactly one [1..1] code (CONF:4511-33173).
   1. This code SHALL contain exactly one [1..1] @code="100970-3" Portable medical order completion information (CONF:4511-33176).  
      Note: The LOINC code of this section template is a prerelease code as of August 2022, and is expected to be available in the next LOINC release.
   2. This code SHALL contain exactly one [1..1] @codeSystem="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:4511-33177).
3. SHOULD contain zero or one [0..1] title (CONF:4511-33134).
4. MAY contain zero or one [0..1] text (CONF:4511-33135).
5. MAY contain zero or one [0..1] entry (CONF:4511-33132) such that it
   1. SHALL contain exactly one [1..1] [Orders Review (ePOLST)](#E_Orders_Review_ePOLST) (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.7:2021-12-01) (CONF:4511-33172).
6. MAY contain zero or one [0..1] entry (CONF:4511-33241) such that it
   1. SHALL contain exactly one [1..1] [Orders Participants (ePOLST)](#E_Orders_Participants_ePOLST) (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.8:2022-08-21) (CONF:4511-33242).
7. MAY contain zero or more [0..\*] entry (CONF:4511-33174) such that it
   1. SHALL contain exactly one [1..1] [ePOLST Administrative Information](#E_ePOLST_Administrative_Information) (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.6:2021-12-01) (CONF:4511-33175).

Figure 22: ePOLST Completion Information Section Example

<section>

<!-- ePOLST Completion Information Section section template -->

<templateId root="2.16.840.1.113883.9.275.2.2" extension="2021-12-01"/>

<code code="100970-3" displayName="Portable medical order completion information" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"/>

<title>ePOLST Completion Information Section</title>

<text>...</text>

<!-- Orders Review (ePOLST) entry template -->

<entry>

<observation classCode="OBS" moodCode="EVN">

<templateId root="2.16.840.1.113883.9.275.3.7" extension="2021-12-01"/>

<id root="752c8114-46b0-44db-af46-561a672f30ff"/>

...

</observation>

</entry>

<!-- Orders Participants (ePOLST) entry template -->

<entry>

<observation classCode="OBS" moodCode="EVN">

<templateId root="2.16.840.1.113883.9.275.3.8" extension="2022-08-21"/>

<id root="752c8114-46b0-44db-af46-561a672f30ff"/>

...

</observation>

</entry>

<!-- ePOLST Administrative Information entry template -->

<entry>

<act classCode="ACT" moodCode="INT">

<templateId root="2.16.840.1.113883.9.275.3.6" extension="2021-12-01"/>

<id root="61c73d9d-2775-4030-b4bc-715f637e75b8"/>

...

</act>

</entry>

</section>

Planned Procedure Section (V2)

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.2.30:2014-06-09 (open)]

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This section contains the procedure(s) that a clinician planned based on the preoperative assessment.

Table 28: Planned Procedure Section (V2) Constraints Overview

| XPath | Card. | Verb | Data Type | CONF# | Value |
| --- | --- | --- | --- | --- | --- |
| section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.30:2014-06-09) | | | | | |
| templateId | 1..1 | SHALL |  | [1098-8082](#C_1098-8082) |  |
| @root | 1..1 | SHALL |  | [1098-10436](#C_1098-10436) | 2.16.840.1.113883.10.20.22.2.30 |
| @extension | 1..1 | SHALL |  | [1098-32590](#C_1098-32590) | 2014-06-09 |
| code | 1..1 | SHALL |  | [1098-15399](#C_1098-15399) |  |
| @code | 1..1 | SHALL |  | [1098-15400](#C_1098-15400) | 59772-4 |
| @codeSystem | 1..1 | SHALL |  | [1098-32151](#C_1098-32151) | urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1 |
| title | 1..1 | SHALL |  | [1098-8084](#C_1098-8084) |  |
| text | 1..1 | SHALL |  | [1098-8085](#C_1098-8085) |  |
| entry | 0..\* | MAY |  | [1098-8744](#C_1098-8744) |  |
| procedure | 1..1 | SHALL |  | [1098-15502](#C_1098-15502) | Planned Procedure (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.41:2014-06-09 |

1. SHALL contain exactly one [1..1] templateId (CONF:1098-8082) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.22.2.30" (CONF:1098-10436).
   2. SHALL contain exactly one [1..1] @extension="2014-06-09" (CONF:1098-32590).
2. SHALL contain exactly one [1..1] code (CONF:1098-15399).
   1. This code SHALL contain exactly one [1..1] @code="59772-4" Planned Procedure (CONF:1098-15400).
   2. This code SHALL contain exactly one [1..1] @codeSystem="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:1098-32151).
3. SHALL contain exactly one [1..1] title (CONF:1098-8084).
4. SHALL contain exactly one [1..1] text (CONF:1098-8085).
5. MAY contain zero or more [0..\*] entry (CONF:1098-8744) such that it
   1. SHALL contain exactly one [1..1] Planned Procedure (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.41:2014-06-09) (CONF:1098-15502).

Figure 23: Planned Procedure Section (V2) Example

<section>

<templateId root="2.16.840.1.113883.10.20.22.2.30" extension="2014-06-09" />

<code code="59772-4" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Planned Procedure" />

<title>Planned Procedure</title>

<text>

...

</text>

<entry>

<procedure moodCode="RQO" classCode="PROC">

<templateId root="2.16.840.1.113883.10.20.22.4.41" extension="2014-06-09" />

<!-- \*\* Planned Procedure \*\* -->

...

</procedure>

</entry>

</section>

ePOLST Medical Orders Section

[section: identifier urn:hl7ii:2.16.840.1.113883.9.275.2.1:2021-12-01 (open)]

Published as part of ePOLST: Portable Medical Orders About Resuscitation and Initial Treatment

Table 29: ePOLST Medical Orders Section Contexts

| Contained By: | Contains: |
| --- | --- |
| [ePOLST Medical Orders Document](#D_ePOLST_Medical_Orders_Document) (required) | [Cardiopulmonary Resuscitation Order Act (ePOLST)](#E_CPR_Order_Act) (required)  [Initial Treatment Orders Act (ePOLST)](#E_Initial_Treatment_Orders_Act_ePOLST) (required)  [Additional Orders Act (ePOLST)](#E_Additional_Orders_Act_ePOLST) (required)  [Medically Assisted Nutrition Orders Act (ePOLST)](#E_Medically_Assisted_Nutrition_Orders_A) (required)  [ePOLST Clinical Instructions](#E_ePOLST_Clinical_Instructions) (optional)  [ePOLST Administrative Information](#E_ePOLST_Administrative_Information) (optional) |

This template represents the orders portion of the standardized electronic representation of the National POLST Portable Medical Orders form and contains entry templates for each of the four order types:

* Cardiopulmonary Resuscitation Orders
* Initial Treatment Orders
* Additional Orders or Instructions
* Medically Assisted Nutrition

This section is required and SHALL contain all four order entry templates.

This section also may contain an entry template to capture clinical instructions provided on the form. An example of clinical instructions is, “Healthcare providers should complete this form only after a conversation with their patient or the patient’s representative. The POLST decision-making process is for patients who are at risk for a life-threatening clinical event because they have a serious life-limiting medical condition, which may include advanced frailty ([www.polst.org/guidance-appropriate-patients-pdf](http://www.polst.org/guidance-appropriate-patients-pdf))."

This section also may contain an entry template to capture administrative information provided on the form. An example of administrative information is, "A copied, faxed, or electronic version of this form is a legal and valid medical order. This form does not expire."

The **title** holds the name of the form section, such as "ePOLST Portable Medical Orders", and the **text** holds the human-readable rendering of the contained entries.

Implementers should review state and local POLST forms for additional requirements (contacts available at <https://polst.org/state-programs/>).

Table 30: ePOLST Medical Orders Section Constraints Overview

| XPath | Card. | Verb | Data Type | CONF# | Value |
| --- | --- | --- | --- | --- | --- |
| section (identifier: urn:hl7ii:2.16.840.1.113883.9.275.2.1:2021-12-01) | | | | | |
| templateId | 1..1 | SHALL |  | [4511-33026](#C_4511-33026) |  |
| @root | 1..1 | SHALL |  | [4511-33027](#C_4511-33027) | 2.16.840.1.113883.9.275.2.1 |
| @extension | 1..1 | SHALL |  | [4511-33028](#C_4511-33028) | 2021-12-01 |
| entry | 1..1 | SHALL |  | [4511-33029](#C_4511-33029) |  |
| act | 1..1 | SHALL |  | [4511-33030](#C_4511-33030) | [Cardiopulmonary Resuscitation Order Act (ePOLST) (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.1:2021-12-01](#E_CPR_Order_Act) |
| entry | 1..1 | SHALL |  | [4511-33031](#C_4511-33031) |  |
| act | 1..1 | SHALL |  | [4511-33032](#C_4511-33032) | [Initial Treatment Orders Act (ePOLST) (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.2:2021-12-01](#E_Initial_Treatment_Orders_Act_ePOLST) |
| entry | 1..1 | SHALL |  | [4511-33033](#C_4511-33033) |  |
| act | 1..1 | SHALL |  | [4511-33034](#C_4511-33034) | [Medically Assisted Nutrition Orders Act (ePOLST) (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.4:2021-12-01](#E_Medically_Assisted_Nutrition_Orders_A) |
| entry | 1..1 | SHALL |  | [4511-33035](#C_4511-33035) |  |
| act | 1..1 | SHALL |  | [4511-33036](#C_4511-33036) | [Additional Orders Act (ePOLST) (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.3:2021-12-01](#E_Additional_Orders_Act_ePOLST) |
| entry | 0..\* | MAY |  | [4511-33048](#C_4511-33048) |  |
| act | 1..1 | SHALL |  | [4511-33057](#C_4511-33057) | [ePOLST Clinical Instructions (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.5:2021-12-01](#E_ePOLST_Clinical_Instructions) |
| entry | 0..\* | MAY |  | [4511-33049](#C_4511-33049) |  |
| act | 1..1 | SHALL |  | [4511-33058](#C_4511-33058) | [ePOLST Administrative Information (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.6:2021-12-01](#E_ePOLST_Administrative_Information) |

1. Conforms to [Planned Procedure Section (V2)](#Planned_Procedure_Section_V2) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.30:2014-06-09).
2. SHALL contain exactly one [1..1] templateId (CONF:4511-33026) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.9.275.2.1" (CONF:4511-33027).
   2. SHALL contain exactly one [1..1] @extension="2021-12-01" (CONF:4511-33028).
3. SHALL contain exactly one [1..1] entry (CONF:4511-33029) such that it
   1. SHALL contain exactly one [1..1] [Cardiopulmonary Resuscitation Order Act (ePOLST)](#E_CPR_Order_Act) (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.1:2021-12-01) (CONF:4511-33030).
4. SHALL contain exactly one [1..1] entry (CONF:4511-33031) such that it
   1. SHALL contain exactly one [1..1] [Initial Treatment Orders Act (ePOLST)](#E_Initial_Treatment_Orders_Act_ePOLST) (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.2:2021-12-01) (CONF:4511-33032).
5. SHALL contain exactly one [1..1] entry (CONF:4511-33033) such that it
   1. SHALL contain exactly one [1..1] [Medically Assisted Nutrition Orders Act (ePOLST)](#E_Medically_Assisted_Nutrition_Orders_A) (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.4:2021-12-01) (CONF:4511-33034).
6. SHALL contain exactly one [1..1] entry (CONF:4511-33035) such that it
   1. SHALL contain exactly one [1..1] [Additional Orders Act (ePOLST)](#E_Additional_Orders_Act_ePOLST) (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.3:2021-12-01) (CONF:4511-33036).
7. MAY contain zero or more [0..\*] entry (CONF:4511-33048) such that it
   1. SHALL contain exactly one [1..1] [ePOLST Clinical Instructions](#E_ePOLST_Clinical_Instructions) (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.5:2021-12-01) (CONF:4511-33057).
8. MAY contain zero or more [0..\*] entry (CONF:4511-33049) such that it
   1. SHALL contain exactly one [1..1] [ePOLST Administrative Information](#E_ePOLST_Administrative_Information) (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.6:2021-12-01) (CONF:4511-33058).

Figure 24: ePOLST Medical Orders Section Example

<section>

<!-- Planned Procedure Section (V2) section template -->

<templateId root="2.16.840.1.113883.10.20.22.2.30" extension="2014-06-09"/>

<!-- ePOLST Medical Orders Section section template -->

<templateId root="2.16.840.1.113883.9.275.2.1" extension="2021-12-01"/>

<code code="59772-4" displayName="Planned Procedure" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"/>

<title>ePOLST Portable Medical Orders </title>

<text>...</text>

<!-- ePOLST Clinical Instructions entry template -->

<entry>

<act classCode="ACT" moodCode="INT">

<templateId root="2.16.840.1.113883.9.275.3.5" extension="2021-12-01"/>

<id root="61c73d9d-2775-4030-b4bc-715f637e75b8"/>

...

</act>

</entry>

<!-- ePOLST Administrative Information entry template -->

<entry>

<act classCode="ACT" moodCode="INT">

<templateId root="2.16.840.1.113883.9.275.3.6" extension="2021-12-01"/>

<id root="61c73d9d-2775-4030-b4bc-715f637e75b8"/>

...

</act>

</entry>

<!-- Cardiopulmonary Resuscitation Order Act (ePOLST) entry template -->

<entry>

<act classCode="ACT" moodCode="INT">

<templateId root="2.16.840.1.113883.9.275.3.1" extension="2021-12-01"/>

<id root="51ac291d-fc5e-4ac1-bb81-5cc9b8df7bf8"/>

...

</act>

</entry>

<!-- Initial Treatment Orders Act (ePOLST) entry template -->

<entry>

<act classCode="ACT" moodCode="INT">

<templateId root="2.16.840.1.113883.9.275.3.2" extension="2021-12-01"/>

<id root="61c73d9d-2775-4030-b4bc-715f637e75b8"/>

...

</act>

</entry>

<!-- Additional Orders Act (ePOLST) entry template -->

<entry>

<act classCode="ACT" moodCode="INT">

<templateId root="2.16.840.1.113883.9.275.3.3" extension="2021-12-01"/>

<id root="24f33931-faf1-4f88-be99-2d3e2496d2e4"/>

...

</act>

</entry>

<!-- Medically Assisted Nutrition Orders Act entry template -->

<entry>

<act classCode="ACT" moodCode="INT">

<templateId root="2.16.840.1.113883.9.275.3.4" extension="2021-12-01"/>

<id root="43c286c9-9958-4907-9566-224fe3aca37a"/>

...

</act>

</entry>

</section>

# Entry-Level Templates

Entry templates used within the sections of the ePOLST Medical Order document are described here. Entry templates contain constraints that are required for conformance. Entry-level templates are always in sections. Each entry-level template description contains the following information:  
• Key template metadata (e.g., template identifier, etc.)  
• Description and explanatory narrative  
• Required CDA acts, participants, and vocabularies  
• Optional CDA acts, participants, and vocabularies

Additional Orders Act (ePOLST)

[act: identifier urn:hl7ii:2.16.840.1.113883.9.275.3.3:2021-12-01 (open)]

Published as part of ePOLST: Portable Medical Orders About Resuscitation and Initial Treatment

Table 31: Additional Orders Act (ePOLST) Contexts

| Contained By: | Contains: |
| --- | --- |
| [ePOLST Medical Orders Section](#S_ePOLST_Medical_Orders_Section) (required) | [Planned Additional Orders Procedure](#E_Planned_Additional_Orders_Procedure) (required)  [ePOLST Clinical Instructions](#E_ePOLST_Clinical_Instructions) (optional) |

This template represents the Additional Orders or Instructions item in the National POLST Portable Medical Orders form. It provides the option to issue orders not defined in other templates of this guide (e.g., blood products, dialysis). Implementers should ensure they are compliant with federal and jurisdictional requirements (including public health) for health data ordering and reporting in various settings of patient care. Emergency Medical Services (EMS) protocols may limit the emergency responder’s ability to act on orders in this section.

This template is required. Implementers SHOULD provide form-specific code text as **originalText** and MAY include additional instructions to the authoring or receiving clinician using the ePOLST Clinical Instructions template.

Table 32: Additional Orders Act (ePOLST) Constraints Overview

| XPath | Card. | Verb | Data Type | CONF# | Value |
| --- | --- | --- | --- | --- | --- |
| act (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.3:2021-12-01) | | | | | |
| @classCode | 1..1 | SHALL |  | [4511-33012](#C_4511-33012) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ACT |
| @moodCode | 1..1 | SHALL |  | [4511-33013](#C_4511-33013) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = INT |
| templateId | 1..1 | SHALL |  | [4511-33004](#C_4511-33004) |  |
| @root | 1..1 | SHALL |  | [4511-33008](#C_4511-33008) | 2.16.840.1.113883.9.275.3.3 |
| @extension | 1..1 | SHALL |  | [4511-33009](#C_4511-33009) | 2021-12-01 |
| id | 0..\* | MAY |  | [4511-33011](#C_4511-33011) |  |
| code | 1..1 | SHALL |  | [4511-33007](#C_4511-33007) | urn:oid:2.16.840.1.113883.6.1 (LOINC) = 100824-2 |
| originalText | 0..1 | SHOULD |  | [4511-33010](#C_4511-33010) |  |
| entryRelationship | 1..\* | SHALL |  | [4511-33005](#C_4511-33005) |  |
| @typeCode | 1..1 | SHALL |  | [4511-33069](#C_4511-33069) | urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = COMP |
| procedure | 1..1 | SHALL |  | [4511-33006](#C_4511-33006) | [Planned Additional Orders Procedure (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.3.1:2021-12-01](#E_Planned_Additional_Orders_Procedure) |
| entryRelationship | 0..\* | MAY |  | [4511-33059](#C_4511-33059) |  |
| @typeCode | 1..1 | SHALL |  | [4511-33075](#C_4511-33075) | urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = COMP |
| act | 1..1 | SHALL |  | [4511-33060](#C_4511-33060) | [ePOLST Clinical Instructions (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.5:2021-12-01](#E_ePOLST_Clinical_Instructions) |

1. SHALL contain exactly one [1..1] @classCode="ACT" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:4511-33012).
2. SHALL contain exactly one [1..1] @moodCode="INT" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:4511-33013).
3. SHALL contain exactly one [1..1] templateId (CONF:4511-33004) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.9.275.3.3" (CONF:4511-33008).
   2. SHALL contain exactly one [1..1] @extension="2021-12-01" (CONF:4511-33009).
4. MAY contain zero or more [0..\*] id (CONF:4511-33011).
5. SHALL contain exactly one [1..1] code="100824-2" Additional portable medical orders or instructions (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:4511-33007).

When asserting this code, the implementer SHOULD provide instructional text as **originalText**, indicating "These orders are in addition to those above (e.g., blood products, dialysis); EMS protocols may limit the emergency responder's ability to act on orders in this section."

* 1. This code SHOULD contain zero or one [0..1] originalText (CONF:4511-33010).

1. SHALL contain at least one [1..\*] entryRelationship (CONF:4511-33005) such that it
   1. SHALL contain exactly one [1..1] @typeCode="COMP" (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:4511-33069).
   2. SHALL contain exactly one [1..1] [Planned Additional Orders Procedure](#E_Planned_Additional_Orders_Procedure) (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.3.1:2021-12-01) (CONF:4511-33006).
2. MAY contain zero or more [0..\*] entryRelationship (CONF:4511-33059) such that it
   1. SHALL contain exactly one [1..1] @typeCode="COMP" (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:4511-33075).
   2. SHALL contain exactly one [1..1] [ePOLST Clinical Instructions](#E_ePOLST_Clinical_Instructions) (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.5:2021-12-01) (CONF:4511-33060).

Figure 25: Additional Orders Act (ePOLST) Example

<entry>

<!-- Additional Orders Act (ePOLST) entry template -->

<act classCode="ACT" moodCode="INT">

<templateId root="2.16.840.1.113883.9.275.3.3" extension="2021-12-01"/>

<id root="24f33931-faf1-4f88-be99-2d3e2496d2e4"/>

<code code="100824-2" codeSystem="2.16.840.1.113883.6.1"

codeSystemName="LOINC"

displayName="Additional portable medical orders or instructions">

<originalText>C. Additional Orders or Instructions. These orders are in addition to those above (e.g., blood products, dialysis). [EMS protocols may limit emergency responder ability to act on orders in this section.]</originalText>

<translation nullFlavor="NA"/>

</code>

<entryRelationship typeCode="COMP">

<!-- Planned Additional Orders Procedure entry template -->

<procedure classCode="PROC" moodCode="INT">

<templateId root="2.16.840.1.113883.9.275.3.3.1" extension="2021-12-01"/>

...

</procedure>

</entryRelationship>

<entryRelationship typeCode="COMP">

<!-- ePOLST Clinical Instructions entry template -->

<act classCode="ACT" moodCode="INT">

<templateId root="2.16.840.1.113883.9.275.3.5" extension="2021-12-01"/>

...

</act>

</entryRelationship>

</act>

</entry>

Cardiopulmonary Resuscitation Order Act (ePOLST)

[act: identifier urn:hl7ii:2.16.840.1.113883.9.275.3.1:2021-12-01 (open)]

Published as part of ePOLST: Portable Medical Orders About Resuscitation and Initial Treatment

Table 33: Cardiopulmonary Resuscitation Order Act (ePOLST) Contexts

| Contained By: | Contains: |
| --- | --- |
| [ePOLST Medical Orders Section](#S_ePOLST_Medical_Orders_Section) (required) | [Planned CPR Procedure](#E_Planned_CPR_Procedure) (required)  [ePOLST Clinical Instructions](#E_ePOLST_Clinical_Instructions) (optional) |

This template represents the Cardiopulmonary Resuscitation Orders item in the National POLST Portable Medical Orders form. It specifies the action to take if the patient has no pulse and is not breathing.

This template is required. Implementers SHOULD provide form-specific code text as **originalText**, and MAY include additional instructions to the authoring or receiving clinician using the ePOLST Clinical Instructions template.

Table 34: Cardiopulmonary Resuscitation Order Act (ePOLST) Constraints Overview

| XPath | Card. | Verb | Data Type | CONF# | Value |
| --- | --- | --- | --- | --- | --- |
| act (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.1:2021-12-01) | | | | | |
| @classCode | 1..1 | SHALL |  | [4511-17476](#C_4511-17476) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ACT |
| @moodCode | 1..1 | SHALL |  | [4511-17477](#C_4511-17477) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = INT |
| templateId | 1..1 | SHALL |  | [4511-17467](#C_4511-17467) |  |
| @root | 1..1 | SHALL |  | [4511-17478](#C_4511-17478) | 2.16.840.1.113883.9.275.3.1 |
| @extension | 1..1 | SHALL |  | [4511-32959](#C_4511-32959) | 2021-12-01 |
| id | 0..\* | MAY |  | [4511-17475](#C_4511-17475) |  |
| code | 1..1 | SHALL |  | [4511-17474](#C_4511-17474) | urn:oid:2.16.840.1.113883.6.1 (LOINC) = 100822-6 |
| originalText | 0..1 | SHOULD |  | [4511-32958](#C_4511-32958) |  |
| entryRelationship | 1..1 | SHALL |  | [4511-17468](#C_4511-17468) |  |
| @typeCode | 1..1 | SHALL |  | [4511-33071](#C_4511-33071) | urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = COMP |
| procedure | 1..1 | SHALL |  | [4511-32960](#C_4511-32960) | [Planned CPR Procedure (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.1.1:2021-12-01](#E_Planned_CPR_Procedure) |
| entryRelationship | 0..\* | MAY |  | [4511-33061](#C_4511-33061) |  |
| @typeCode | 1..1 | SHALL |  | [4511-33072](#C_4511-33072) | urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = COMP |
| act | 1..1 | SHALL |  | [4511-33062](#C_4511-33062) | [ePOLST Clinical Instructions (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.5:2021-12-01](#E_ePOLST_Clinical_Instructions) |

1. SHALL contain exactly one [1..1] @classCode="ACT" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:4511-17476).
2. SHALL contain exactly one [1..1] @moodCode="INT" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:4511-17477).
3. SHALL contain exactly one [1..1] templateId (CONF:4511-17467) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.9.275.3.1" (CONF:4511-17478).
   2. SHALL contain exactly one [1..1] @extension="2021-12-01" (CONF:4511-32959).
4. MAY contain zero or more [0..\*] id (CONF:4511-17475).
5. SHALL contain exactly one [1..1] code="100822-6" Cardiopulmonary resuscitation orders (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:4511-17474).

When asserting this code, the implementer SHOULD provide instructional text as **originalText**, indicating "Follow these orders if patient has no pulse and is not breathing."

* 1. This code SHOULD contain zero or one [0..1] originalText (CONF:4511-32958).

The Planned CPR Procedure entryRelationship represents the one procedure order selected.

1. SHALL contain exactly one [1..1] entryRelationship (CONF:4511-17468) such that it
   1. SHALL contain exactly one [1..1] @typeCode="COMP" (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:4511-33071).
   2. SHALL contain exactly one [1..1] [Planned CPR Procedure](#E_Planned_CPR_Procedure) (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.1.1:2021-12-01) (CONF:4511-32960).

The ePOLST Clinical Instructions entryRelationship provides the option to include clinical instructions that need to be present on an exchange of an ePOLST document. This is for clinical instructions only.

1. MAY contain zero or more [0..\*] entryRelationship (CONF:4511-33061) such that it
   1. SHALL contain exactly one [1..1] @typeCode="COMP" (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:4511-33072).
   2. SHALL contain exactly one [1..1] [ePOLST Clinical Instructions](#E_ePOLST_Clinical_Instructions) (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.5:2021-12-01) (CONF:4511-33062).

Figure 26: Cardiopulmonary Resuscitation Order Act (ePOLST) Example

<entry>

<!-- Cardiopulmonary Resuscitation Order Act (ePOLST) entry template -->

<act classCode="ACT" moodCode="INT">

<templateId root="2.16.840.1.113883.9.275.3.1" extension="2021-12-01"/>

<id root="51ac291d-fc5e-4ac1-bb81-5cc9b8df7bf8"/>

<code code="100822-6" codeSystem="2.16.840.1.113883.6.1"

codeSystemName="LOINC"

displayName="Cardiopulmonary resuscitation orders">

<originalText>A. Cardiopulmonary Resuscitation Orders. Follow these

orders if patient has no pulse and is not breathing.</originalText>

</code>

<entryRelationship typeCode="COMP">

<!-- Planned CPR Procedure entry template -->

<procedure classCode="PROC" moodCode="INT">

<templateId root="2.16.840.1.113883.9.275.3.1.1" extension="2021-12-01"/>

...

</procedure>

</entryRelationship>

<entryRelationship typeCode="COMP">

<!-- ePOLST Clinical Instructions entry template -->

<act classCode="ACT" moodCode="INT">

<templateId root="2.16.840.1.113883.9.275.3.5" extension="2021-12-01"/>

...

</act>

</entryRelationship>

</act>

</entry>

ePOLST Administrative Information

[act: identifier urn:hl7ii:2.16.840.1.113883.9.275.3.6:2021-12-01 (open)]

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Table 35: ePOLST Administrative Information Contexts

| Contained By: | Contains: |
| --- | --- |
| [ePOLST Medical Orders Section](#S_ePOLST_Medical_Orders_Section) (optional)  [ePOLST Completion Information Section](#S_ePOLST_Completion_Information_Section) (optional) |  |

This template provides implementers the option to include administrative, instructional, and/or legal information that must be present on an exchange of an ePOLST document.

Table 36: ePOLST Administrative Information Constraints Overview

| XPath | Card. | Verb | Data Type | CONF# | Value |
| --- | --- | --- | --- | --- | --- |
| act (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.6:2021-12-01) | | | | | |
| @classCode | 1..1 | SHALL |  | [4511-33054](#C_4511-33054) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ACT |
| @moodCode | 1..1 | SHALL |  | [4511-33055](#C_4511-33055) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = INT |
| templateId | 1..1 | SHALL |  | [4511-33051](#C_4511-33051) |  |
| @root | 1..1 | SHALL |  | [4511-33052](#C_4511-33052) | 2.16.840.1.113883.9.275.3.6 |
| @extension | 1..1 | SHALL |  | [4511-33053](#C_4511-33053) | 2021-12-01 |
| code | 1..1 | SHALL |  | [4511-33152](#C_4511-33152) | urn:oid:2.16.840.1.113883.6.1 (LOINC) = 100828-3 |
| text | 1..1 | SHALL |  | [4511-33056](#C_4511-33056) |  |

1. SHALL contain exactly one [1..1] @classCode="ACT" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 STATIC) (CONF:4511-33054).
2. SHALL contain exactly one [1..1] @moodCode="INT" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 STATIC) (CONF:4511-33055).
3. SHALL contain exactly one [1..1] templateId (CONF:4511-33051) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.9.275.3.6" (CONF:4511-33052).
   2. SHALL contain exactly one [1..1] @extension="2021-12-01" (CONF:4511-33053).
4. SHALL contain exactly one [1..1] code="100828-3" Portable medical order administrative information (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:4511-33152).
5. SHALL contain exactly one [1..1] text (CONF:4511-33056).

Figure 27: ePOLST Administrative Information Example

<entry>

<act classCode="ACT" moodCode="INT">

<templateId root="2.16.840.1.113883.9.275.3.6" extension="2021-12-01"/>

<id root="61c73d9d-2775-4030-b4bc-715f637e75b8"/>

<code code="100828-3" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Portable medical order administrative information"></code>

<text> Reviewed patient’s advance directive to confirm no conflict with POLST orders. (A POLST form does not replace an advance directive or living will.) Check everyone who participated in discussion. </text>

</act>

</entry>

ePOLST Clinical Instructions

[act: identifier urn:hl7ii:2.16.840.1.113883.9.275.3.5:2021-12-01 (open)]

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Table 37: ePOLST Clinical Instructions Contexts

| Contained By: | Contains: |
| --- | --- |
| [Cardiopulmonary Resuscitation Order Act (ePOLST)](#E_CPR_Order_Act) (optional)  [Initial Treatment Orders Act (ePOLST)](#E_Initial_Treatment_Orders_Act_ePOLST) (optional)  [Additional Orders Act (ePOLST)](#E_Additional_Orders_Act_ePOLST) (optional)  [Medically Assisted Nutrition Orders Act (ePOLST)](#E_Medically_Assisted_Nutrition_Orders_A) (optional)  [ePOLST Medical Orders Section](#S_ePOLST_Medical_Orders_Section) (optional) |  |

This template provides implementers the option to include clinical instructions that need to be present on an exchange of an ePOLST document. This is for clinical instructions only.

Table 38: ePOLST Clinical Instructions Constraints Overview

| XPath | Card. | Verb | Data Type | CONF# | Value |
| --- | --- | --- | --- | --- | --- |
| act (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.5:2021-12-01) | | | | | |
| @classCode | 1..1 | SHALL |  | [4511-7391](#C_4511-7391) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ACT |
| @moodCode | 1..1 | SHALL |  | [4511-7392](#C_4511-7392) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = INT |
| templateId | 1..1 | SHALL |  | [4511-7393](#C_4511-7393) |  |
| @root | 1..1 | SHALL |  | [4511-10503](#C_4511-10503) | 2.16.840.1.113883.9.275.3.5 |
| @extension | 1..1 | SHALL |  | [4511-32598](#C_4511-32598) | 2021-12-01 |
| code | 1..1 | SHALL |  | [4511-33153](#C_4511-33153) | urn:oid:2.16.840.1.113883.6.1 (LOINC) = 55752-0 |
| text | 1..1 | SHALL |  | [4511-33050](#C_4511-33050) |  |
| reference | 0..1 | SHOULD |  | [4511-33179](#C_4511-33179) |  |
| @typeCode | 1..1 | SHALL |  | [4511-33182](#C_4511-33182) | REFR |
| externalDocument | 1..1 | SHALL |  | [4511-33180](#C_4511-33180) |  |
| id | 1..\* | SHALL |  | [4511-33183](#C_4511-33183) |  |
| text | 0..1 | MAY |  | [4511-33181](#C_4511-33181) |  |
| reference | 0..1 | MAY |  | [4511-33184](#C_4511-33184) |  |

1. SHALL contain exactly one [1..1] @classCode="ACT" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 STATIC) (CONF:4511-7391).
2. SHALL contain exactly one [1..1] @moodCode="INT" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 STATIC) (CONF:4511-7392).
3. SHALL contain exactly one [1..1] templateId (CONF:4511-7393) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.9.275.3.5" (CONF:4511-10503).
   2. SHALL contain exactly one [1..1] @extension="2021-12-01" (CONF:4511-32598).
4. SHALL contain exactly one [1..1] code="55752-0" Clinical information (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:4511-33153).
5. SHALL contain exactly one [1..1] text (CONF:4511-33050).

If available electronically, list the URL of the blank POLST form to provide the context for the clinical instructions.

1. SHOULD contain zero or one [0..1] reference (CONF:4511-33179) such that it
   1. SHALL contain exactly one [1..1] @typeCode="REFR" (CONF:4511-33182).
   2. SHALL contain exactly one [1..1] externalDocument (CONF:4511-33180).
      1. This externalDocument SHALL contain at least one [1..\*] id (CONF:4511-33183).
      2. This externalDocument MAY contain zero or one [0..1] text (CONF:4511-33181).
         1. The text, if present, MAY contain zero or one [0..1] reference (CONF:4511-33184).
            1. The URL of a referenced POLST Portable Medical Order About Life Sustaining Treatment document MAY be present, and SHALL be represented in Observation/reference/ExternalDocument/text/reference (CONF:4511-33185).
            2. If a URL is referenced, then it SHOULD have a corresponding linkHTML element in narrative block (CONF:4511-33186).

Figure 28: ePOLST Clinical Instructions Example

<entry>

<act classCode="ACT" moodCode="INT">

<templateId root="2.16.840.1.113883.9.275.3.5" extension="2021-12-01"/>

<id root="61c73d9d-2775-4030-b4bc-715f637e75b8"/>

<code code="55752-0" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Clinical information"></code>

<text> Health care providers should complete this form only after a conversation with their patient or the patient’s representative.

The POLST decision-making process is for patients who are at risk for a life-threatening clinical event because they have a serious life-limiting medical condition, which may include advanced frailty (www.polst.org/guidance-appropriate-patients-pdf).

</text>

<!-- The reference in this ePOLST Clinical Instructions entry template here can point to the relevant blank POLST form.-->

<reference typeCode="REFR">

<externalDocument>

<id root="61c73d9d-2744-4030-b4bc-715f637e75b8"/>

<text>ePOLST Portable Medical Orders National Form. See https://polst.org/wp-content/uploads/2021/03/2020.05.11-National-POLST-Form-with-Instructions-r2.pdf</text>

</externalDocument>

</reference>

</act>

</entry>

Initial Treatment Orders Act (ePOLST)

[act: identifier urn:hl7ii:2.16.840.1.113883.9.275.3.2:2021-12-01 (open)]

Published as part of ePOLST: Portable Medical Orders About Resuscitation and Initial Treatment

Table 39: Initial Treatment Orders Act (ePOLST) Contexts

| Contained By: | Contains: |
| --- | --- |
| [ePOLST Medical Orders Section](#S_ePOLST_Medical_Orders_Section) (required) | [Planned Initial Treatment Procedure](#E_Planned_Initial_Treatment_Procedure) (required)  [ePOLST Clinical Instructions](#E_ePOLST_Clinical_Instructions) (optional) |

This template represents the Initial Treatment Orders item in the National POLST Portable Medical Orders form. It specifies the action to take if the patient has a pulse and/or is breathing.

This template is required. Implementers SHOULD provide form-specific code text as **originalText**, and MAY include additional instructions to the authoring or receiving clinician using the ePOLST Clinical Instructions template.

Table 40: Initial Treatment Orders Act (ePOLST) Constraints Overview

| XPath | Card. | Verb | Data Type | CONF# | Value |
| --- | --- | --- | --- | --- | --- |
| act (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.2:2021-12-01) | | | | | |
| @classCode | 1..1 | SHALL |  | [4511-33002](#C_4511-33002) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ACT |
| @moodCode | 1..1 | SHALL |  | [4511-33003](#C_4511-33003) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = INT |
| templateId | 1..1 | SHALL |  | [4511-32994](#C_4511-32994) |  |
| @root | 1..1 | SHALL |  | [4511-32998](#C_4511-32998) | 2.16.840.1.113883.9.275.3.2 |
| @extension | 1..1 | SHALL |  | [4511-32999](#C_4511-32999) | 2021-12-01 |
| id | 0..\* | MAY |  | [4511-33001](#C_4511-33001) |  |
| code | 1..1 | SHALL |  | [4511-32997](#C_4511-32997) | urn:oid:2.16.840.1.113883.6.1 (LOINC) = 100823-4 |
| originalText | 0..1 | SHOULD |  | [4511-33000](#C_4511-33000) |  |
| entryRelationship | 1..1 | SHALL |  | [4511-32995](#C_4511-32995) |  |
| @typeCode | 1..1 | SHALL |  | [4511-33073](#C_4511-33073) | urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = COMP |
| procedure | 1..1 | SHALL |  | [4511-32996](#C_4511-32996) | [Planned Initial Treatment Procedure (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.2.1:2021-12-01](#E_Planned_Initial_Treatment_Procedure) |
| entryRelationship | 0..\* | MAY |  | [4511-33063](#C_4511-33063) |  |
| @typeCode | 1..1 | SHALL |  | [4511-33074](#C_4511-33074) | urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = COMP |
| act | 1..1 | SHALL |  | [4511-33064](#C_4511-33064) | [ePOLST Clinical Instructions (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.5:2021-12-01](#E_ePOLST_Clinical_Instructions) |

1. SHALL contain exactly one [1..1] @classCode="ACT" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:4511-33002).
2. SHALL contain exactly one [1..1] @moodCode="INT" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:4511-33003).
3. SHALL contain exactly one [1..1] templateId (CONF:4511-32994) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.9.275.3.2" (CONF:4511-32998).
   2. SHALL contain exactly one [1..1] @extension="2021-12-01" (CONF:4511-32999).
4. MAY contain zero or more [0..\*] id (CONF:4511-33001).
5. SHALL contain exactly one [1..1] code="100823-4" Initial portable medical treatment orders (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:4511-32997).

When asserting this code, the implementer SHOULD provide instructional text as **originalText**, indicating "Follow these orders if patient has a pulse and/or is breathing."

* 1. This code SHOULD contain zero or one [0..1] originalText (CONF:4511-33000).

1. SHALL contain exactly one [1..1] entryRelationship (CONF:4511-32995) such that it
   1. SHALL contain exactly one [1..1] @typeCode="COMP" (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:4511-33073).
   2. SHALL contain exactly one [1..1] [Planned Initial Treatment Procedure](#E_Planned_Initial_Treatment_Procedure) (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.2.1:2021-12-01) (CONF:4511-32996).
2. MAY contain zero or more [0..\*] entryRelationship (CONF:4511-33063) such that it
   1. SHALL contain exactly one [1..1] @typeCode="COMP" (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:4511-33074).
   2. SHALL contain exactly one [1..1] [ePOLST Clinical Instructions](#E_ePOLST_Clinical_Instructions) (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.5:2021-12-01) (CONF:4511-33064).

Figure 29: Initial Treatment Orders Act (ePOLST) Example

<entry>

<!-- Initial Treatment Orders Act (ePOLST) entry template -->

<act classCode="ACT" moodCode="INT">

<templateId root="2.16.840.1.113883.9.275.3.2" extension="2021-12-01"/>

<id root="61c73d9d-2775-4030-b4bc-715f637e75b8"/>

<code code="100823-4" codeSystem="2.16.840.1.113883.6.1"

codeSystemName="LOINC" displayName="Initial portable medical treatment orders">

<originalText>B. Initial Treatment Orders. Follow these orders if patient has a pulse and/or is breathing.</originalText>

</code>

<entryRelationship typeCode="COMP">

<!-- Planned Initial Treatment Procedure entry template -->

<procedure classCode="PROC" moodCode="INT">

<templateId root="2.16.840.1.113883.9.275.3.2.1" extension="2021-12-01"/>

...

</procedure>

</entryRelationship>

<entryRelationship typeCode="COMP">

<!-- ePOLST Clinical Instructions entry template -->

<act classCode="ACT" moodCode="INT">

<templateId root="2.16.840.1.113883.9.275.3.5" extension="2021-12-01"/>

...

</act>

</entryRelationship>

</act>

</entry>

Medically Assisted Nutrition Orders Act (ePOLST)

[act: identifier urn:hl7ii:2.16.840.1.113883.9.275.3.4:2021-12-01 (open)]

Published as part of ePOLST: Portable Medical Orders About Resuscitation and Initial Treatment

Table 41: Medically Assisted Nutrition Orders Act (ePOLST) Contexts

| Contained By: | Contains: |
| --- | --- |
| [ePOLST Medical Orders Section](#S_ePOLST_Medical_Orders_Section) (required) | [Planned Medically Assisted Nutrition Orders Procedure](#E_Planned_Medically_Assisted_Nutrition_) (required)  [ePOLST Clinical Instructions](#E_ePOLST_Clinical_Instructions) (optional) |

This template represents the Medically Assisted Nutrition item in the National POLST Portable Medical Orders form. The provider should offer food by mouth if desired and tolerated by the patient and is considered safe.

This template is required. Implementers SHOULD provide form-specific code text as **originalText**, and MAY include additional instructions to the authoring or receiving clinician using the ePOLST Clinical Instructions template.

Table 42: Medically Assisted Nutrition Orders Act (ePOLST) Constraints Overview

| XPath | Card. | Verb | Data Type | CONF# | Value |
| --- | --- | --- | --- | --- | --- |
| act (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.4:2021-12-01) | | | | | |
| @classCode | 1..1 | SHALL |  | [4511-33022](#C_4511-33022) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ACT |
| @moodCode | 1..1 | SHALL |  | [4511-33023](#C_4511-33023) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = INT |
| templateId | 1..1 | SHALL |  | [4511-33014](#C_4511-33014) |  |
| @root | 1..1 | SHALL |  | [4511-33018](#C_4511-33018) | 2.16.840.1.113883.9.275.3.4 |
| @extension | 1..1 | SHALL |  | [4511-33019](#C_4511-33019) | 2021-12-01 |
| id | 0..\* | MAY |  | [4511-33021](#C_4511-33021) |  |
| code | 1..1 | SHALL |  | [4511-33017](#C_4511-33017) | urn:oid:2.16.840.1.113883.6.1 (LOINC) = 100825-9 |
| originalText | 0..1 | SHOULD |  | [4511-33020](#C_4511-33020) |  |
| entryRelationship | 1..1 | SHALL |  | [4511-33015](#C_4511-33015) |  |
| @typeCode | 1..1 | SHALL |  | [4511-33076](#C_4511-33076) | urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = COMP |
| procedure | 1..1 | SHALL |  | [4511-33016](#C_4511-33016) | [Planned Medically Assisted Nutrition Orders Procedure (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.4.1:2021-12-01](#E_Planned_Medically_Assisted_Nutrition_) |
| entryRelationship | 0..\* | MAY |  | [4511-33065](#C_4511-33065) |  |
| @typeCode | 1..1 | SHALL |  | [4511-33077](#C_4511-33077) | urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = COMP |
| act | 1..1 | SHALL |  | [4511-33066](#C_4511-33066) | [ePOLST Clinical Instructions (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.5:2021-12-01](#E_ePOLST_Clinical_Instructions) |

1. SHALL contain exactly one [1..1] @classCode="ACT" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:4511-33022).
2. SHALL contain exactly one [1..1] @moodCode="INT" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:4511-33023).
3. SHALL contain exactly one [1..1] templateId (CONF:4511-33014) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.9.275.3.4" (CONF:4511-33018).
   2. SHALL contain exactly one [1..1] @extension="2021-12-01" (CONF:4511-33019).
4. MAY contain zero or more [0..\*] id (CONF:4511-33021).
5. SHALL contain exactly one [1..1] code="100825-9" Medically assisted nutrition orders (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:4511-33017).

When asserting this code, the implementer SHOULD provide instructional text as **originalText**, indicating "Offer food by mouth if desired and tolerated by the patient, and is considered safe."

* 1. This code SHOULD contain zero or one [0..1] originalText (CONF:4511-33020).

1. SHALL contain exactly one [1..1] entryRelationship (CONF:4511-33015) such that it
   1. SHALL contain exactly one [1..1] @typeCode="COMP" (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:4511-33076).
   2. SHALL contain exactly one [1..1] [Planned Medically Assisted Nutrition Orders Procedure](#E_Planned_Medically_Assisted_Nutrition_) (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.4.1:2021-12-01) (CONF:4511-33016).
2. MAY contain zero or more [0..\*] entryRelationship (CONF:4511-33065) such that it
   1. SHALL contain exactly one [1..1] @typeCode="COMP" (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:4511-33077).
   2. SHALL contain exactly one [1..1] [ePOLST Clinical Instructions](#E_ePOLST_Clinical_Instructions) (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.5:2021-12-01) (CONF:4511-33066).

Figure 30: Medically Assisted Nutrition Orders Act (ePOLST) Example

<entry>

<!-- Medically Assisted Nutrition Orders Act entry template -->

<act classCode="ACT" moodCode="INT">

<templateId root="2.16.840.1.113883.9.275.3.4" extension="2021-12-01"/>

<id root="43c286c9-9958-4907-9566-224fe3aca37a"/>

<code code="100825-9" codeSystem="2.16.840.1.113883.6.1"

codeSystemName="LOINC" displayName="Medically assisted nutrition orders">

<originalText>D. Medically Assisted Nutrition (Offer food by mouth if desired by patient, safe and tolerated)</originalText>

<translation nullFlavor="NA"/>

</code>

<entryRelationship typeCode="COMP">

<!-- Planned Medically Assisted Nutrition Orders Procedure entry template -->

<procedure classCode="PROC" moodCode="INT">

<templateId root="2.16.840.1.113883.9.275.3.4.1" extension="2021-12-01"/>

...

</procedure>

</entryRelationship>

<entryRelationship typeCode="COMP">

<!-- ePOLST Clinical Instructions entry template -->

<act classCode="ACT" moodCode="INT">

<templateId root="2.16.840.1.113883.9.275.3.5" extension="2021-12-01"/>

...

</act>

</entryRelationship>

</act>

</entry>

Orders Participants (ePOLST)

[observation: identifier urn:hl7ii:2.16.840.1.113883.9.275.3.8:2022-08-21 (open)]

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Table 43: Orders Participants (ePOLST) Contexts

| Contained By: | Contains: |
| --- | --- |
| [ePOLST Completion Information Section](#S_ePOLST_Completion_Information_Section) (optional) |  |

This template contains information on who participated in discussions about these portable medical orders.

Table 44: Orders Participants (ePOLST) Constraints Overview

| XPath | Card. | Verb | Data Type | CONF# | Value |
| --- | --- | --- | --- | --- | --- |
| observation (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.8:2022-08-21) | | | | | |
| @classCode | 1..1 | SHALL |  | [4511-33238](#C_4511-33238) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS |
| @moodCode | 1..1 | SHALL |  | [4511-33239](#C_4511-33239) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN |
| templateId | 1..1 | SHALL |  | [4511-33232](#C_4511-33232) |  |
| @root | 1..1 | SHALL |  | [4511-33234](#C_4511-33234) | 2.16.840.1.113883.9.275.3.8 |
| @extension | 1..1 | SHALL |  | [4511-33235](#C_4511-33235) | 2022-08-21 |
| id | 0..\* | MAY |  | [4511-33237](#C_4511-33237) |  |
| code | 1..1 | SHALL |  | [4511-33233](#C_4511-33233) | urn:oid:2.16.840.1.113883.6.1 (LOINC) = 100827-5 |
| originalText | 0..1 | SHOULD |  | [4511-33236](#C_4511-33236) |  |
| value | 0..\* | MAY |  | [4511-33240](#C_4511-33240) | urn:oid:2.16.840.1.113883.9.275.4.5 (ePOLST Participant Values) |

1. SHALL contain exactly one [1..1] @classCode="OBS" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:4511-33238).
2. SHALL contain exactly one [1..1] @moodCode="EVN" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:4511-33239).
3. SHALL contain exactly one [1..1] templateId (CONF:4511-33232) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.9.275.3.8" (CONF:4511-33234).
   2. SHALL contain exactly one [1..1] @extension="2022-08-21" (CONF:4511-33235).
4. MAY contain zero or more [0..\*] id (CONF:4511-33237).
5. SHALL contain exactly one [1..1] code="100827-5" Portable medical order discussion participants (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:4511-33233).

When asserting this code, the implementer SHOULD provide instructional text as **originalText**, indicating “List everyone who participated in ePOLST and/or advance directives review discussions."

* 1. This code SHOULD contain zero or one [0..1] originalText (CONF:4511-33236).

1. MAY contain zero or more [0..\*] value, which SHOULD be selected from ValueSet [ePOLST Participant Values](#ePOLST_Participant_Values) urn:oid:2.16.840.1.113883.9.275.4.5 STATIC 2022-08-21 (CONF:4511-33240).

Table 45: ePOLST Participant Values

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: ePOLST Participant Values urn:oid:2.16.840.1.113883.9.275.4.5  This value set represents the participants in a review of this ePOLST and an advance directive, if such exists for this patient.  Value Set Source: <https://loinc.org/100827-5/> | | | |
| Code | Code System | Code System OID | Print Name |
| LA33482-3 | LOINC | urn:oid:2.16.840.1.113883.6.1 | Patient with decision-making capacity |
| LA33483-1 | LOINC | urn:oid:2.16.840.1.113883.6.1 | Court appointed guardian |
| LA33485-6 | LOINC | urn:oid:2.16.840.1.113883.6.1 | Parent of minor |
| LA33487-2 | LOINC | urn:oid:2.16.840.1.113883.6.1 | Legal surrogate/health care agent |
| LA46-8 | LOINC | urn:oid:2.16.840.1.113883.6.1 | Other |

Figure 31: Orders Participants (ePOLST) Example

<entry>

<observation classCode="OBS" moodCode="EVN">

<templateId root="2.16.840.1.113883.9.275.3.8" extension="2022-08-21"/>

<id root="752c8114-46b0-44db-af46-561a672f30ff"/>

<code code="100827-5" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Portable medical order discussion participants">

<originalText>Check everyone who participated in discussion:</originalText>

<translation nullFlavor="NA"/>

</code>

<!-- Codes must be selected from the value set defined in the guidance. More than one value may be selected. Select all that apply.-->

<!-- In this example , two values have been selected been selected.-->

<value xsi:type="CD" code="LA33487-2" displayName="Legal surrogate/health care agent" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"/>

<value xsi:type="CD" code="LA33482-3" displayName="Patient with decision-making capacity" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"/>

</observation>

</entry>

Orders Review (ePOLST)

[observation: identifier urn:hl7ii:2.16.840.1.113883.9.275.3.7:2021-12-01 (open)]

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Table 46: Orders Review (ePOLST) Contexts

| Contained By: | Contains: |
| --- | --- |
| [ePOLST Completion Information Section](#S_ePOLST_Completion_Information_Section) (optional) |  |

This template contains information on a review of this ePOLST and an advance directive, if such exists for this patient. If an advance directive document or other instructions were reviewed with the patient, then include a pointer to the source in the observation template’s reference/externalDocument element.

Table 47: Orders Review (ePOLST) Constraints Overview

| XPath | Card. | Verb | Data Type | CONF# | Value |
| --- | --- | --- | --- | --- | --- |
| observation (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.7:2021-12-01) | | | | | |
| @classCode | 1..1 | SHALL |  | [4511-33124](#C_4511-33124) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS |
| @moodCode | 1..1 | SHALL |  | [4511-33125](#C_4511-33125) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN |
| templateId | 1..1 | SHALL |  | [4511-33157](#C_4511-33157) |  |
| @root | 1..1 | SHALL |  | [4511-33162](#C_4511-33162) | 2.16.840.1.113883.9.275.3.7 |
| @extension | 1..1 | SHALL |  | [4511-33163](#C_4511-33163) | 2021-12-01 |
| id | 0..\* | MAY |  | [4511-33170](#C_4511-33170) |  |
| code | 1..1 | SHALL |  | [4511-33161](#C_4511-33161) | urn:oid:2.16.840.1.113883.6.1 (LOINC) = 100826-7 |
| originalText | 0..1 | SHOULD |  | [4511-33169](#C_4511-33169) |  |
| value | 0..\* | MAY |  | [4511-33171](#C_4511-33171) | urn:oid:2.16.840.1.113883.9.275.4.4 (ePOLST Review Values) |

1. SHALL contain exactly one [1..1] @classCode="OBS" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:4511-33124).
2. SHALL contain exactly one [1..1] @moodCode="EVN" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:4511-33125).
3. SHALL contain exactly one [1..1] templateId (CONF:4511-33157) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.9.275.3.7" (CONF:4511-33162).
   2. SHALL contain exactly one [1..1] @extension="2021-12-01" (CONF:4511-33163).
4. MAY contain zero or more [0..\*] id (CONF:4511-33170).
5. SHALL contain exactly one [1..1] code="100826-7" Portable medical order AndOr advance directive review (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:4511-33161).

When asserting this code, the implementer SHOULD provide instructional text as **originalText**, indicating “The patient’s advance directive was reviewed for conflicts with these ePOLST Medical Orders."

* 1. This code SHOULD contain zero or one [0..1] originalText (CONF:4511-33169).

1. MAY contain zero or more [0..\*] value, which SHOULD be selected from ValueSet [ePOLST Review Values](#ePOLST_Review_Values) urn:oid:2.16.840.1.113883.9.275.4.4 STATIC 2021-12-01 (CONF:4511-33171).

Table 48: ePOLST Review Values

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: ePOLST Review Values urn:oid:2.16.840.1.113883.9.275.4.4  This value set represents the outcomes of a review of this ePOLST and an advance directive, if such exists for this patient.  Value Set Source: <https://loinc.org/100826-7/> | | | |
| Code | Code System | Code System OID | Print Name |
| LA33476-5 | LOINC | urn:oid:2.16.840.1.113883.6.1 | Yes the document was reviewed |
| LA33478-1 | LOINC | urn:oid:2.16.840.1.113883.6.1 | Conflict exists, notified patient |
| LA33479-9 | LOINC | urn:oid:2.16.840.1.113883.6.1 | Advance directive not available |
| LA33481-5 | LOINC | urn:oid:2.16.840.1.113883.6.1 | No advance directive exists |

Figure 32: Orders Review (ePOLST) Example

<entry>

<observation classCode="OBS" moodCode="EVN">

<templateId root="2.16.840.1.113883.9.275.3.7" extension="2021-12-01"/>

<id root="752c8114-46b0-44db-af46-561a672f30ff"/>

<code code="100826-7" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Portable medical order AndOr advance directive review">

<originalText>Reviewed patient’s advance directive to confirm no conflict with POLST orders. Check everyone who participated in discussion: </originalText>

<translation nullFlavor="NA"/>

</code>

<!-- Codes must be selected from the value set defined in the guidance. More than one value may be selected. Select all that apply.-->

<!-- In this example, two values have been selected been selected.-->

<value xsi:type="CD" code="LA33476-5" displayName="Yes the document was reviewed" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"/>

<value xsi:type="CD" code="LA33481-5" displayName="No advance directive exists" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"/>

</observation>

</entry>

Planned Additional Orders Procedure

[procedure: identifier urn:hl7ii:2.16.840.1.113883.9.275.3.3.1:2021-12-01 (open)]

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Table 49: Planned Additional Orders Procedure Contexts

| Contained By: | Contains: |
| --- | --- |
| [Additional Orders Act (ePOLST)](#E_Additional_Orders_Act_ePOLST) (required) |  |

This template represents any additional planned order procedures, which reflect the planned orders the clinician or care provider discussed with the patient or patient representative.

For example, this template may contain orders to not provide blood products, or to not intubate the patient.

A Null is not an acceptable value, instead a statement such as "No additional orders" should be included.

Table 50: Planned Additional Orders Procedure Constraints Overview

| XPath | Card. | Verb | Data Type | CONF# | Value |
| --- | --- | --- | --- | --- | --- |
| procedure (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.3.1:2021-12-01) | | | | | |
| @classCode | 1..1 | SHALL |  | [4511-32980](#C_4511-32980) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = PROC |
| @moodCode | 1..1 | SHALL |  | [4511-32981](#C_4511-32981) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = INT |
| templateId | 1..1 | SHALL |  | [4511-32972](#C_4511-32972) |  |
| @root | 1..1 | SHALL |  | [4511-32975](#C_4511-32975) | 2.16.840.1.113883.9.275.3.3.1 |
| @extension | 1..1 | SHALL |  | [4511-32976](#C_4511-32976) | 2021-12-01 |
| id | 0..\* | MAY |  | [4511-32982](#C_4511-32982) |  |
| code | 0..1 | MAY |  | [4511-32974](#C_4511-32974) |  |
| text | 0..1 | MAY |  | [4511-33025](#C_4511-33025) |  |
| statusCode | 0..1 | SHOULD |  | [4511-32973](#C_4511-32973) |  |
| @code | 1..1 | SHALL |  | [4511-32977](#C_4511-32977) | urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = active |

1. SHALL contain exactly one [1..1] @classCode="PROC" procedure (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 STATIC) (CONF:4511-32980).
2. SHALL contain exactly one [1..1] @moodCode="INT" intent (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 STATIC) (CONF:4511-32981).
3. SHALL contain exactly one [1..1] templateId (CONF:4511-32972) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.9.275.3.3.1" (CONF:4511-32975).
   2. SHALL contain exactly one [1..1] @extension="2021-12-01" (CONF:4511-32976).
4. MAY contain zero or more [0..\*] id (CONF:4511-32982).

Additional orders MAY be represented by SNOMED and/or LOINC codes.

1. MAY contain zero or one [0..1] code (CONF:4511-32974).

Additional orders MAY be described in text.

1. MAY contain zero or one [0..1] text (CONF:4511-33025).
2. SHOULD contain zero or one [0..1] statusCode (CONF:4511-32973).
   1. The statusCode, if present, SHALL contain exactly one [1..1] @code="active" Active (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:4511-32977).

Figure 33: Planned Additional Orders Procedure Example

<procedure classCode="PROC" moodCode="INT">

<templateId root="2.16.840.1.113883.9.275.3.3.1" extension="2021-12-01"/>

<id root="75bc54ba-47f0-4330-b4ad-179d26e4f930"/>

<!-- This is entry allows free text and coded entries. A Null entry is NOT allowed. At a minimum, text indicating "No additional orders" should be included. -->

<!-- In this example, free text was used, and no code was included.-->

<code nullFlavor="NA"/>

<text>No additional orders.</text>

<statusCode code="active"/>

</procedure>

Planned CPR Procedure

[procedure: identifier urn:hl7ii:2.16.840.1.113883.9.275.3.1.1:2021-12-01 (open)]

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Table 51: Planned CPR Procedure Contexts

| Contained By: | Contains: |
| --- | --- |
| [Cardiopulmonary Resuscitation Order Act (ePOLST)](#E_CPR_Order_Act) (required) |  |

This template represents the planned cardiopulmonary resuscitation (CPR) procedure, which reflects the planned order the clinician or care provider discussed with the patient or patient representative. State-specific text may be added in the **originalText** to fully describe the code meaning.

A Null is not an acceptable value. Any additional order may be placed in the Planned Additional Orders Procedure template.

Table 52: Planned CPR Procedure Constraints Overview

| XPath | Card. | Verb | Data Type | CONF# | Value |
| --- | --- | --- | --- | --- | --- |
| procedure (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.1.1:2021-12-01) | | | | | |
| @classCode | 1..1 | SHALL |  | [4511-8568](#C_4511-8568) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = PROC |
| @moodCode | 1..1 | SHALL |  | [4511-8569](#C_4511-8569) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = INT |
| templateId | 1..1 | SHALL |  | [4511-30444](#C_4511-30444) |  |
| @root | 1..1 | SHALL |  | [4511-30445](#C_4511-30445) | 2.16.840.1.113883.9.275.3.1.1 |
| @extension | 1..1 | SHALL |  | [4511-32955](#C_4511-32955) | 2021-12-01 |
| id | 0..\* | MAY |  | [4511-8571](#C_4511-8571) |  |
| code | 1..1 | SHALL |  | [4511-31976](#C_4511-31976) | urn:oid:2.16.840.1.113883.9.275.4.1 (ePOLST CPR Values) |
| originalText | 0..1 | MAY |  | [4511-32956](#C_4511-32956) |  |
| translation | 0..\* | MAY |  | [4511-32957](#C_4511-32957) | urn:oid:2.16.840.1.113883.6.96 (SNOMED CT) |
| statusCode | 1..1 | SHALL |  | [4511-30446](#C_4511-30446) |  |
| @code | 1..1 | SHALL |  | [4511-31978](#C_4511-31978) | urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = active |

1. SHALL contain exactly one [1..1] @classCode="PROC" procedure (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 STATIC) (CONF:4511-8568).
2. SHALL contain exactly one [1..1] @moodCode="INT" intent (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 STATIC) (CONF:4511-8569).
3. SHALL contain exactly one [1..1] templateId (CONF:4511-30444) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.9.275.3.1.1" (CONF:4511-30445).
   2. SHALL contain exactly one [1..1] @extension="2021-12-01" (CONF:4511-32955).
4. MAY contain zero or more [0..\*] id (CONF:4511-8571).

Pick 1 order code from the following value set.

1. SHALL contain exactly one [1..1] code, which SHALL be selected from ValueSet [ePOLST CPR Values](#ePOLST_CPR_Values) urn:oid:2.16.840.1.113883.9.275.4.1 STATIC 2021-12-01 (CONF:4511-31976).

State-specific text on form SHOULD be included here to further describe the code.

* 1. This code MAY contain zero or one [0..1] originalText (CONF:4511-32956).

Implementers MAY use a translation, in addition to the above code.

* 1. This code MAY contain zero or more [0..\*] translation, which SHOULD be selected from CodeSystem SNOMED CT (urn:oid:2.16.840.1.113883.6.96) (CONF:4511-32957).

1. SHALL contain exactly one [1..1] statusCode (CONF:4511-30446).
   1. This statusCode SHALL contain exactly one [1..1] @code="active" Active (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:4511-31978).

Table 53: ePOLST CPR Values

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: ePOLST CPR Values urn:oid:2.16.840.1.113883.9.275.4.1  This value set represents ePOLST CPR order options.  Value Set Source: <https://loinc.org/100822-6/> | | | |
| Code | Code System | Code System OID | Print Name |
| LA33470-8 | LOINC | urn:oid:2.16.840.1.113883.6.1 | Yes CPR |
| LA33471-6 | LOINC | urn:oid:2.16.840.1.113883.6.1 | No CPR: Do Not Attempt Resuscitation. |

Figure 34: Planned CPR Procedure Example

<procedure classCode="PROC" moodCode="INT">

<templateId root="2.16.840.1.113883.9.275.3.1.1" extension="2021-12-01"/>

<id root="a5a06285-98de-494c-9c97-2be5e00a79e5"/>

<!-- Code must be selected from the value set defined in the guidance and a translation is allowed-->

<!-- In this example, the Cardiopulmonary Resuscitation Order option "YES CPR" has been selected.-->

<code code="LA33470-8" displayName="Yes CPR" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC">

<originalText>YES CPR: Attempt Resuscitation, including mechanical ventilation</originalText>

<translation code="441893003" displayName="Active compression decompression cardiopulmonary resuscitation with use of inspiratory impedance threshold device " codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMEDCT"/>

</code>

<statusCode code="active"/>

</procedure>

Planned Initial Treatment Procedure

[procedure: identifier urn:hl7ii:2.16.840.1.113883.9.275.3.2.1:2021-12-01 (open)]

Published as part of ePOLST: Portable Medical Orders About Resuscitation and Initial Treatment

Table 54: Planned Initial Treatment Procedure Contexts

| Contained By: | Contains: |
| --- | --- |
| [Initial Treatment Orders Act (ePOLST)](#E_Initial_Treatment_Orders_Act_ePOLST) (required) |  |

This template represents the planned initial treatment procedures, which reflects the planned order the clinician or care provider discussed with the patient or patient representative.

Initial Treatments are grouped by goal:

* **Full Treatments** — Goal: Attempt to sustain life by all medically effective means. Provide appropriate medical and surgical treatments as indicated to attempt to prolong life, including intensive care.
* **Selective Treatments** — Goal: Attempt to restore function while avoiding intensive care and resuscitation efforts (ventilator, defibrillation, and cardioversion). May use non-invasive positive airway pressure, antibiotics and intravenous (IV) fluids as indicated. Avoid intensive care. Transfer to hospital if treatment needs cannot be met in current location.
* **Comfort-focused Treatments** — Goal: Maximize comfort through symptom management; allow natural death. Use oxygen, suction, and manual treatment of airway obstruction as needed for comfort. Avoid treatments listed in full or select treatments unless consistent with comfort goal. Transfer to hospital only if comfort cannot be achieved in current setting.

State-specific text may be added in the **originalText** to fully describe the code meaning.

A Null is not an acceptable value. Any additional order may be placed in the Planned Additional Orders Procedure template.

Table 55: Planned Initial Treatment Procedure Constraints Overview

| XPath | Card. | Verb | Data Type | CONF# | Value |
| --- | --- | --- | --- | --- | --- |
| procedure (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.2.1:2021-12-01) | | | | | |
| @classCode | 1..1 | SHALL |  | [4511-32969](#C_4511-32969) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = PROC |
| @moodCode | 1..1 | SHALL |  | [4511-32970](#C_4511-32970) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = INT |
| templateId | 1..1 | SHALL |  | [4511-32961](#C_4511-32961) |  |
| @root | 1..1 | SHALL |  | [4511-32964](#C_4511-32964) | 2.16.840.1.113883.9.275.3.2.1 |
| @extension | 1..1 | SHALL |  | [4511-32965](#C_4511-32965) | 2021-12-01 |
| id | 0..\* | MAY |  | [4511-32971](#C_4511-32971) |  |
| code | 1..1 | SHALL |  | [4511-32963](#C_4511-32963) | urn:oid:2.16.840.1.113883.9.275.4.2 (ePOLST Initial Treatment Values) |
| originalText | 0..1 | MAY |  | [4511-32967](#C_4511-32967) |  |
| translation | 0..\* | MAY |  | [4511-32968](#C_4511-32968) | urn:oid:2.16.840.1.113883.6.96 (SNOMED CT) |
| statusCode | 1..1 | SHALL |  | [4511-32962](#C_4511-32962) |  |
| @code | 1..1 | SHALL |  | [4511-32966](#C_4511-32966) | urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = active |

1. SHALL contain exactly one [1..1] @classCode="PROC" procedure (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 STATIC) (CONF:4511-32969).
2. SHALL contain exactly one [1..1] @moodCode="INT" intent (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 STATIC) (CONF:4511-32970).
3. SHALL contain exactly one [1..1] templateId (CONF:4511-32961) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.9.275.3.2.1" (CONF:4511-32964).
   2. SHALL contain exactly one [1..1] @extension="2021-12-01" (CONF:4511-32965).
4. MAY contain zero or more [0..\*] id (CONF:4511-32971).

Pick 1 order code from the following value set.

1. SHALL contain exactly one [1..1] code, which SHALL be selected from ValueSet [ePOLST Initial Treatment Values](#ePOLST_Initial_Treatment_Values) urn:oid:2.16.840.1.113883.9.275.4.2 STATIC 2021-12-01 (CONF:4511-32963).

State-specific text on form SHOULD be included here to further describe the code.

* 1. This code MAY contain zero or one [0..1] originalText (CONF:4511-32967).

Implementers MAY use a translation, in addition to the above code.

* 1. This code MAY contain zero or more [0..\*] translation (CodeSystem: SNOMED CT urn:oid:2.16.840.1.113883.6.96) (CONF:4511-32968).

1. SHALL contain exactly one [1..1] statusCode (CONF:4511-32962).
   1. This statusCode SHALL contain exactly one [1..1] @code="active" Active (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:4511-32966).

Table 56: ePOLST Initial Treatment Values

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: ePOLST Initial Treatment Values urn:oid:2.16.840.1.113883.9.275.4.2  This value set represents ePOLST Initial Treatment order options.  Value Set Source: <https://loinc.org/100823-4/> | | | |
| Code | Code System | Code System OID | Print Name |
| LA33473-2 | LOINC | urn:oid:2.16.840.1.113883.6.1 | Full treatments |
| LA33474-0 | LOINC | urn:oid:2.16.840.1.113883.6.1 | Selective treatments |
| LA33475-7 | LOINC | urn:oid:2.16.840.1.113883.6.1 | Comfort-focused treatments |

Figure 35: Planned Initial Treatment Procedure Example

<procedure classCode="PROC" moodCode="INT">

<templateId root="2.16.840.1.113883.9.275.3.2.1" extension="2021-12-01"/>

<id root="3645208a-5d5e-4d4c-8f0b-55b7ee870a41"/>

<!-- Code must be selected from the value set defined in the guidance and a translation is allowed-->

<!-- In this example, the Initial Treatment Orders option "Full Treatments" has been selected.-->

<code code="LA33491-4" displayName="Full treatments" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC">

<originalText>Full Treatments (required if choose CPR in Section A). Goal: Attempt to sustain life by all medically effective means. Provide appropriate medical and surgical treatments as indicated to attempt to prolong life, including intensive care.</originalText>

<translation nullFlavor="NA"/>

</code>

<statusCode code="active"/>

</procedure>

Planned Medically Assisted Nutrition Orders Procedure

[procedure: identifier urn:hl7ii:2.16.840.1.113883.9.275.3.4.1:2021-12-01 (open)]

Published as part of ePOLST: Portable Medical Orders About Resuscitation and Initial Treatment

Table 57: Planned Medically Assisted Nutrition Orders Procedure Contexts

| Contained By: | Contains: |
| --- | --- |
| [Medically Assisted Nutrition Orders Act (ePOLST)](#E_Medically_Assisted_Nutrition_Orders_A) (required) |  |

This template represents the outcome of the discussion the clinician held with the patient and/or patient representative about planned medically assisted nutrition orders. A Null is not an acceptable value.

State-specific text may be added in the **originalText** to fully describe the code meaning.

Any additional order may be placed in the Planned Additional Orders Procedure template.

Table 58: Planned Medically Assisted Nutrition Orders Procedure Constraints Overview

| XPath | Card. | Verb | Data Type | CONF# | Value |
| --- | --- | --- | --- | --- | --- |
| procedure (identifier: urn:hl7ii:2.16.840.1.113883.9.275.3.4.1:2021-12-01) | | | | | |
| @classCode | 1..1 | SHALL |  | [4511-32991](#C_4511-32991) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = PROC |
| @moodCode | 1..1 | SHALL |  | [4511-32992](#C_4511-32992) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = INT |
| templateId | 1..1 | SHALL |  | [4511-32983](#C_4511-32983) |  |
| @root | 1..1 | SHALL |  | [4511-32986](#C_4511-32986) | 2.16.840.1.113883.9.275.3.4.1 |
| @extension | 1..1 | SHALL |  | [4511-32987](#C_4511-32987) | 2021-12-01 |
| id | 1..\* | SHALL |  | [4511-32993](#C_4511-32993) |  |
| code | 1..1 | SHALL |  | [4511-32985](#C_4511-32985) | urn:oid:2.16.840.1.113883.9.275.4.3 (ePOLST Medically Assisted Nutrition Values) |
| originalText | 0..1 | MAY |  | [4511-32989](#C_4511-32989) |  |
| translation | 0..\* | MAY |  | [4511-32990](#C_4511-32990) | urn:oid:2.16.840.1.113883.6.96 (SNOMED CT) |
| statusCode | 1..1 | SHALL |  | [4511-32984](#C_4511-32984) |  |
| @code | 1..1 | SHALL |  | [4511-32988](#C_4511-32988) | urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = active |

1. SHALL contain exactly one [1..1] @classCode="PROC" procedure (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 STATIC) (CONF:4511-32991).
2. SHALL contain exactly one [1..1] @moodCode="INT" intent (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 STATIC) (CONF:4511-32992).
3. SHALL contain exactly one [1..1] templateId (CONF:4511-32983) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.9.275.3.4.1" (CONF:4511-32986).
   2. SHALL contain exactly one [1..1] @extension="2021-12-01" (CONF:4511-32987).
4. SHALL contain at least one [1..\*] id (CONF:4511-32993).

Pick 1 order code from the following value set.

1. SHALL contain exactly one [1..1] code, which SHALL be selected from ValueSet [ePOLST Medically Assisted Nutrition Values](#ePOLST_Medically_Assisted_Nutrition_Val) urn:oid:2.16.840.1.113883.9.275.4.3 STATIC 2021-12-01 (CONF:4511-32985).

State-specific text on form SHOULD be included here to further describe the code.

* 1. This code MAY contain zero or one [0..1] originalText (CONF:4511-32989).

Implementers MAY use a translation, in addition to the above code.

* 1. This code MAY contain zero or more [0..\*] translation (CodeSystem: SNOMED CT urn:oid:2.16.840.1.113883.6.96) (CONF:4511-32990).

1. SHALL contain exactly one [1..1] statusCode (CONF:4511-32984).
   1. This statusCode SHALL contain exactly one [1..1] @code="active" Active (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:4511-32988).

Table 59: ePOLST Medically Assisted Nutrition Values

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: ePOLST Medically Assisted Nutrition Values urn:oid:2.16.840.1.113883.9.275.4.3  This value set represents ePOLST Medically Assisted Nutrition order options.  Value Set Source: <https://loinc.org/100825-9/> | | | |
| Code | Code System | Code System OID | Print Name |
| LA33489-8 | LOINC | urn:oid:2.16.840.1.113883.6.1 | Provide feeding through new or existing surgically-placed tubes |
| LA33490-6 | LOINC | urn:oid:2.16.840.1.113883.6.1 | Trial period for artificial nutrition but no surgically-placed tubes |
| LA33491-4 | LOINC | urn:oid:2.16.840.1.113883.6.1 | No artificial means of nutrition desired |
| LA33492-2 | LOINC | urn:oid:2.16.840.1.113883.6.1 | Not discussed or no decision made (provide standard of care) |

Figure 36: Planned Medically Assisted Nutrition Orders Procedure Example

<procedure classCode="PROC" moodCode="INT">

<templateId root="2.16.840.1.113883.9.275.3.4.1" extension="2021-12-01"/>

<id root="2c7a0f50-2b07-4c41-93cc-03a13e1b05c6"/>

<!-- Code must be selected from the value set defined in the guidance and a translation is allowed-->

<!-- In this example, the Medically Assisted Nutrition Orders option "No artificial means of nutrition desired" has been selected.-->

<code code="LA33491-4" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="No artificial means of nutrition desired">

<translation nullFlavor="NA"/>

</code>

<statusCode code="active"/>

</procedure>

# Participation and Other Templates

The participation and other templates chapter contains templates for CDA participations (e.g., author, performer), and other fielded items (e.g., address, name) that cannot stand on their own without being nested in another template.

Author Participation

[author: identifier urn:oid:2.16.840.1.113883.10.20.22.4.119 (open)]

Published as part of Consolidated CDA Templates for Clinical Notes (US Realm) DSTU R2

This template represents the Author Participation (including the author timestamp). CDA R2 requires that Author and Author timestamp be asserted in the document header. From there, authorship propagates to contained sections and contained entries, unless explicitly overridden.

The Author Participation template was added to those templates in scope for analysis in R2. Although it is not explicitly stated in all templates the Author Participation template can be used in any template.

Table 60: Author Participation Constraints Overview

| XPath | Card. | Verb | Data Type | CONF# | Value |
| --- | --- | --- | --- | --- | --- |
| author (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) | | | | | |
| templateId | 1..1 | SHALL |  | [1098-32017](#C_1098-32017) |  |
| @root | 1..1 | SHALL |  | [1098-32018](#C_1098-32018) | 2.16.840.1.113883.10.20.22.4.119 |
| time | 1..1 | SHALL |  | [1098-31471](#C_1098-31471) |  |
| assignedAuthor | 1..1 | SHALL |  | [1098-31472](#C_1098-31472) |  |
| id | 1..\* | SHALL |  | [1098-31473](#C_1098-31473) |  |
| code | 0..1 | SHOULD |  | [1098-31671](#C_1098-31671) | urn:oid:2.16.840.1.114222.4.11.1066 (Healthcare Provider Taxonomy) |
| assignedPerson | 0..1 | MAY |  | [1098-31474](#C_1098-31474) |  |
| name | 0..\* | MAY |  | [1098-31475](#C_1098-31475) |  |
| representedOrganization | 0..1 | MAY |  | [1098-31476](#C_1098-31476) |  |
| id | 0..\* | MAY |  | [1098-31478](#C_1098-31478) |  |
| name | 0..\* | MAY |  | [1098-31479](#C_1098-31479) |  |
| telecom | 0..\* | MAY |  | [1098-31480](#C_1098-31480) |  |
| addr | 0..\* | MAY |  | [1098-31481](#C_1098-31481) |  |

1. SHALL contain exactly one [1..1] templateId (CONF:1098-32017) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.22.4.119" (CONF:1098-32018).
2. SHALL contain exactly one [1..1] time (CONF:1098-31471).
3. SHALL contain exactly one [1..1] assignedAuthor (CONF:1098-31472).
   1. This assignedAuthor SHALL contain at least one [1..\*] id (CONF:1098-31473).  
      Note: This id may be set equal to (a pointer to) an id on a participant elsewhere in the document (header or entries) or a new author participant can be described here. If the id is pointing to a participant already described elsewhere in the document, assignedAuthor/id is sufficient to identify this participant and none of the remaining details of assignedAuthor are required to be set. Application Software must be responsible for resolving the identifier back to its original object and then rendering the information in the correct place in the containing section's narrative text. This id must be a pointer to another author participant.
      1. If the ID isn't referencing an author described elsewhere in the document, then the author components required in US Realm Header are required here as well (CONF:1098-32628).
   2. This assignedAuthor SHOULD contain zero or one [0..1] code, which SHOULD be selected from ValueSet [Healthcare Provider Taxonomy](#Healthcare_Provider_Taxonomy) urn:oid:2.16.840.1.114222.4.11.1066 DYNAMIC (CONF:1098-31671).
      1. If the content is patient authored the code SHOULD be selected from Personal And Legal Relationship Role Type (2.16.840.1.113883.11.20.12.1) (CONF:1098-32315).
   3. This assignedAuthor MAY contain zero or one [0..1] assignedPerson (CONF:1098-31474).
      1. The assignedPerson, if present, MAY contain zero or more [0..\*] name (CONF:1098-31475).
   4. This assignedAuthor MAY contain zero or one [0..1] representedOrganization (CONF:1098-31476).
      1. The representedOrganization, if present, MAY contain zero or more [0..\*] id (CONF:1098-31478).
      2. The representedOrganization, if present, MAY contain zero or more [0..\*] name (CONF:1098-31479).
      3. The representedOrganization, if present, MAY contain zero or more [0..\*] telecom (CONF:1098-31480).
      4. The representedOrganization, if present, MAY contain zero or more [0..\*] addr (CONF:1098-31481).

Figure 37: New Author Participant Example

<author>

<templateId root="2.16.840.1.113883.10.20.22.4.119" />

<time value="201308011235-0800" />

<assignedAuthor>

<id root="20cf14fb-b65c-4c8c-a54d-b0cca834c18c" />

<code code="163W00000X" codeSystem="2.16.840.1.113883.5.53" codeSystemName="Health Care Provider Taxonomy" displayName="Registered nurse" />

<assignedPerson>

<name>

<given>Nurse</given>

<family>Nightingale</family>

<suffix>RN</suffix>

</name>

</assignedPerson>

<representedOrganization>

<id root="2.16.840.1.113883.19.5" />

<name>Good Health Hospital</name>

</representedOrganization>

</assignedAuthor>

</author>

Figure 38: Existing Author Reference Example

<author>

<time value="201308011235-0800" />

<assignedAuthor>

<!--

This id points to a participant already described

elsewhere in the document

-->

<id root="20cf14fb-b65c-4c8c-a54d-b0cca834c18c" />

</assignedAuthor>

</author>

US Realm Address (AD.US.FIELDED)

[addr: identifier urn:oid:2.16.840.1.113883.10.20.22.5.2 (open)]

Published as part of Consolidated CDA Templates for Clinical Notes (US Realm) DSTU R1.1

Table 61: US Realm Address (AD.US.FIELDED) Contexts

| Contained By: | Contains: |
| --- | --- |
| [US Realm Header (V3)](#D_US_Realm_Header_V3) (optional)  [US Realm Header (V3)](#D_US_Realm_Header_V3) (required) |  |

Reusable address template, for use in US Realm CDA Header.

Table 62: US Realm Address (AD.US.FIELDED) Constraints Overview

| XPath | Card. | Verb | Data Type | CONF# | Value |
| --- | --- | --- | --- | --- | --- |
| addr (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2) | | | | | |
| @use | 0..1 | SHOULD |  | [81-7290](#C_81-7290) | urn:oid:2.16.840.1.113883.1.11.10637 (PostalAddressUse) |
| country | 0..1 | SHOULD |  | [81-7295](#C_81-7295) | urn:oid:2.16.840.1.113883.3.88.12.80.63 (Country) |
| state | 0..1 | SHOULD |  | [81-7293](#C_81-7293) | urn:oid:2.16.840.1.113883.3.88.12.80.1 (StateValueSet) |
| city | 1..1 | SHALL |  | [81-7292](#C_81-7292) |  |
| postalCode | 0..1 | SHOULD |  | [81-7294](#C_81-7294) | urn:oid:2.16.840.1.113883.3.88.12.80.2 (PostalCode) |
| streetAddressLine | 1..4 | SHALL |  | [81-7291](#C_81-7291) |  |

If addr/@nullFlavor is present, the remaining conformance statements *SHALL NOT* be enforced

1. SHOULD contain zero or one [0..1] @use, which SHALL be selected from ValueSet [PostalAddressUse](#PostalAddressUse) urn:oid:2.16.840.1.113883.1.11.10637 STATIC 2005-05-01 (CONF:81-7290).
2. SHOULD contain zero or one [0..1] country, which SHALL be selected from ValueSet [Country](#Country) urn:oid:2.16.840.1.113883.3.88.12.80.63 DYNAMIC (CONF:81-7295).
3. SHOULD contain zero or one [0..1] state (ValueSet: [StateValueSet](#StateValueSet) urn:oid:2.16.840.1.113883.3.88.12.80.1 DYNAMIC) (CONF:81-7293).
   1. If the country is US, the state element is required but SHOULD have @nullFlavor if the state is unknown. If country is not specified, it's assumed to be US. If country is something other than US, the state MAY be present but MAY be bound to different vocabularies (CONF:81-10024).
4. SHALL contain exactly one [1..1] city (CONF:81-7292).
5. SHOULD contain zero or one [0..1] postalCode, which SHOULD be selected from ValueSet [PostalCode](#PostalCode) urn:oid:2.16.840.1.113883.3.88.12.80.2 DYNAMIC (CONF:81-7294).
   1. If the country is US, the postalCode element is required but SHOULD have @nullFlavor if the postalCode is unknown. If country is not specified, it's assumed to be US. If country is something other than US, the postalCode MAY be present but MAY be bound to different vocabularies (CONF:81-10025).
6. SHALL contain at least one and not more than 4 streetAddressLine (CONF:81-7291).
7. SHALL NOT have mixed content except for white space (CONF:81-7296).

Table 63: PostalAddressUse

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: PostalAddressUse urn:oid:2.16.840.1.113883.1.11.10637  A value set of HL7 Codes for address use.  Value Set Source: <https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.10637/expansion> | | | |
| Code | Code System | Code System OID | Print Name |
| BAD | HL7AddressUse | urn:oid:2.16.840.1.113883.5.1119 | bad address |
| CONF | HL7AddressUse | urn:oid:2.16.840.1.113883.5.1119 | confidential |
| DIR | HL7AddressUse | urn:oid:2.16.840.1.113883.5.1119 | direct |
| H | HL7AddressUse | urn:oid:2.16.840.1.113883.5.1119 | home address |
| HP | HL7AddressUse | urn:oid:2.16.840.1.113883.5.1119 | primary home |
| HV | HL7AddressUse | urn:oid:2.16.840.1.113883.5.1119 | vacation home |
| PHYS | HL7AddressUse | urn:oid:2.16.840.1.113883.5.1119 | physical visit address |
| PST | HL7AddressUse | urn:oid:2.16.840.1.113883.5.1119 | postal address |
| PUB | HL7AddressUse | urn:oid:2.16.840.1.113883.5.1119 | public |
| TMP | HL7AddressUse | urn:oid:2.16.840.1.113883.5.1119 | temporary |
| ... | | | |

Table 64: StateValueSet

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: StateValueSet urn:oid:2.16.840.1.113883.3.88.12.80.1  Identifies addresses within the United States are recorded using the FIPS 5-2 two-letter alphabetic codes for the State, District of Columbia, or an outlying area of the United States or associated area  Value Set Source: <https://ushik.ahrq.gov/ViewItemDetails?system=mdr&itemKey=86669000> | | | |
| Code | Code System | Code System OID | Print Name |
| AL | FIPS 5-2 (State) | urn:oid:2.16.840.1.113883.6.92 | Alabama |
| AK | FIPS 5-2 (State) | urn:oid:2.16.840.1.113883.6.92 | Alaska |
| AZ | FIPS 5-2 (State) | urn:oid:2.16.840.1.113883.6.92 | Arizona |
| AR | FIPS 5-2 (State) | urn:oid:2.16.840.1.113883.6.92 | Arkansas |
| CA | FIPS 5-2 (State) | urn:oid:2.16.840.1.113883.6.92 | California |
| CO | FIPS 5-2 (State) | urn:oid:2.16.840.1.113883.6.92 | Colorado |
| CT | FIPS 5-2 (State) | urn:oid:2.16.840.1.113883.6.92 | Connecticut |
| DE | FIPS 5-2 (State) | urn:oid:2.16.840.1.113883.6.92 | Delaware |
| DC | FIPS 5-2 (State) | urn:oid:2.16.840.1.113883.6.92 | District of Columbia |
| FL | FIPS 5-2 (State) | urn:oid:2.16.840.1.113883.6.92 | Florida |
| ... | | | |

Table 65: PostalCode

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: PostalCode urn:oid:2.16.840.1.113883.3.88.12.80.2  A value set of postal (ZIP) Code of an address in the United States  Value Set Source: <http://ushik.ahrq.gov/ViewItemDetails?system=mdr&itemKey=86671000> | | | |
| Code | Code System | Code System OID | Print Name |
| 19009 | USPostalCodes | urn:oid:2.16.840.1.113883.6.231 | Bryn Athyn |
| 92869-1736 | USPostalCodes | urn:oid:2.16.840.1.113883.6.231 | Orange, CA |
| 32830-8413 | USPostalCodes | urn:oid:2.16.840.1.113883.6.231 | Lake Buena Vista, FL |
| ... | | | |

Figure 39: US Realm Address Example

<addr use="HP">

<streetAddressLine>22 Sample Street</streetAddressLine>

<city>Beaverton</city>

<state>OR</state>

<postalCode>97867</postalCode>

<country>US</country>

</addr>

US Realm Date and Time (DTM.US.FIELDED)

[effectiveTime: identifier urn:oid:2.16.840.1.113883.10.20.22.5.4 (open)]

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Table 66: US Realm Date and Time (DTM.US.FIELDED) Contexts

| Contained By: | Contains: |
| --- | --- |
| [US Realm Header (V3)](#D_US_Realm_Header_V3) (optional)  [US Realm Header (V3)](#D_US_Realm_Header_V3) (required) |  |

The US Realm Clinical Document Date and Time datatype flavor records date and time information. If no time zone offset is provided, you can make no assumption about time, unless you have made a local exchange agreement.

This data type uses the same rules as US Realm Date and Time (DT.US.FIELDED), but is used with elements having a datatype of TS.

Table 67: US Realm Date and Time (DTM.US.FIELDED) Constraints Overview

| XPath | Card. | Verb | Data Type | CONF# | Value |
| --- | --- | --- | --- | --- | --- |
| effectiveTime (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.4) | | | | | |

1. SHALL be precise to the day (CONF:81-10127).
2. SHOULD be precise to the minute (CONF:81-10128).
3. MAY be precise to the second (CONF:81-10129).
4. If more precise than day, SHOULD include time-zone offset (CONF:81-10130).

Figure 40: US Realm Date and Time Example

<!-- Common values for date/time elements would range in precision to the day YYYYMMDD to precision to the second with a time zone offset YYYYMMDDHHMMSS - ZZzz -->

<!-- time element with TS data type precise to the day for a birthdate -->

<time value="19800531"/>

<!-- effectiveTime element with IVL<TS> data type precise to the second for an observation -->

<effectiveTime>

<low value="20110706122735-0800"/>

<high value="20110706122815-0800"/>

</effectiveTime>

US Realm Patient Name (PTN.US.FIELDED)

[name: identifier urn:oid:2.16.840.1.113883.10.20.22.5.1 (open)]

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Table 68: US Realm Patient Name (PTN.US.FIELDED) Contexts

| Contained By: | Contains: |
| --- | --- |
| [US Realm Header (V3)](#D_US_Realm_Header_V3) (required) |  |

The US Realm Patient Name datatype flavor is a set of reusable constraints that can be used for the patient or any other person. It requires a first (given) and last (family) name. If a patient or person has only one name part (e.g., patient with first name only) place the name part in the field required by the organization. Use the appropriate nullFlavor, "Not Applicable" (NA), in the other field.  
For information on mixed content see the Extensible Markup Language reference (<http://www.w3c.org/TR/2008/REC-xml-20081126/>).

Table 69: US Realm Patient Name (PTN.US.FIELDED) Constraints Overview

| XPath | Card. | Verb | Data Type | CONF# | Value |
| --- | --- | --- | --- | --- | --- |
| name (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1) | | | | | |
| @use | 0..1 | MAY |  | [81-7154](#C_81-7154) | urn:oid:2.16.840.1.113883.1.11.15913 (EntityNameUse) |
| family | 1..1 | SHALL |  | [81-7159](#C_81-7159) |  |
| @qualifier | 0..1 | MAY |  | [81-7160](#C_81-7160) | urn:oid:2.16.840.1.113883.11.20.9.26 (EntityPersonNamePartQualifier) |
| given | 1..\* | SHALL |  | [81-7157](#C_81-7157) |  |
| @qualifier | 0..1 | MAY |  | [81-7158](#C_81-7158) | urn:oid:2.16.840.1.113883.11.20.9.26 (EntityPersonNamePartQualifier) |
| prefix | 0..\* | MAY |  | [81-7155](#C_81-7155) |  |
| @qualifier | 0..1 | MAY |  | [81-7156](#C_81-7156) | urn:oid:2.16.840.1.113883.11.20.9.26 (EntityPersonNamePartQualifier) |
| suffix | 0..1 | MAY |  | [81-7161](#C_81-7161) |  |
| @qualifier | 0..1 | MAY |  | [81-7162](#C_81-7162) | urn:oid:2.16.840.1.113883.11.20.9.26 (EntityPersonNamePartQualifier) |

If name/@nullFlavor is present, the remaining conformance statements *SHALL NOT* be enforced

1. MAY contain zero or one [0..1] @use, which SHALL be selected from ValueSet [EntityNameUse](#EntityNameUse) urn:oid:2.16.840.1.113883.1.11.15913 STATIC 2005-05-01 (CONF:81-7154).
2. SHALL contain exactly one [1..1] family (CONF:81-7159).
   1. This family MAY contain zero or one [0..1] @qualifier, which SHALL be selected from ValueSet [EntityPersonNamePartQualifier](#EntityPersonNamePartQualifier) urn:oid:2.16.840.1.113883.11.20.9.26 STATIC 2011-09-30 (CONF:81-7160).
3. SHALL contain at least one [1..\*] given (CONF:81-7157).
   1. Such givens MAY contain zero or one [0..1] @qualifier, which SHALL be selected from ValueSet [EntityPersonNamePartQualifier](#EntityPersonNamePartQualifier) urn:oid:2.16.840.1.113883.11.20.9.26 STATIC 2011-09-30 (CONF:81-7158).
   2. The second occurrence of given (given[2]) if provided, SHALL include middle name or middle initial (CONF:81-7163).
4. MAY contain zero or more [0..\*] prefix (CONF:81-7155).
   1. The prefix, if present, MAY contain zero or one [0..1] @qualifier, which SHALL be selected from ValueSet [EntityPersonNamePartQualifier](#EntityPersonNamePartQualifier) urn:oid:2.16.840.1.113883.11.20.9.26 STATIC 2011-09-30 (CONF:81-7156).
5. MAY contain zero or one [0..1] suffix (CONF:81-7161).
   1. The suffix, if present, MAY contain zero or one [0..1] @qualifier, which SHALL be selected from ValueSet [EntityPersonNamePartQualifier](#EntityPersonNamePartQualifier) urn:oid:2.16.840.1.113883.11.20.9.26 STATIC 2011-09-30 (CONF:81-7162).
6. SHALL NOT have mixed content except for white space (CONF:81-7278).

Table 70: EntityNameUse

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: EntityNameUse urn:oid:2.16.840.1.113883.1.11.15913  Value Set Source: <https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.15913/expansion> | | | |
| Code | Code System | Code System OID | Print Name |
| A | HL7EntityNameUse | urn:oid:2.16.840.1.113883.5.45 | Artist/Stage |
| ABC | HL7EntityNameUse | urn:oid:2.16.840.1.113883.5.45 | Alphabetic |
| ASGN | HL7EntityNameUse | urn:oid:2.16.840.1.113883.5.45 | Assigned |
| C | HL7EntityNameUse | urn:oid:2.16.840.1.113883.5.45 | License |
| I | HL7EntityNameUse | urn:oid:2.16.840.1.113883.5.45 | Indigenous/Tribal |
| IDE | HL7EntityNameUse | urn:oid:2.16.840.1.113883.5.45 | Ideographic |
| L | HL7EntityNameUse | urn:oid:2.16.840.1.113883.5.45 | Legal |
| P | HL7EntityNameUse | urn:oid:2.16.840.1.113883.5.45 | Pseudonym |
| PHON | HL7EntityNameUse | urn:oid:2.16.840.1.113883.5.45 | Phonetic |
| R | HL7EntityNameUse | urn:oid:2.16.840.1.113883.5.45 | Religious |
| ... | | | |

Table 71: EntityPersonNamePartQualifier

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: EntityPersonNamePartQualifier urn:oid:2.16.840.1.113883.11.20.9.26  Value Set Source: <https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.26/expansion> | | | |
| Code | Code System | Code System OID | Print Name |
| AC | HL7EntityNamePartQualifier | urn:oid:2.16.840.1.113883.5.43 | academic |
| AD | HL7EntityNamePartQualifier | urn:oid:2.16.840.1.113883.5.43 | adopted |
| BR | HL7EntityNamePartQualifier | urn:oid:2.16.840.1.113883.5.43 | birth |
| CL | HL7EntityNamePartQualifier | urn:oid:2.16.840.1.113883.5.43 | callme |
| IN | HL7EntityNamePartQualifier | urn:oid:2.16.840.1.113883.5.43 | initial |
| NB | HL7EntityNamePartQualifier | urn:oid:2.16.840.1.113883.5.43 | nobility |
| PR | HL7EntityNamePartQualifier | urn:oid:2.16.840.1.113883.5.43 | professional |
| SP | HL7EntityNamePartQualifier | urn:oid:2.16.840.1.113883.5.43 | spouse |
| TITLE | HL7EntityNamePartQualifier | urn:oid:2.16.840.1.113883.5.43 | title |
| VV | HL7EntityNamePartQualifier | urn:oid:2.16.840.1.113883.5.43 | voorvoegsel |

Figure 41: US Realm Patient Name Example

<name use="L">

<prefix qualifier="TITLE">Rep</prefix>

<given>Evelyn</given>

<given qualifier="CL">Eve</given>

<family qualifier="BR">Everywoman</family>

<suffix qualifier="AC">J.D.</suffix>

</name>

US Realm Person Name (PN.US.FIELDED)

[name: identifier urn:oid:2.16.840.1.113883.10.20.22.5.1.1 (open)]

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Table 72: US Realm Person Name (PN.US.FIELDED) Contexts

| Contained By: | Contains: |
| --- | --- |
| [US Realm Header (V3)](#D_US_Realm_Header_V3) (optional)  [ePOLST Medical Orders Document](#D_ePOLST_Medical_Orders_Document) (required) |  |

The US Realm Clinical Document Person Name datatype flavor is a set of reusable constraints that can be used for Persons.

Table 73: US Realm Person Name (PN.US.FIELDED) Constraints Overview

| XPath | Card. | Verb | Data Type | CONF# | Value |
| --- | --- | --- | --- | --- | --- |
| name (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1) | | | | | |
| name | 1..1 | SHALL |  | [81-9368](#C_81-9368) |  |

1. SHALL contain exactly one [1..1] name (CONF:81-9368).
   1. The content of name SHALL be either a conformant Patient Name (PTN.US.FIELDED), or a string (CONF:81-9371).
   2. The string SHALL NOT contain name parts (CONF:81-9372).

# Template Ids in This Guide

Table 74: Template List

| Template Title | Template Type | templateId |
| --- | --- | --- |
| [ePOLST Medical Orders Document](#D_ePOLST_Medical_Orders_Document) | document | urn:hl7ii:2.16.840.1.113883.9.275.1:2021-12-01 |
| [ePOLST Medical Orders-Unstructured](#D_ePOLST_Medical_OrdersUnstructured) | document | urn:hl7ii:2.16.840.1.113883.9.275.11:2021-12-01 |
| [Unstructured Document (V3)](#D_Unstructured_Document_V3) | document | urn:hl7ii:2.16.840.1.113883.10.20.22.1.10:2015-08-01 |
| [US Realm Header (V3)](#D_US_Realm_Header_V3) | document | urn:hl7ii:2.16.840.1.113883.10.20.22.1.1:2015-08-01 |
| [ePOLST Completion Information Section](#S_ePOLST_Completion_Information_Section) | section | urn:hl7ii:2.16.840.1.113883.9.275.2.2:2021-12-01 |
| [ePOLST Medical Orders Section](#S_ePOLST_Medical_Orders_Section) | section | urn:hl7ii:2.16.840.1.113883.9.275.2.1:2021-12-01 |
| [Planned Procedure Section (V2)](#Planned_Procedure_Section_V2) | section | urn:hl7ii:2.16.840.1.113883.10.20.22.2.30:2014-06-09 |
| [Additional Orders Act (ePOLST)](#E_Additional_Orders_Act_ePOLST) | entry | urn:hl7ii:2.16.840.1.113883.9.275.3.3:2021-12-01 |
| [Cardiopulmonary Resuscitation Order Act (ePOLST)](#E_CPR_Order_Act) | entry | urn:hl7ii:2.16.840.1.113883.9.275.3.1:2021-12-01 |
| [ePOLST Administrative Information](#E_ePOLST_Administrative_Information) | entry | urn:hl7ii:2.16.840.1.113883.9.275.3.6:2021-12-01 |
| [ePOLST Clinical Instructions](#E_ePOLST_Clinical_Instructions) | entry | urn:hl7ii:2.16.840.1.113883.9.275.3.5:2021-12-01 |
| [Initial Treatment Orders Act (ePOLST)](#E_Initial_Treatment_Orders_Act_ePOLST) | entry | urn:hl7ii:2.16.840.1.113883.9.275.3.2:2021-12-01 |
| [Medically Assisted Nutrition Orders Act (ePOLST)](#E_Medically_Assisted_Nutrition_Orders_A) | entry | urn:hl7ii:2.16.840.1.113883.9.275.3.4:2021-12-01 |
| [Orders Participants (ePOLST)](#E_Orders_Participants_ePOLST) | entry | urn:hl7ii:2.16.840.1.113883.9.275.3.8:2022-08-21 |
| [Orders Review (ePOLST)](#E_Orders_Review_ePOLST) | entry | urn:hl7ii:2.16.840.1.113883.9.275.3.7:2021-12-01 |
| [Planned Additional Orders Procedure](#E_Planned_Additional_Orders_Procedure) | entry | urn:hl7ii:2.16.840.1.113883.9.275.3.3.1:2021-12-01 |
| [Planned CPR Procedure](#E_Planned_CPR_Procedure) | entry | urn:hl7ii:2.16.840.1.113883.9.275.3.1.1:2021-12-01 |
| [Planned Initial Treatment Procedure](#E_Planned_Initial_Treatment_Procedure) | entry | urn:hl7ii:2.16.840.1.113883.9.275.3.2.1:2021-12-01 |
| [Planned Medically Assisted Nutrition Orders Procedure](#E_Planned_Medically_Assisted_Nutrition_) | entry | urn:hl7ii:2.16.840.1.113883.9.275.3.4.1:2021-12-01 |
| [Author Participation](#U_Author_Participation) | unspecified | urn:oid:2.16.840.1.113883.10.20.22.4.119 |
| [US Realm Address (AD.US.FIELDED)](#U_US_Realm_Address_ADUSFIELDED) | unspecified | urn:oid:2.16.840.1.113883.10.20.22.5.2 |
| [US Realm Date and Time (DTM.US.FIELDED)](#U_US_Realm_Date_and_Time_DTMUSFIELDED) | unspecified | urn:oid:2.16.840.1.113883.10.20.22.5.4 |
| [US Realm Patient Name (PTN.US.FIELDED)](#U_US_Realm_Patient_Name_PTNUSFIELDED) | unspecified | urn:oid:2.16.840.1.113883.10.20.22.5.1 |
| [US Realm Person Name (PN.US.FIELDED)](#U_US_Realm_Person_Name_PNUSFIELDED) | unspecified | urn:oid:2.16.840.1.113883.10.20.22.5.1.1 |

Table 75: Template Containments

| Template Title | Template Type | templateId |
| --- | --- | --- |
| [ePOLST Medical Orders Document](#D_ePOLST_Medical_Orders_Document) | document | urn:hl7ii:2.16.840.1.113883.9.275.1:2021-12-01 |
| [US Realm Person Name (PN.US.FIELDED)](#U_US_Realm_Person_Name_PNUSFIELDED) | unspecified | urn:oid:2.16.840.1.113883.10.20.22.5.1.1 |
| [ePOLST Medical Orders Section](#S_ePOLST_Medical_Orders_Section) | section | urn:hl7ii:2.16.840.1.113883.9.275.2.1:2021-12-01 |
| [Cardiopulmonary Resuscitation Order Act (ePOLST)](#E_CPR_Order_Act) | entry | urn:hl7ii:2.16.840.1.113883.9.275.3.1:2021-12-01 |
| [Planned CPR Procedure](#E_Planned_CPR_Procedure) | entry | urn:hl7ii:2.16.840.1.113883.9.275.3.1.1:2021-12-01 |
| [ePOLST Clinical Instructions](#E_ePOLST_Clinical_Instructions) | entry | urn:hl7ii:2.16.840.1.113883.9.275.3.5:2021-12-01 |
| [Initial Treatment Orders Act (ePOLST)](#E_Initial_Treatment_Orders_Act_ePOLST) | entry | urn:hl7ii:2.16.840.1.113883.9.275.3.2:2021-12-01 |
| [Planned Initial Treatment Procedure](#E_Planned_Initial_Treatment_Procedure) | entry | urn:hl7ii:2.16.840.1.113883.9.275.3.2.1:2021-12-01 |
| [ePOLST Clinical Instructions](#E_ePOLST_Clinical_Instructions) | entry | urn:hl7ii:2.16.840.1.113883.9.275.3.5:2021-12-01 |
| [Additional Orders Act (ePOLST)](#E_Additional_Orders_Act_ePOLST) | entry | urn:hl7ii:2.16.840.1.113883.9.275.3.3:2021-12-01 |
| [Planned Additional Orders Procedure](#E_Planned_Additional_Orders_Procedure) | entry | urn:hl7ii:2.16.840.1.113883.9.275.3.3.1:2021-12-01 |
| [ePOLST Clinical Instructions](#E_ePOLST_Clinical_Instructions) | entry | urn:hl7ii:2.16.840.1.113883.9.275.3.5:2021-12-01 |
| [Medically Assisted Nutrition Orders Act (ePOLST)](#E_Medically_Assisted_Nutrition_Orders_A) | entry | urn:hl7ii:2.16.840.1.113883.9.275.3.4:2021-12-01 |
| [Planned Medically Assisted Nutrition Orders Procedure](#E_Planned_Medically_Assisted_Nutrition_) | entry | urn:hl7ii:2.16.840.1.113883.9.275.3.4.1:2021-12-01 |
| [ePOLST Clinical Instructions](#E_ePOLST_Clinical_Instructions) | entry | urn:hl7ii:2.16.840.1.113883.9.275.3.5:2021-12-01 |
| [ePOLST Clinical Instructions](#E_ePOLST_Clinical_Instructions) | entry | urn:hl7ii:2.16.840.1.113883.9.275.3.5:2021-12-01 |
| [ePOLST Administrative Information](#E_ePOLST_Administrative_Information) | entry | urn:hl7ii:2.16.840.1.113883.9.275.3.6:2021-12-01 |
| [ePOLST Completion Information Section](#S_ePOLST_Completion_Information_Section) | section | urn:hl7ii:2.16.840.1.113883.9.275.2.2:2021-12-01 |
| [ePOLST Administrative Information](#E_ePOLST_Administrative_Information) | entry | urn:hl7ii:2.16.840.1.113883.9.275.3.6:2021-12-01 |
| [Orders Review (ePOLST)](#E_Orders_Review_ePOLST) | entry | urn:hl7ii:2.16.840.1.113883.9.275.3.7:2021-12-01 |
| [Orders Participants (ePOLST)](#E_Orders_Participants_ePOLST) | entry | urn:hl7ii:2.16.840.1.113883.9.275.3.8:2022-08-21 |
| [ePOLST Medical Orders-Unstructured](#D_ePOLST_Medical_OrdersUnstructured) | document | urn:hl7ii:2.16.840.1.113883.9.275.11:2021-12-01 |
| [Unstructured Document (V3)](#D_Unstructured_Document_V3) | document | urn:hl7ii:2.16.840.1.113883.10.20.22.1.10:2015-08-01 |
| [US Realm Header (V3)](#D_US_Realm_Header_V3) | document | urn:hl7ii:2.16.840.1.113883.10.20.22.1.1:2015-08-01 |
| [US Realm Patient Name (PTN.US.FIELDED)](#U_US_Realm_Patient_Name_PTNUSFIELDED) | unspecified | urn:oid:2.16.840.1.113883.10.20.22.5.1 |
| [US Realm Address (AD.US.FIELDED)](#U_US_Realm_Address_ADUSFIELDED) | unspecified | urn:oid:2.16.840.1.113883.10.20.22.5.2 |
| [US Realm Address (AD.US.FIELDED)](#U_US_Realm_Address_ADUSFIELDED) | unspecified | urn:oid:2.16.840.1.113883.10.20.22.5.2 |
| [US Realm Person Name (PN.US.FIELDED)](#U_US_Realm_Person_Name_PNUSFIELDED) | unspecified | urn:oid:2.16.840.1.113883.10.20.22.5.1.1 |
| [US Realm Date and Time (DTM.US.FIELDED)](#U_US_Realm_Date_and_Time_DTMUSFIELDED) | unspecified | urn:oid:2.16.840.1.113883.10.20.22.5.4 |
| [US Realm Date and Time (DTM.US.FIELDED)](#U_US_Realm_Date_and_Time_DTMUSFIELDED) | unspecified | urn:oid:2.16.840.1.113883.10.20.22.5.4 |
| [Planned Procedure Section (V2)](#Planned_Procedure_Section_V2) | section | urn:hl7ii:2.16.840.1.113883.10.20.22.2.30:2014-06-09 |
| [Author Participation](#U_Author_Participation) | unspecified | urn:oid:2.16.840.1.113883.10.20.22.4.119 |

# Value Sets In This Guide

Table 76: Value Sets

| Name | OID | URL |
| --- | --- | --- |
| [Administrative Gender (HL7 V3)](#Administrative_Gender_HL7_V3) | urn:oid:2.16.840.1.113883.1.11.1 | <https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.1/expansion> |
| [Care Team Member Function](#Care_Team_Member_Function) | urn:oid:2.16.840.1.113762.1.4.1099.30 | <https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1099.30/expansion> |
| [Country](#Country) | urn:oid:2.16.840.1.113883.3.88.12.80.63 | <http://hl7.org/fhir/ValueSet/iso3166-1-2> |
| [Detailed Ethnicity](#Detailed_Ethnicity) | urn:oid:2.16.840.1.114222.4.11.877 | <https://vsac.nlm.nih.gov/valueset/2.16.840.1.114222.4.11.877/expansion> |
| [EntityNameUse](#EntityNameUse) | urn:oid:2.16.840.1.113883.1.11.15913 | <https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.15913/expansion> |
| [EntityPersonNamePartQualifier](#EntityPersonNamePartQualifier) | urn:oid:2.16.840.1.113883.11.20.9.26 | <https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.26/expansion> |
| [ePOLST CPR Values](#ePOLST_CPR_Values) | urn:oid:2.16.840.1.113883.9.275.4.1 | <https://loinc.org/100822-6/> |
| [ePOLST Initial Treatment Values](#ePOLST_Initial_Treatment_Values) | urn:oid:2.16.840.1.113883.9.275.4.2 | <https://loinc.org/100823-4/> |
| [ePOLST Medically Assisted Nutrition Values](#ePOLST_Medically_Assisted_Nutrition_Val) | urn:oid:2.16.840.1.113883.9.275.4.3 | <https://loinc.org/100825-9/> |
| [ePOLST Participant Values](#ePOLST_Participant_Values) | urn:oid:2.16.840.1.113883.9.275.4.5 | <https://loinc.org/100827-5/> |
| [ePOLST Review Values](#ePOLST_Review_Values) | urn:oid:2.16.840.1.113883.9.275.4.4 | <https://loinc.org/100826-7/> |
| [Ethnicity](#Ethnicity) | urn:oid:2.16.840.1.114222.4.11.837 | <https://vsac.nlm.nih.gov/valueset/2.16.840.1.114222.4.11.837/expansion> |
| [Healthcare Provider Taxonomy](#Healthcare_Provider_Taxonomy) | urn:oid:2.16.840.1.114222.4.11.1066 | <https://vsac.nlm.nih.gov/valueset/2.16.840.1.114222.4.11.1066/expansion> |
| [HL7 BasicConfidentialityKind](#HL7_BasicConfidentialityKind) | urn:oid:2.16.840.1.113883.1.11.16926 | <https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.16926/expansion> |
| [INDRoleclassCodes](#INDRoleclassCodes) | urn:oid:2.16.840.1.113883.11.20.9.33 | <https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.33/expansion> |
| [Language](#Language) | urn:oid:2.16.840.1.113883.1.11.11526 | <http://www.loc.gov/standards/iso639-2/php/code_list.php> |
| [LanguageAbilityMode](#LanguageAbilityMode) | urn:oid:2.16.840.1.113883.1.11.12249 | <https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.12249/expansion> |
| [LanguageAbilityProficiency](#LanguageAbilityProficiency) | urn:oid:2.16.840.1.113883.1.11.12199 | <https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.12199/expansion> |
| [Marital Status](#Marital_Status) | urn:oid:2.16.840.1.113883.1.11.12212 | <https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.12212/expansion> |
| [Personal And Legal Relationship Role Type](#Personal_And_Legal_Relationship_Role_Ty) | urn:oid:2.16.840.1.113883.11.20.12.1 | <https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.12.1/expansion> |
| [PostalAddressUse](#PostalAddressUse) | urn:oid:2.16.840.1.113883.1.11.10637 | <https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.10637/expansion> |
| [PostalCode](#PostalCode) | urn:oid:2.16.840.1.113883.3.88.12.80.2 | <http://ushik.ahrq.gov/ViewItemDetails?system=mdr&itemKey=86671000> |
| [Race Category Excluding Nulls](#Race_Category_Excluding_Nulls) | urn:oid:2.16.840.1.113883.3.2074.1.1.3 | <https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.2074.1.1.3/expansion> |
| [Race Value Set](#Race_Value_Set) | urn:oid:2.16.840.1.113883.1.11.14914 | <https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.14914/expansion> |
| [Religious Affiliation](#Religious_Affiliation) | urn:oid:2.16.840.1.113883.1.11.19185 | <https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.19185/expansion> |
| [StateValueSet](#StateValueSet) | urn:oid:2.16.840.1.113883.3.88.12.80.1 | <https://ushik.ahrq.gov/ViewItemDetails?system=mdr&itemKey=86669000> |
| [SupportedFileFormats](#SupportedFileFormats) | urn:oid:2.16.840.1.113883.11.20.7.1 | <https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.7.1/expansion> |
| [Telecom Use (US Realm Header)](#Telecom_Use_US_Realm_Header) | urn:oid:2.16.840.1.113883.11.20.9.20 | <https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.20/expansion> |
| [x\_ServiceEventPerformer](#x_ServiceEventPerformer) | urn:oid:2.16.840.1.113883.1.11.19601 | <https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.19601/expansion> |

# Code Systems in This Guide

Table 77: Code Systems

| Name | OID |
| --- | --- |
| Administrative Gender | urn:oid:2.16.840.1.113883.5.1 |
| CDC Vaccine Code (CVX) | urn:oid:2.16.840.1.113883.12.292 |
| CPT | urn:oid:2.16.840.1.113883.6.12 |
| DCM | urn:oid:1.2.840.10008.2.16.4 |
| FIPS 5-2 (State) | urn:oid:2.16.840.1.113883.6.92 |
| Healthcare Provider Taxonomy (HIPAA) | urn:oid:2.16.840.1.113883.6.101 |
| HL7ActClass | urn:oid:2.16.840.1.113883.5.6 |
| HL7ActCode | urn:oid:2.16.840.1.113883.5.4 |
| HL7ActMood | urn:oid:2.16.840.1.113883.5.1001 |
| HL7ActPriority | urn:oid:2.16.840.1.113883.5.7 |
| HL7ActReason | urn:oid:2.16.840.1.113883.5.8 |
| HL7ActRelationshipType | urn:oid:2.16.840.1.113883.5.1002 |
| HL7ActStatus | urn:oid:2.16.840.1.113883.5.14 |
| HL7AddressUse | urn:oid:2.16.840.1.113883.5.1119 |
| HL7Confidentiality | urn:oid:2.16.840.1.113883.5.25 |
| HL7EntityClass | urn:oid:2.16.840.1.113883.5.41 |
| HL7EntityNamePartQualifier | urn:oid:2.16.840.1.113883.5.43 |
| HL7EntityNameUse | urn:oid:2.16.840.1.113883.5.45 |
| HL7LanguageAbilityMode | urn:oid:2.16.840.1.113883.5.60 |
| HL7LanguageAbilityProficiency | urn:oid:2.16.840.1.113883.5.61 |
| HL7MaritalStatus | urn:oid:2.16.840.1.113883.5.2 |
| HL7NullFlavor | urn:oid:2.16.840.1.113883.5.1008 |
| HL7ObservationValue | urn:oid:2.16.840.1.113883.5.1063 |
| HL7ParticipationFunction | urn:oid:2.16.840.1.113883.5.88 |
| HL7ParticipationSignature | urn:oid:2.16.840.1.113883.5.89 |
| HL7ParticipationType | urn:oid:2.16.840.1.113883.5.90 |
| HL7ReligiousAffiliation | urn:oid:2.16.840.1.113883.5.1076 |
| HL7RoleClass | urn:oid:2.16.840.1.113883.5.110 |
| HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 |
| HSLOC | urn:oid:2.16.840.1.113883.6.259 |
| ICD-10-CM | urn:oid:2.16.840.1.113883.6.90 |
| Insurance Type Code | urn:oid:2.16.840.1.113883.3.88.12.3221.5.2 |
| ISO 3166 Part 1 Country Codes, 2nd Edition, Alpha-2 | urn:oid:1.0.3166.1.2.2 |
| Language | urn:oid:2.16.840.1.113883.6.121 |
| LOINC | urn:oid:2.16.840.1.113883.6.1 |
| Media Type | urn:oid:2.16.840.1.113883.5.79 |
| NCI Thesaurus (NCIt) | urn:oid:2.16.840.1.113883.3.26.1.1 |
| NDFRT | urn:oid:2.16.840.1.113883.3.26.1.5 |
| NUBC UB-04 Patient Discharge Status code set | urn:oid:2.16.840.1.113883.6.301.5 |
| ObservationInterpretation | urn:oid:2.16.840.1.113883.5.83 |
| Provider Role (HL7) | urn:oid:2.16.840.1.113883.3.88.12.3221.4 |
| Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 |
| RxNorm | urn:oid:2.16.840.1.113883.6.88 |
| SNOMED CT | urn:oid:2.16.840.1.113883.6.96 |
| Source of Payment Typology (PHDSC) | urn:oid:2.16.840.1.113883.3.221.5 |
| UCUM | urn:oid:1.3.6.1.4.1.12009.10.3.1 |
| USPostalCodes | urn:oid:2.16.840.1.113883.6.231 |