Reportability Response

February 03

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# document

US Realm Header (V3)

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

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Table 1: US Realm Header (V3) Contexts

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

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 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) |
| 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) |
| 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) |
| postalCode | 0..1 | MAY |  | [1198-5403](#C_1198-5403) | urn:oid:2.16.840.1.113883.3.88.12.80.2 (PostalCode) |
| 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 (HIPAA)) |
| 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 (HIPAA)) |
| 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 (HIPAA)) |
| 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 (HIPAA)) |
| 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 (HIPAA)) |
| 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:2.16.840.1.113883.1.11.10267 (ParticipationFunction) |
| 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 (HIPAA)) |
| 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).
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 STATIC (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 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:1198-5284).
         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](#Race) 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).

This addr MAY contain zero or one [0..1] postalCode, which SHALL be selected from ValueSet [PostalCode](#PostalCode) urn:oid:2.16.840.1.113883.3.88.12.80.2 DYNAMIC (CONF:1198-5403).

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.

* + - 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 (HIPAA)](#Healthcare_Provider_Taxonomy_HIPAA) 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 (HIPAA)](#Healthcare_Provider_Taxonomy_HIPAA) 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 (HIPAA)](#Healthcare_Provider_Taxonomy_HIPAA) 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 (HIPAA)](#Healthcare_Provider_Taxonomy_HIPAA) 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 (HIPAA)](#Healthcare_Provider_Taxonomy_HIPAA) urn:oid:2.16.840.1.114222.4.11.1066 STATIC (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 **STATIC 2011-09-30** (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 [ParticipationFunction](#ParticipationFunction) urn:oid:2.16.840.1.113883.1.11.10267 STATIC (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 (HIPAA)](#Healthcare_Provider_Taxonomy_HIPAA) 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).

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="2.16.840.1.113883.6.96" extension="1298989898" />

<code code="388975008" displayName="Weight Reduction Consultation" codeSystem="2.16.840.1.113883.6.96" codeSystemName="CPT4" />

</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>

Reportability Response Document (RR)

[ClinicalDocument: identifier urn:hl7ii:2.16.840.1.113883.10.20.15.2.1.2:2017-04-01 (open)]

Draft as part of Reportability Response

Table 3: Reportability Response Document (RR) Contexts

| Contained By: | Contains: |
| --- | --- |
|  | [Reportability Response Short Description Section](#S_Reportability_Response_Short_Descript)  [Reportability Response Summary Section](#S_Reportability_Response_Summary_Section)  [US Realm Address (AD.US.FIELDED)](#U_US_Realm_Address_ADUSFIELDED)  [US Realm Date and Time (DTM.US.FIELDED)](#U_US_Realm_Date_and_Time_DTMUSFIELDED)  [US Realm Person Name (PN.US.FIELDED)](#U_US_Realm_Person_Name_PNUSFIELDED) |

The purpose of this implementation guide (IG) is to specify a standard for the creation of an Reportability Response in Clinical Document Architecture, Release 2 (CDA R2) format.

**TODO**\*

Table 4: Reportability Response Document (RR) Constraints Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| XPath | Card. | Verb | Data Type | CONF# | Value |
| ClinicalDocument (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.1.2:2017-04-01) | | | | | |
| templateId | 1..1 | SHALL |  | [3315-28](#C_3315-28) |  |
| @root | 1..1 | SHALL |  | [3315-66](#C_3315-66) | 2.16.840.1.113883.10.20.15.2.1.2 |
| @extension | 1..1 | SHALL |  | [3315-67](#C_3315-67) | 2017-04-01 |
| code | 1..1 | SHALL |  | [3315-79](#C_3315-79) | urn:oid:2.16.840.1.113883.6.1 (LOINC) = TODO |
| title | 1..1 | SHALL |  | [3315-80](#C_3315-80) | Reportability Response |
| effectiveTime | 1..1 | SHALL |  | [3315-36](#C_3315-36) |  |
| @nullFlavor | 0..0 | SHALL NOT |  | [3315-78](#C_3315-78) |  |
| recordTarget | 1..1 | SHALL |  | [3315-29](#C_3315-29) |  |
| patientRole | 1..1 | SHALL |  | [3315-30](#C_3315-30) |  |
| id | 1..\* | SHALL |  | [3315-74](#C_3315-74) |  |
| addr | 1..\* | SHALL |  | [3315-75](#C_3315-75) | [US Realm Address (AD.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2](#U_US_Realm_Address_ADUSFIELDED) |
| patient | 1..1 | SHALL |  | [3315-31](#C_3315-31) |  |
| sdtc:deceasedInd | 1..1 | SHALL |  | [3315-73](#C_3315-73) |  |
| sdtc:deceasedTime | 0..1 | MAY |  | [3315-33](#C_3315-33) |  |
| guardian | 0..\* | SHOULD |  | [3315-32](#C_3315-32) |  |
| addr | 1..\* | SHALL |  | [3315-68](#C_3315-68) | [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 |  | [3315-69](#C_3315-69) |  |
| guardianPerson | 1..1 | SHALL |  | [3315-70](#C_3315-70) |  |
| languageCommunication | 1..\* | SHALL |  | [3315-72](#C_3315-72) |  |
| author | 1..\* | SHALL |  | [3315-34](#C_3315-34) |  |
| time | 1..1 | SHALL |  | [3315-35](#C_3315-35) | [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) |
| @nullFlavor | 0..0 | SHALL NOT |  | [3315-76](#C_3315-76) |  |
| assignedAuthor | 1..1 | SHALL |  | [3315-77](#C_3315-77) |  |
| informationRecipient | 1..\* | SHALL |  | [3315-83](#C_3315-83) |  |
| componentOf | 1..1 | SHALL |  | [3315-1](#C_3315-1) |  |
| encompassingEncounter | 1..1 | SHALL |  | [3315-2](#C_3315-2) |  |
| id | 1..\* | SHALL |  | [3315-54](#C_3315-54) |  |
| code | 1..1 | SHALL |  | [3315-55](#C_3315-55) | urn:oid:2.16.840.1.113883.1.11.13955 (ActEncounterCode) |
| effectiveTime | 1..1 | SHALL |  | [3315-3](#C_3315-3) |  |
| @nullFlavor | 0..0 | SHALL NOT |  | [3315-38](#C_3315-38) |  |
| low | 1..1 | SHALL |  | [3315-39](#C_3315-39) |  |
| high | 1..1 | SHALL |  | [3315-40](#C_3315-40) |  |
| responsibleParty | 1..1 | SHALL |  | [3315-4](#C_3315-4) |  |
| assignedEntity | 1..1 | SHALL |  | [3315-5](#C_3315-5) |  |
| id | 1..\* | SHALL |  | [3315-7](#C_3315-7) |  |
| @root | 1..1 | SHALL |  | [3315-41](#C_3315-41) |  |
| @extension | 0..1 | MAY |  | [3315-42](#C_3315-42) |  |
| addr | 1..\* | SHALL |  | [3315-45](#C_3315-45) | [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 |  | [3315-46](#C_3315-46) |  |
| assignedPerson | 1..1 | SHALL |  | [3315-6](#C_3315-6) |  |
| name | 1..1 | SHALL |  | [3315-37](#C_3315-37) | [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) |
| representedOrganization | 1..1 | SHALL |  | [3315-8](#C_3315-8) |  |
| name | 1..1 | SHALL |  | [3315-43](#C_3315-43) |  |
| addr | 1..1 | SHALL |  | [3315-44](#C_3315-44) | [US Realm Address (AD.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2](#U_US_Realm_Address_ADUSFIELDED) |
| location | 1..1 | SHALL |  | [3315-9](#C_3315-9) |  |
| healthCareFacility | 1..1 | SHALL |  | [3315-10](#C_3315-10) |  |
| id | 1..1 | SHALL |  | [3315-11](#C_3315-11) |  |
| @root | 1..1 | SHALL |  | [3315-47](#C_3315-47) |  |
| @extension | 0..1 | MAY |  | [3315-48](#C_3315-48) |  |
| code | 1..1 | SHALL |  | [3315-53](#C_3315-53) | urn:oid:2.16.840.1.113883.1.11.17660 (ServiceDeliveryLocationRoleType) |
| location | 1..1 | SHALL |  | [3315-12](#C_3315-12) |  |
| addr | 1..1 | SHALL |  | [3315-49](#C_3315-49) | [US Realm Address (AD.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2](#U_US_Realm_Address_ADUSFIELDED) |
| serviceProviderOrganization | 1..1 | SHALL |  | [3315-13](#C_3315-13) |  |
| name | 1..1 | SHALL |  | [3315-50](#C_3315-50) |  |
| telecom | 1..\* | SHALL |  | [3315-51](#C_3315-51) |  |
| addr | 1..1 | SHALL |  | [3315-52](#C_3315-52) | [US Realm Address (AD.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2](#U_US_Realm_Address_ADUSFIELDED) |
| component | 1..1 | SHALL |  | [3315-14](#C_3315-14) |  |
| structuredBody | 1..1 | SHALL |  | [3315-141](#C_3315-141) |  |
| component | 1..1 | SHALL |  | [3315-142](#C_3315-142) |  |
| section | 1..1 | SHALL |  | [3315-144](#C_3315-144) | [Reportability Response Short Description Section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.2.1:2017-04-01](#S_Reportability_Response_Short_Descript) |
| component | 1..1 | SHALL |  | [3315-143](#C_3315-143) |  |
| section | 1..1 | SHALL |  | [3315-145](#C_3315-145) | [Reportability Response Summary Section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.2.2:2017-04-01](#S_Reportability_Response_Summary_Section) |

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:3315-28) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.15.2.1.2" (CONF:3315-66).
   2. SHALL contain exactly one [1..1] @extension="2017-04-01" (CONF:3315-67).
3. SHALL contain exactly one [1..1] code="TODO" Reportability Response Document (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:3315-79).
4. SHALL contain exactly one [1..1] title="Reportability Response" (CONF:3315-80).
5. SHALL contain exactly one [1..1] effectiveTime (CONF:3315-36).  
   Note: The effectiveTime indicates the date when the report was created and in almost all cases should correspond to the date when the public health case has been triggered.
   1. This effectiveTime SHALL NOT contain [0..0] @nullFlavor (CONF:3315-78).
6. SHALL contain exactly one [1..1] recordTarget (CONF:3315-29).
   1. This recordTarget SHALL contain exactly one [1..1] patientRole (CONF:3315-30).
      1. This patientRole SHALL contain at least one [1..\*] id (CONF:3315-74).  
         Note: If multiple identifiers are available, a medical record number, social security number, medicaid number, or all three SHOULD be provided in this field.

Although "county" is not explicitly specified in the US Realm Address, it is not precluded from use and for the purposes of this IG it is recommended to be included.  See the eICR recordTarget example following this section for further details.

* + 1. 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:3315-75).  
       Note: For greatest utility to public health, a patient's address should be a home address if available (PostalAddressUse = 'H' or 'HP'); would also request a second address, preferably a work address, (PostalAddressUse = 'WP') if available.
    2. This patientRole SHALL contain exactly one [1..1] patient (CONF:3315-31).
       1. This patient SHALL contain exactly one [1..1] sdtc:deceasedInd (CONF:3315-73).
       2. This patient MAY contain zero or one [0..1] sdtc:deceasedTime (CONF:3315-33).
          1. If sdtc:deceasedInd is true then sdtc:deceasedTime **SHALL** be present (CONF:3315-71).
       3. This patient SHOULD contain zero or more [0..\*] guardian (CONF:3315-32).
          1. The guardian, 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:3315-68).
          2. The guardian, if present, SHALL contain at least one [1..\*] telecom (CONF:3315-69).
          3. The guardian, if present, SHALL contain exactly one [1..1] guardianPerson (CONF:3315-70).
       4. This patient SHALL contain at least one [1..\*] languageCommunication (CONF:3315-72).

1. SHALL contain at least one [1..\*] author (CONF:3315-34).  
   Note: In a public health case report, the author may be the provider, software, or a person in the role of a public health reporter, such as an infection control professional (ICP), a medical assistant, an office administrator, or another staff person who assists a provider with public health reporting.
   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:3315-35).
      1. This time SHALL NOT contain [0..0] @nullFlavor (CONF:3315-76).
   2. Such authors SHALL contain exactly one [1..1] assignedAuthor (CONF:3315-77).
2. SHALL contain at least one [1..\*] informationRecipient (CONF:3315-83).  
   Note: Responsible Clinician

The encompassing encounter represents the setting of the clinical encounter during which the document act(s) or ServiceEvent(s) occurred (CDA R2).

For the public health case report, the provider in charge of care and the facility in which care was provided when the case was triggered are contained within this element, along with the visit/encounter ID.

1. SHALL contain exactly one [1..1] componentOf (CONF:3315-1).
   1. This componentOf SHALL contain exactly one [1..1] encompassingEncounter (CONF:3315-2).
      1. This encompassingEncounter SHALL contain at least one [1..\*] id (CONF:3315-54).  
         Note: This identifier corresponds to the visit or encounter ID
      2. This encompassingEncounter SHALL contain exactly one [1..1] code, which SHOULD be selected from ValueSet [ActEncounterCode](#ActEncounterCode) urn:oid:2.16.840.1.113883.1.11.13955 (CONF:3315-55).  
         Note: PatientEncounter.typeCode
      3. This encompassingEncounter SHALL contain exactly one [1..1] effectiveTime (CONF:3315-3).
         1. This effectiveTime SHALL NOT contain [0..0] @nullFlavor (CONF:3315-38).
         2. This effectiveTime SHALL contain exactly one [1..1] low (CONF:3315-39).  
            Note: PatientEncounter.fromDateTime
         3. This effectiveTime SHALL contain exactly one [1..1] high (CONF:3315-40).  
            Note: PatientEncounter.thruDateTime . This value is associated with the patient's departure (e.g. discharge)
      4. This encompassingEncounter SHALL contain exactly one [1..1] responsibleParty (CONF:3315-4).
         1. This responsibleParty SHALL contain exactly one [1..1] assignedEntity (CONF:3315-5).  
            Note: ResponsibleProvider
            1. This assignedEntity SHALL contain at least one [1..\*] id (CONF:3315-7).  
               Note: ResponsibleProvider.identifier. If avalable, the NPI Idenitifier SHALL be provided.

Such ids SHALL contain exactly one [1..1] @root (CONF:3315-41).

Such ids MAY contain zero or one [0..1] @extension (CONF:3315-42).

* + - * 1. 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:3315-45).
        2. This assignedEntity SHALL contain at least one [1..\*] telecom (CONF:3315-46).  
           Note: ResponsibleProvider.telecomAddress
        3. This assignedEntity SHALL contain exactly one [1..1] assignedPerson (CONF:3315-6).

This assignedPerson SHALL contain exactly one [1..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:3315-37).  
Note: ResponsibleProvider.name

* + - * 1. This assignedEntity SHALL contain exactly one [1..1] representedOrganization (CONF:3315-8).  
           Note: ResponsibleProviderFacility

This representedOrganization SHALL contain exactly one [1..1] name (CONF:3315-43).  
Note: ProviderFacility.name

This representedOrganization 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:3315-44).  
Note: ProviderFacility.postalAddress

* + 1. This encompassingEncounter SHALL contain exactly one [1..1] location (CONF:3315-9).
       1. This location SHALL contain exactly one [1..1] healthCareFacility (CONF:3315-10).
          1. This healthCareFacility SHALL contain exactly one [1..1] id (CONF:3315-11).  
             Note: CareDeliveryFacility.identifier

This id SHALL contain exactly one [1..1] @root (CONF:3315-47).

This id MAY contain zero or one [0..1] @extension (CONF:3315-48).

**Please note**: the binding to the ServiceDeliveryLocationRoleType value set is SHOULD, so, for concepts that aren't represented in this value set, it is possible to use another code from a recognized code system.

To represent "Correctional Facility" use SNOMED CT code 257656006: Correctional Facility.

* + - * 1. This healthCareFacility SHALL contain exactly one [1..1] code, which SHOULD be selected from ValueSet [ServiceDeliveryLocationRoleType](#ServiceDeliveryLocationRoleType) urn:oid:2.16.840.1.113883.1.11.17660 (CONF:3315-53).  
           Note: CareFacility.typeCode
        2. This healthCareFacility SHALL contain exactly one [1..1] location (CONF:3315-12).

This location 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:3315-49).  
Note: CareDeliveryFacility.postalAddress

* + - * 1. This healthCareFacility SHALL contain exactly one [1..1] serviceProviderOrganization (CONF:3315-13).

This serviceProviderOrganization SHALL contain exactly one [1..1] name (CONF:3315-50).  
Note: CareDeliveryOrganization.name

This serviceProviderOrganization SHALL contain at least one [1..\*] telecom (CONF:3315-51).  
Note: CareDeliveryOrganization.telecomAddress

This serviceProviderOrganization 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:3315-52).

1. SHALL contain exactly one [1..1] component (CONF:3315-14).
   1. This component SHALL contain exactly one [1..1] structuredBody (CONF:3315-141).
      1. This structuredBody SHALL contain exactly one [1..1] component (CONF:3315-142) such that it
         1. SHALL contain exactly one [1..1] [Reportability Response Short Description Section](#S_Reportability_Response_Short_Descript) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.2.1:2017-04-01) (CONF:3315-144).
      2. This structuredBody SHALL contain exactly one [1..1] component (CONF:3315-143) such that it
         1. SHALL contain exactly one [1..1] [Reportability Response Summary Section](#S_Reportability_Response_Summary_Section) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.2.2:2017-04-01) (CONF:3315-145).

Figure 17: Reportability Response Document (RR)

<ClinicalDocument>

<realmCode code="US" />

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

<!-- [C-CDA R2.1] US Realm Header (V3) -->

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

<!-- [RR R1S1] Initial Public Health Case Report Reportability Response Document (RR) -->

<templateId root="2.16.840.1.113883.10.20.15.2" extension="2017-04-01" />

<!-- Globally unique document ID (extension) is scoped by vendor/software -->

<id root="18218889-5d7d-47d4-b329-31bb1c28d3b3" />

<!-- Document Code -->

<code code="55751-2" codeSystem="2.16.840.1.113883.6.1" displayName="Public Health Case Report" />

<title>Initial Public Health Case Report Reportability Response</title>

<effectiveTime value="20161212094421-0700" />

<confidentialityCode code="N" codeSystem="2.16.840.1.113883.5.25" displayName="Normal" />

<languageCode code="en-US" />

...

</ClinicalDocument>

# section

Electronic Initial Case Report Section

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.15.2.2.3:2017-04-01 (open)]

Draft as part of Reportability Response

Table 5: Electronic Initial Case Report Section Contexts

| Contained By: | Contains: |
| --- | --- |
| [Reportability Response Summary Section](#S_Reportability_Response_Summary_Section) (required) | [Received eICR Information](#E_Received_eICR_Information) |

This section contains information about the eICR CDA document to which this document is in response. The date/time of receipt and an external document reference containing the ID of the eICD CDA document are represented.

This section does not contain a title or text element as all narrative will be rendered in the containing Reportability Response Summary Section.

**TODO**\* description

Table 6: Electronic Initial Case Report Section Constraints Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| XPath | Card. | Verb | Data Type | CONF# | Value |
| section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.2.3:2017-04-01) | | | | | |
| templateId | 1..1 | SHALL |  | [3315-121](#C_3315-121) |  |
| @root | 1..1 | SHALL |  | [3315-127](#C_3315-127) | 2.16.840.1.113883.10.20.15.2.2.3 |
| @extension | 1..1 | SHALL |  | [3315-128](#C_3315-128) | 2017-04-01 |
| code | 1..1 | SHALL |  | [3315-122](#C_3315-122) |  |
| @code | 1..1 | SHALL |  | [3315-129](#C_3315-129) | TEMP\_CODE\_EICR\_SECTION |
| @codeSystem | 1..1 | SHALL |  | [3315-130](#C_3315-130) | urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1 |
| entry | 1..1 | SHALL |  | [3315-126](#C_3315-126) |  |
| act | 1..1 | SHALL |  | [3315-203](#C_3315-203) | [Received eICR Information (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.9:2017-04-01](#E_Received_eICR_Information) |

1. SHALL contain exactly one [1..1] templateId (CONF:3315-121) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.15.2.2.3" (CONF:3315-127).
   2. SHALL contain exactly one [1..1] @extension="2017-04-01" (CONF:3315-128).
2. SHALL contain exactly one [1..1] code (CONF:3315-122).
   1. This code SHALL contain exactly one [1..1] @code="TEMP\_CODE\_EICR\_SECTION" Electronic Initial Case Report Section (CONF:3315-129).
   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:3315-130).
3. SHALL contain exactly one [1..1] entry (CONF:3315-126) such that it
   1. SHALL contain exactly one [1..1] [Received eICR Information](#E_Received_eICR_Information) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.9:2017-04-01) (CONF:3315-203).

Figure 18: Electronic Initial Case Report Section Example

<section>

<!-- [RR R1S1] Electronic Initial Case Report Section -->

<templateId root="2.16.840.1.113883.10.20.15.2.2.3" extension="2017-04-01" />

<code code="TEMP\_CODE\_EICR\_SECTION"

codeSystem="2.16.840.1.113883.6.1"

codeSystemName="LOINC"

displayName="Electronic Intial Case Report Section" />

<entry>

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

<!-- Received eICR Information -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.9" extension="2017-04-01" />

...

</act>

</entry>

</section>

Reportability Response Coded Information Section

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.15.2.2.4:2017-04-01 (open)]

Draft as part of Reportability Response

Table 7: Reportability Response Coded Information Section Contexts

| Contained By: | Contains: |
| --- | --- |
| [Reportability Response Summary Section](#S_Reportability_Response_Summary_Section) (required) | [Additional External Reference Organizer](#E_Additional_External_Reference_Organiz)  [External Reference Organizer](#E_External_Reference_Organizer)  [Reportability Response Report Status](#E_Reportability_Response_Report_Status)  [Reporting Jurisdiction Organizer](#E_Reporting_Jurisdiction_Organizer) |

This section contains the coded information for the Reportability Response. This includes determination of reportability, reportable condition, reporting jurisdiction, reporting timeframe, and reporting action(s). It also contains links to external references for supplemental information requests, contact information and additional information of relevance to the reportable condition.

This section does not contain a title or text element as all narrative will be rendered in the containing Reportability Response Summary Section.

**TODO**\* description

Table 8: Reportability Response Coded Information Section Constraints Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| XPath | Card. | Verb | Data Type | CONF# | Value |
| section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.2.4:2017-04-01) | | | | | |
| templateId | 1..1 | SHALL |  | [3315-131](#C_3315-131) |  |
| @root | 1..1 | SHALL |  | [3315-137](#C_3315-137) | 2.16.840.1.113883.10.20.15.2.2.4 |
| @extension | 1..1 | SHALL |  | [3315-138](#C_3315-138) | 2017-04-01 |
| code | 1..1 | SHALL |  | [3315-132](#C_3315-132) |  |
| @code | 1..1 | SHALL |  | [3315-139](#C_3315-139) | TEMP\_CODE\_CODED\_INFO\_SECTION |
| @codeSystem | 1..1 | SHALL |  | [3315-140](#C_3315-140) | urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1 |
| entry | 1..1 | SHALL |  | [3315-136](#C_3315-136) |  |
| observation | 1..1 | SHALL |  | [3315-215](#C_3315-215) | [Reportability Response Report Status (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.11:2017-04-01](#E_Reportability_Response_Report_Status) |
| entry | 1..\* | SHALL |  | [3315-235](#C_3315-235) |  |
| organizer | 1..1 | SHALL |  | [3315-236](#C_3315-236) | [Reporting Jurisdiction Organizer (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.12:2017-04-01](#E_Reporting_Jurisdiction_Organizer) |
| entry | 0..\* | SHOULD |  | [3315-308](#C_3315-308) |  |
| organizer | 1..1 | SHALL |  | [3315-309](#C_3315-309) | [External Reference Organizer (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.16:2017-04-01](#E_External_Reference_Organizer) |
| entry | 0..\* | SHOULD |  | [3315-324](#C_3315-324) |  |
| organizer | 1..1 | SHALL |  | [3315-325](#C_3315-325) | [Additional External Reference Organizer (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.18:2017-04-01](#E_Additional_External_Reference_Organiz) |

1. SHALL contain exactly one [1..1] templateId (CONF:3315-131) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.15.2.2.4" (CONF:3315-137).
   2. SHALL contain exactly one [1..1] @extension="2017-04-01" (CONF:3315-138).
2. SHALL contain exactly one [1..1] code (CONF:3315-132).
   1. This code SHALL contain exactly one [1..1] @code="TEMP\_CODE\_CODED\_INFO\_SECTION" Reportability Response Coded Information (CONF:3315-139).
   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:3315-140).
3. SHALL contain exactly one [1..1] entry (CONF:3315-136) such that it
   1. SHALL contain exactly one [1..1] [Reportability Response Report Status](#E_Reportability_Response_Report_Status) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.11:2017-04-01) (CONF:3315-215).
4. SHALL contain at least one [1..\*] entry (CONF:3315-235) such that it
   1. SHALL contain exactly one [1..1] [Reporting Jurisdiction Organizer](#E_Reporting_Jurisdiction_Organizer) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.12:2017-04-01) (CONF:3315-236).
5. SHOULD contain zero or more [0..\*] entry (CONF:3315-308) such that it
   1. SHALL contain exactly one [1..1] [External Reference Organizer](#E_External_Reference_Organizer) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.16:2017-04-01) (CONF:3315-309).
6. SHOULD contain zero or more [0..\*] entry (CONF:3315-324) such that it
   1. SHALL contain exactly one [1..1] [Additional External Reference Organizer](#E_Additional_External_Reference_Organiz) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.18:2017-04-01) (CONF:3315-325).

Figure 19: Reportability Response Coded Information Section Example

<section>

<!-- [RR R1S1] Electronic Initial Case Report Section -->

<templateId root="2.16.840.1.113883.10.20.15.2.2.3" extension="2017-04-01" />

<code code="TEMP\_CODE\_EICR\_SECTION"

codeSystem="2.16.840.1.113883.6.1"

codeSystemName="LOINC"

displayName="Electronic Intial Case Report Section" />

<entry>

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

<!-- Received eICR Information -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.9" extension="2017-04-01" />

...

</act>

</entry>

</section>

Reportability Response Short Description Section

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.15.2.2.1:2017-04-01 (open)]

Draft as part of Reportability Response

Table 9: Reportability Response Short Description Section Contexts

| Contained By: | Contains: |
| --- | --- |
| [Reportability Response Document (RR)](#D_Reportability_Response_Document_RR) (required) | [Reportability Response Short Description](#E_Reportability_Response_Short_Descript) |

This section contains the short description for the Reportability Response. This information can be used in a work queue or an email subject and is meant to give a quite concise description of the reportable condition and any actions taken.

**TODO**

Table 10: Reportability Response Short Description Section Constraints Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| XPath | Card. | Verb | Data Type | CONF# | Value |
| section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.2.1:2017-04-01) | | | | | |
| templateId | 1..1 | SHALL |  | [3315-85](#C_3315-85) |  |
| @root | 1..1 | SHALL |  | [3315-91](#C_3315-91) | 2.16.840.1.113883.10.20.15.2.2.1 |
| @extension | 1..1 | SHALL |  | [3315-92](#C_3315-92) | 2017-04-01 |
| code | 1..1 | SHALL |  | [3315-86](#C_3315-86) |  |
| @code | 1..1 | SHALL |  | [3315-93](#C_3315-93) | TEMP\_CODE\_DESCRIPTION\_SECTION |
| @codeSystem | 1..1 | SHALL |  | [3315-94](#C_3315-94) | urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1 |
| text | 1..1 | SHALL |  | [3315-95](#C_3315-95) |  |
| paragraph | 1..1 | SHALL |  | [3315-100](#C_3315-100) |  |
| content | 1..1 | SHALL |  | [3315-101](#C_3315-101) |  |
| @ID | 1..1 | SHALL |  | [3315-102](#C_3315-102) |  |
| entry | 1..1 | SHALL |  | [3315-84](#C_3315-84) |  |
| act | 1..1 | SHALL |  | [3315-161](#C_3315-161) | [Reportability Response Short Description (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.7:2017-04-01](#E_Reportability_Response_Short_Descript) |

1. SHALL contain exactly one [1..1] templateId (CONF:3315-85) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.15.2.2.1" (CONF:3315-91).
   2. SHALL contain exactly one [1..1] @extension="2017-04-01" (CONF:3315-92).
2. SHALL contain exactly one [1..1] code (CONF:3315-86).
   1. This code SHALL contain exactly one [1..1] @code="TEMP\_CODE\_DESCRIPTION\_SECTION" Reportability Response Short Description (CONF:3315-93).
   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:3315-94).
3. SHALL contain exactly one [1..1] text (CONF:3315-95).

The text in this paragraph is pointed to by the reference in the Reportability Response Short Description template. This text must be rendered first in the narrative, much like the subject of an email.

* 1. This text SHALL contain exactly one [1..1] paragraph (CONF:3315-100).  
     Note: Short description of the reportability response
     1. This paragraph SHALL contain exactly one [1..1] content (CONF:3315-101).
        1. This content SHALL contain exactly one [1..1] @ID (CONF:3315-102).

1. SHALL contain exactly one [1..1] entry (CONF:3315-84) such that it
   1. SHALL contain exactly one [1..1] [Reportability Response Short Description](#E_Reportability_Response_Short_Descript) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.7:2017-04-01) (CONF:3315-161).

Figure 20: Reportability Response Short Description Section Example

<section>

<!-- [RR R1S1] Reportability Response Short Description Section -->

<templateId root="2.16.840.1.113883.10.20.15.2.2.1" extension="2017-04-01" />

<code code="TEMP\_CODE\_DESCRIPTION\_SECTION"

codeSystem="2.16.840.1.113883.6.1"

codeSystemName="LOINC"

displayName="Reportability Response Short Description" />

<text>

<!-- paragraph/content/@ID contains the id of the template that references it, prefixed with "ref\_" -->

<paragraph>

<content ID="ref\_c62d8411-27a3-4d22-9ddb-a4998faea87a">

<content styleCode="Bold">Reportable condition notification:</content>

An initial report for Pertussis and Salmonellosis has been sent to the

Colorado Department of Public Health and Environment and New Jersey Department of Health.</content>

</paragraph>

</text>

<entry typeCode="DRIV">

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

<!-- [C-CDA R2.1] Instruction (V2) -->

<templateId root="2.16.840.1.113883.10.20.22.4.20" extension="2014-06-09" />

<!-- [RR R1S1] Reportability Response Short Description -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.7" extension="2017-04-01" />

...

</act>

</entry>

</section>

Reportability Response Summary Section

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.15.2.2.2:2017-04-01 (open)]

Draft as part of Reportability Response

Table 11: Reportability Response Summary Section Contexts

| Contained By: | Contains: |
| --- | --- |
| [Reportability Response Document (RR)](#D_Reportability_Response_Document_RR) (required) | [Electronic Initial Case Report Section](#S_Electronic_Initial_Case_Report_Section)  [Reportability Response Coded Information Section](#S_Reportability_Response_Coded_Informat)  [Reportability Response Summary](#E_Reportability_Response_Summary) |

This section contains the Reportability Response Summary template along with nested sections Electronic Initial Case Report Section and Reportability Response Coded Information Section. All the required narrative for the nested sections is rendered in the text element of this top-level section.

**TODO**

Table 12: Reportability Response Summary Section Constraints Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| XPath | Card. | Verb | Data Type | CONF# | Value |
| section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.2.2:2017-04-01) | | | | | |
| templateId | 1..1 | SHALL |  | [3315-103](#C_3315-103) |  |
| @root | 1..1 | SHALL |  | [3315-109](#C_3315-109) | 2.16.840.1.113883.10.20.15.2.2.2 |
| @extension | 1..1 | SHALL |  | [3315-110](#C_3315-110) | 2017-04-01 |
| code | 1..1 | SHALL |  | [3315-104](#C_3315-104) |  |
| @code | 1..1 | SHALL |  | [3315-111](#C_3315-111) | 55112-7 |
| @codeSystem | 1..1 | SHALL |  | [3315-112](#C_3315-112) | urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1 |
| text | 1..1 | SHALL |  | [3315-105](#C_3315-105) |  |
| paragraph | 1..1 | SHALL |  | [3315-106](#C_3315-106) |  |
| content | 1..1 | SHALL |  | [3315-107](#C_3315-107) | Summary: |
| @styleCode | 1..1 | SHALL |  | [3315-116](#C_3315-116) | Bold |
| paragraph | 1..1 | SHALL |  | [3315-335](#C_3315-335) |  |
| content | 1..1 | SHALL |  | [3315-336](#C_3315-336) |  |
| @ID | 1..1 | SHALL |  | [3315-337](#C_3315-337) |  |
| table | 1..1 | SHALL |  | [3315-114](#C_3315-114) |  |
| @ID | 1..1 | SHALL |  | [3315-115](#C_3315-115) | ref\_2.16.840.1.113883.10.20.15.2.2.3 |
| entry | 1..1 | SHALL |  | [3315-108](#C_3315-108) |  |
| act | 1..1 | SHALL |  | [3315-176](#C_3315-176) | [Reportability Response Summary (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.8:2017-04-01](#E_Reportability_Response_Summary) |
| component | 1..1 | SHALL |  | [3315-117](#C_3315-117) |  |
| section | 1..1 | SHALL |  | [3315-119](#C_3315-119) | [Electronic Initial Case Report Section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.2.3:2017-04-01](#S_Electronic_Initial_Case_Report_Section) |
| component | 1..1 | SHALL |  | [3315-118](#C_3315-118) |  |
| section | 1..1 | SHALL |  | [3315-120](#C_3315-120) | [Reportability Response Coded Information Section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.2.4:2017-04-01](#S_Reportability_Response_Coded_Informat) |

1. SHALL contain exactly one [1..1] templateId (CONF:3315-103) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.15.2.2.2" (CONF:3315-109).
   2. SHALL contain exactly one [1..1] @extension="2017-04-01" (CONF:3315-110).
2. SHALL contain exactly one [1..1] code (CONF:3315-104).
   1. This code SHALL contain exactly one [1..1] @code="55112-7" Document Summary (CONF:3315-111).
   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:3315-112).
3. SHALL contain exactly one [1..1] text (CONF:3315-105).

The text in this paragraph is pointed to by the reference in the Reportability Response Short Description template. This text must be rendered first in the narrative, much like the subject of an email.

* 1. This text SHALL contain exactly one [1..1] paragraph (CONF:3315-106) such that it  
     Note: Short description of the reportability response
     1. SHALL contain exactly one [1..1] content="Summary:" (CONF:3315-107).
        1. This content SHALL contain exactly one [1..1] @styleCode="Bold" (CONF:3315-116).

The text in the following paragraph is pointed to by the reference in the Reportability Response Short Description template. This text must be rendered first in the narrative, much like the subject of an email.

* 1. This text SHALL contain exactly one [1..1] paragraph (CONF:3315-335) such that it
     1. SHALL contain exactly one [1..1] content (CONF:3315-336).  
        Note: Summary text
        1. This content SHALL contain exactly one [1..1] @ID (CONF:3315-337).
  2. This text SHALL contain exactly one [1..1] table (CONF:3315-114) such that it

The value "ref[\_]2.16.840.1.113883.10.20.15.2.2.3 is the concatenation of "ref\_

* + 1. SHALL contain exactly one [1..1] @ID="ref\_2.16.840.1.113883.10.20.15.2.2.3" (CONF:3315-115).

1. SHALL contain exactly one [1..1] entry (CONF:3315-108) such that it
   1. SHALL contain exactly one [1..1] [Reportability Response Summary](#E_Reportability_Response_Summary) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.8:2017-04-01) (CONF:3315-176).
2. SHALL contain exactly one [1..1] component (CONF:3315-117) such that it
   1. SHALL contain exactly one [1..1] [Electronic Initial Case Report Section](#S_Electronic_Initial_Case_Report_Section) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.2.3:2017-04-01) (CONF:3315-119).
3. SHALL contain exactly one [1..1] component (CONF:3315-118) such that it
   1. SHALL contain exactly one [1..1] [Reportability Response Coded Information Section](#S_Reportability_Response_Coded_Informat) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.2.4:2017-04-01) (CONF:3315-120).

Figure 21: Reportability Response Summary Section Example

<section>

<!-- [RR R1S1] Reportability Response Summary Section -->

<templateId root="2.16.840.1.113883.10.20.15.2.2.2" extension="2017-04-01" />

<code code="55112-7"

codeSystem="2.16.840.1.113883.6.1"

codeSystemName="LOINC"

displayName="Document Summary" />

<text>

...

</text>

<!-- Reportability Response Summary -->

<entry typeCode="DRIV">

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

<!-- [C-CDA R2.1] Instruction (V2) -->

<templateId root="2.16.840.1.113883.10.20.22.4.20" extension="2014-06-09" />

<!-- [RR R1S1] Reportability Response Summary -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.8" extension="2017-04-01" />

...

</act>

</entry>

<!--

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Electronic Initial Case Report Section

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

-->

<component>

<section>

<!-- [RR R1S1] Electronic Initial Case Report Section -->

<templateId root="2.16.840.1.113883.10.20.15.2.2.3" extension="2017-04-01" />

...

</section>

</component>

<!--

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Reportability Response Coded Information Section

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

-->

<component>

<section>

<templateId root="2.16.840.1.113883.10.20.15.2.2.4" extension="2017-04-01" />

...

</section>

</component>

</section>

# entry

Additional External Reference Organizer

[organizer: identifier urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.18:2017-04-01 (open)]

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Table 13: Additional External Reference Organizer Contexts

| Contained By: | Contains: |
| --- | --- |
| [Reportability Response Coded Information Section](#S_Reportability_Response_Coded_Informat) (optional)  [Reporting Jurisdiction Organizer](#E_Reporting_Jurisdiction_Organizer) (optional)  [Reportable Condition Information Organizer](#E_Reportable_Condition_Information_Orga) (optional) | [External Reference](#E_External_Reference) |

This organizer contains one or more references to additional information in external documents/webpages/forms.

**TODO**\*

Table 14: Additional External Reference Organizer Constraints Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| XPath | Card. | Verb | Data Type | CONF# | Value |
| organizer (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.18:2017-04-01) | | | | | |
| @classCode | 1..1 | SHALL |  | [3315-321](#C_3315-321) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = CLUSTER |
| @moodCode | 1..1 | SHALL |  | [3315-322](#C_3315-322) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN |
| templateId | 1..1 | SHALL |  | [3315-311](#C_3315-311) |  |
| @root | 1..1 | SHALL |  | [3315-315](#C_3315-315) | 2.16.840.1.113883.10.20.15.2.3.18 |
| @extension | 1..1 | SHALL |  | [3315-316](#C_3315-316) | 2017-04-01 |
| id | 1..1 | SHALL |  | [3315-323](#C_3315-323) |  |
| code | 1..1 | SHALL |  | [3315-313](#C_3315-313) |  |
| @code | 0..1 | MAY |  | [3315-319](#C_3315-319) | TEMP\_CODE\_ADDITIONAL\_EXTERNAL\_REFERENCES |
| @codeSystem | 1..1 | SHALL |  | [3315-320](#C_3315-320) |  |
| statusCode | 1..1 | SHALL |  | [3315-312](#C_3315-312) |  |
| @code | 1..1 | SHALL |  | [3315-318](#C_3315-318) | urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed |
| reference | 1..\* | SHALL |  | [3315-310](#C_3315-310) |  |
| @typeCode | 1..1 | SHALL |  | [3315-317](#C_3315-317) | urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR |
| externalDocument | 1..1 | SHALL |  | [3315-314](#C_3315-314) | [External Reference (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.17:2017-04-01](#E_External_Reference) |

1. SHALL contain exactly one [1..1] @classCode="CLUSTER" Cluster (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:3315-321).
2. SHALL contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:3315-322).
3. SHALL contain exactly one [1..1] templateId (CONF:3315-311) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.15.2.3.18" (CONF:3315-315).
   2. SHALL contain exactly one [1..1] @extension="2017-04-01" (CONF:3315-316).
4. SHALL contain exactly one [1..1] id (CONF:3315-323).

This is a general code to represent the type of documents contained in the organizer.

1. SHALL contain exactly one [1..1] code (CONF:3315-313).
   1. This code MAY contain zero or one [0..1] @code="TEMP\_CODE\_ADDITIONAL\_EXTERNAL\_REFERENCES" Additional External References (CONF:3315-319).
   2. This code SHALL contain exactly one [1..1] @codeSystem (CONF:3315-320).
2. SHALL contain exactly one [1..1] statusCode (CONF:3315-312).
   1. This statusCode SHALL contain exactly one [1..1] @code="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:3315-318).

Contains one or more references to external report documents.

1. SHALL contain at least one [1..\*] reference (CONF:3315-310).
   1. Such references SHALL contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:3315-317).
   2. Such references SHALL contain exactly one [1..1] [External Reference](#E_External_Reference) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.17:2017-04-01) (CONF:3315-314).

Figure 22: Additional External Reference Organizer

<organizer classCode="CLUSTER" moodCode="EVN">

<!-- [RR R1S1] Additional External Reference Organizer -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.18" extension="2017-04-01" />

<id root="bbfc37e5-45e2-4a2e-845b-50f890ff630e" />

<code code="TEMP\_CODE\_ADDITIONAL\_EXTERNAL\_REFERENCES"

displayName="Additional External References"

codeSystem="2.16.840.1.113883.6.1"

codeSystemName="LOINC" />

<statusCode code="completed" />

<reference typeCode="REFR">

<externalDocument classCode="DOC" moodCode="EVN">

<!-- [RR R1S1] External Reference -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.17" extension="2017-04-01" />

...

</externalDocument>

</reference>

<reference typeCode="REFR">

<externalDocument classCode="DOC" moodCode="EVN">

<!-- [RR R1S1] External Reference -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.17" extension="2017-04-01" />

...

</externalDocument>

</reference>

...

</organizer>

External Document Reference

[externalDocument: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.115:2014-06-09 (open)]

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Where it is necessary to reference an external clinical document, the External Document Reference template can be used to reference this external document. However, if the containing document is replacing or appending to another document in the same set, that relationship is set in the header, using ClinicalDocument/relatedDocument.

Table 15: External Document Reference Constraints Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| XPath | Card. | Verb | Data Type | CONF# | Value |
| externalDocument (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.115:2014-06-09) | | | | | |
| @classCode | 1..1 | SHALL |  | [1098-31931](#C_1098-31931) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = DOCCLIN |
| @moodCode | 1..1 | SHALL |  | [1098-31932](#C_1098-31932) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN |
| templateId | 1..1 | SHALL |  | [1098-32748](#C_1098-32748) |  |
| @root | 1..1 | SHALL |  | [1098-32750](#C_1098-32750) | 2.16.840.1.113883.10.20.22.4.115 |
| @extension | 1..1 | SHALL |  | [1098-32749](#C_1098-32749) | 2014-06-09 |
| id | 1..1 | SHALL |  | [1098-32751](#C_1098-32751) |  |
| code | 1..1 | SHALL |  | [1098-31933](#C_1098-31933) |  |
| setId | 0..1 | SHOULD |  | [1098-32752](#C_1098-32752) |  |
| versionNumber | 0..1 | SHOULD |  | [1098-32753](#C_1098-32753) |  |

1. SHALL contain exactly one [1..1] @classCode="DOCCLIN" Clinical Document (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:1098-31931).
2. SHALL contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:1098-31932).
3. SHALL contain exactly one [1..1] templateId (CONF:1098-32748) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.22.4.115" (CONF:1098-32750).
   2. SHALL contain exactly one [1..1] @extension="2014-06-09" (CONF:1098-32749).
4. SHALL contain exactly one [1..1] id (CONF:1098-32751).
5. SHALL contain exactly one [1..1] code (CONF:1098-31933).
6. SHOULD contain zero or one [0..1] setId (CONF:1098-32752).
7. SHOULD contain zero or one [0..1] versionNumber (CONF:1098-32753).

Figure 23: External Document Reference Example

<externalDocument classCode="DOCCLIN" moodCode="EVN">

<templateId root="2.16.840.1.113883.10.20.22.4.115"

extension="2014-06-09" />

<id root="6f1bd58b-c58f-40b7-b314-caf1294ed98b" />

<code codeSystem="2.16.840.1.113883.6.1"

codeSystemName="LOINC"

code="57133-1"

displayName="Referral Note" />

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

<versionNumber value="1" />

</externalDocument>

eICR External Document Reference

[externalDocument: identifier urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.10:2017-04-01 (open)]

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Table 16: eICR External Document Reference Contexts

| Contained By: | Contains: |
| --- | --- |
| [Received eICR Information](#E_Received_eICR_Information) (required) |  |

This template is a reference to the eICR document that this Reportability Response report is in response to.

**TODO**\*

Table 17: eICR External Document Reference Constraints Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| XPath | Card. | Verb | Data Type | CONF# | Value |
| externalDocument (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.10:2017-04-01) | | | | | |
| @classCode | 1..1 | SHALL |  | [3315-194](#C_3315-194) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = DOCCLIN |
| @moodCode | 1..1 | SHALL |  | [3315-195](#C_3315-195) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN |
| templateId | 1..1 | SHALL |  | [3315-193](#C_3315-193) |  |
| @root | 1..1 | SHALL |  | [3315-197](#C_3315-197) | 2.16.840.1.113883.10.20.15.2.3.10 |
| @extension | 1..1 | SHALL |  | [3315-198](#C_3315-198) | 2017-04-01 |
| code | 1..1 | SHALL |  | [3315-196](#C_3315-196) |  |
| @code | 1..1 | SHALL |  | [3315-199](#C_3315-199) | 55751-2 |
| @codeSystem | 1..1 | SHALL |  | [3315-200](#C_3315-200) | urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1 |
| text | 0..1 | MAY |  | [3315-201](#C_3315-201) |  |
| reference | 0..1 | MAY |  | [3315-202](#C_3315-202) |  |

1. Conforms to [External Document Reference](#E_External_Document_Reference) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.115:2014-06-09).
2. SHALL contain exactly one [1..1] @classCode="DOCCLIN" Clinical Document (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:3315-194).
3. SHALL contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:3315-195).
4. SHALL contain exactly one [1..1] templateId (CONF:3315-193) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.15.2.3.10" (CONF:3315-197).
   2. SHALL contain exactly one [1..1] @extension="2017-04-01" (CONF:3315-198).
5. SHALL contain exactly one [1..1] code (CONF:3315-196).
   1. This code SHALL contain exactly one [1..1] @code="55751-2" Public Health Case Report (eICR) (CONF:3315-199).
   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:3315-200).

If a link to the eICR document is available, it should be placed in the text/reference element.

1. MAY contain zero or one [0..1] text (CONF:3315-201).
   1. The text, if present, MAY contain zero or one [0..1] reference (CONF:3315-202).

Figure 24: iICR External Document Reference Example

<externalDocument classCode="DOCCLIN" moodCode="EVN">

<!-- [C-CDA R2.0 External Document Reference] -->

<templateId root="2.16.840.1.113883.10.20.22.4.115" extension="2014-06-09" />

<!-- [RR R1S1 eICR External Document Reference] -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.10" extension="2017-04-01" />

<!-- ClinicalDocument/id of the eICR CDA instance that this document is in response to -->

<id root="ca316e79-aaf2-4e8c-aa5f-848093bb8bb1" />

<!-- eICR ClinicalDocument/code (hard coded to this) -->

<code code="55751-2"

codeSystem="2.16.840.1.113883.6.1"

codeSystemName="LOINC"

displayName="Public Health Case Report (eICR)" />

<!-- If there is a setId and versionNumber this must be populated -->

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

<versionNumber value="1" />

<!-- if a link ot the eICR document is available, it should be placed in the text/reference element -->

<text>

<reference value="https://www.provider.com/eICR\_CDA\_document.xml" />

</text>

</externalDocument>

External Reference

[externalDocument: identifier urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.17:2017-04-01 (open)]

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Table 18: External Reference Contexts

| Contained By: | Contains: |
| --- | --- |
| [External Reference Organizer](#E_External_Reference_Organizer) (required)  [Additional External Reference Organizer](#E_Additional_External_Reference_Organiz) (required) |  |

This template contains an external reference.

**TODO**\*

Table 19: External Reference Constraints Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| XPath | Card. | Verb | Data Type | CONF# | Value |
| externalDocument (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.17:2017-04-01) | | | | | |
| @classCode | 1..1 | SHALL |  | [3315-276](#C_3315-276) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = DOC |
| @moodCode | 1..1 | SHALL |  | [3315-277](#C_3315-277) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN |
| templateId | 1..1 | SHALL |  | [3315-271](#C_3315-271) |  |
| @root | 1..1 | SHALL |  | [3315-274](#C_3315-274) | 2.16.840.1.113883.10.20.15.2.3.17 |
| @extension | 1..1 | SHALL |  | [3315-275](#C_3315-275) | 2017-04-01 |
| id | 0..\* | MAY |  | [3315-284](#C_3315-284) |  |
| code | 1..1 | SHALL |  | [3315-272](#C_3315-272) |  |
| @nullFlavor | 1..1 | SHALL |  | [3315-285](#C_3315-285) | urn:oid:2.16.840.1.113883.5.1008 (HL7NullFlavor) = OTH |
| originalText | 1..1 | SHALL |  | [3315-281](#C_3315-281) |  |
| reference | 1..1 | SHALL |  | [3315-282](#C_3315-282) |  |
| @value | 1..1 | SHALL |  | [3315-283](#C_3315-283) |  |
| text | 1..1 | SHALL |  | [3315-273](#C_3315-273) |  |
| reference | 0..1 | MAY |  | [3315-280](#C_3315-280) |  |

1. SHALL contain exactly one [1..1] @classCode="DOC" Document (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:3315-276).
2. SHALL contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:3315-277).
3. SHALL contain exactly one [1..1] templateId (CONF:3315-271) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.15.2.3.17" (CONF:3315-274).
   2. SHALL contain exactly one [1..1] @extension="2017-04-01" (CONF:3315-275).
4. MAY contain zero or more [0..\*] id (CONF:3315-284).
5. SHALL contain exactly one [1..1] code (CONF:3315-272).
   1. This code SHALL contain exactly one [1..1] @nullFlavor="OTH" (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:3315-285).
   2. This code SHALL contain exactly one [1..1] originalText (CONF:3315-281).
      1. This originalText SHALL contain exactly one [1..1] reference (CONF:3315-282).
         1. This reference SHALL contain exactly one [1..1] @value (CONF:3315-283).
            1. This reference/@value SHALL equal the concatenation of '#ref' and the value of id/@root and SHALL point to its corresponding narrative (using the approach defined in CDA Release 2, section 4.3.5.1) (CONF:3315-286).

If a link to the eICR document is available, it should be placed in the text/reference element.

1. SHALL contain exactly one [1..1] text (CONF:3315-273).
   1. This text MAY contain zero or one [0..1] reference (CONF:3315-280).

Figure 25: External Document Reference Example

<externalDocument classCode="DOCCLIN" moodCode="EVN">

<templateId root="2.16.840.1.113883.10.20.22.4.115"

extension="2014-06-09" />

<id root="6f1bd58b-c58f-40b7-b314-caf1294ed98b" />

<code codeSystem="2.16.840.1.113883.6.1"

codeSystemName="LOINC"

code="57133-1"

displayName="Referral Note" />

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

<versionNumber value="1" />

</externalDocument>

External Reference Organizer

[organizer: identifier urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.16:2017-04-01 (open)]

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Table 20: External Reference Organizer Contexts

| Contained By: | Contains: |
| --- | --- |
| [Reportability Response Coded Information Section](#S_Reportability_Response_Coded_Informat) (optional)  [Reportable Condition Information Organizer](#E_Reportable_Condition_Information_Orga) (required) | [External Reference](#E_External_Reference) |

This organizer contains one or more references to external documents/webpages/forms.

**TODO**\*

Table 21: External Reference Organizer Constraints Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| XPath | Card. | Verb | Data Type | CONF# | Value |
| organizer (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.16:2017-04-01) | | | | | |
| @classCode | 1..1 | SHALL |  | [3315-302](#C_3315-302) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = CLUSTER |
| @moodCode | 1..1 | SHALL |  | [3315-303](#C_3315-303) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN |
| templateId | 1..1 | SHALL |  | [3315-287](#C_3315-287) |  |
| @root | 1..1 | SHALL |  | [3315-293](#C_3315-293) | 2.16.840.1.113883.10.20.15.2.3.16 |
| @extension | 1..1 | SHALL |  | [3315-294](#C_3315-294) | 2017-04-01 |
| id | 1..1 | SHALL |  | [3315-304](#C_3315-304) |  |
| code | 1..1 | SHALL |  | [3315-300](#C_3315-300) |  |
| @code | 0..1 | MAY |  | [3315-305](#C_3315-305) | TEMP\_CODE\_EXTERNAL\_REFERENCES |
| @codeSystem | 1..1 | SHALL |  | [3315-306](#C_3315-306) |  |
| statusCode | 1..1 | SHALL |  | [3315-292](#C_3315-292) |  |
| @code | 1..1 | SHALL |  | [3315-301](#C_3315-301) | urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed |
| reference | 1..\* | SHALL |  | [3315-288](#C_3315-288) |  |
| @typeCode | 1..1 | SHALL |  | [3315-299](#C_3315-299) | urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR |
| externalDocument | 1..1 | SHALL |  | [3315-307](#C_3315-307) | [External Reference (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.17:2017-04-01](#E_External_Reference) |

1. SHALL contain exactly one [1..1] @classCode="CLUSTER" Cluster (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:3315-302).
2. SHALL contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:3315-303).
3. SHALL contain exactly one [1..1] templateId (CONF:3315-287) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.15.2.3.16" (CONF:3315-293).
   2. SHALL contain exactly one [1..1] @extension="2017-04-01" (CONF:3315-294).
4. SHALL contain exactly one [1..1] id (CONF:3315-304).

This is a general code to represent the type of documents contained in the organizer.

1. SHALL contain exactly one [1..1] code (CONF:3315-300).
   1. This code MAY contain zero or one [0..1] @code="TEMP\_CODE\_EXTERNAL\_REFERENCES" External References (CONF:3315-305).
   2. This code SHALL contain exactly one [1..1] @codeSystem (CONF:3315-306).
2. SHALL contain exactly one [1..1] statusCode (CONF:3315-292).
   1. This statusCode SHALL contain exactly one [1..1] @code="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:3315-301).

Contains one or more references to external report documents.

1. SHALL contain at least one [1..\*] reference (CONF:3315-288).
   1. Such references SHALL contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:3315-299).
   2. Such references SHALL contain exactly one [1..1] [External Reference](#E_External_Reference) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.17:2017-04-01) (CONF:3315-307).

Figure 26: External Reference Organizer Example

<organizer classCode="CLUSTER" moodCode="EVN">

<!-- [RR R1S1] External Reference Organizer -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.16" extension="2017-04-01" />

<id root="747f4887-4967-4a7e-aacc-94070afa9a6c" />

<code code="TEMP\_CODE\_EXTERNAL\_REFERENCES"

displayName="External References"

codeSystem="2.16.840.1.113883.6.1"

codeSystemName="LOINC" />

<statusCode code="completed" />

<reference typeCode="REFR">

<externalDocument classCode="DOC" moodCode="EVN">

<!-- [RR R1S1] External Reference -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.17" extension="2017-04-01" />

...

</externalDocument>

</reference>

<reference typeCode="REFR">

<externalDocument classCode="DOC" moodCode="EVN">

<!-- [RR R1S1] External Reference -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.17" extension="2017-04-01" />

...

</externalDocument>

</reference>

...

</organizer>

Instruction (V2)

[act: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09 (open)]

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The Instruction template can be used in several ways, such as to record patient instructions within a Medication Activity or to record fill instructions within a supply order. The template's moodCode can only be INT. If an instruction was already be given, the Procedure Activity Act template (instead of this template) should be used to represent the already occurred instruction. The act/code defines the type of instruction. Though not defined in this template, a Vaccine Information Statement (VIS) document could be referenced through act/reference/externalDocument, and patient awareness of the instructions can be represented with the generic participant and the participant/awarenessCode.

Table 22: Instruction (V2) Constraints Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| XPath | Card. | Verb | Data Type | CONF# | Value |
| act (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09) | | | | | |
| @classCode | 1..1 | SHALL |  | [1098-7391](#C_1098-7391) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ACT |
| @moodCode | 1..1 | SHALL |  | [1098-7392](#C_1098-7392) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = INT |
| templateId | 1..1 | SHALL |  | [1098-7393](#C_1098-7393) |  |
| @root | 1..1 | SHALL |  | [1098-10503](#C_1098-10503) | 2.16.840.1.113883.10.20.22.4.20 |
| @extension | 1..1 | SHALL |  | [1098-32598](#C_1098-32598) | 2014-06-09 |
| code | 1..1 | SHALL |  | [1098-16884](#C_1098-16884) | urn:oid:2.16.840.1.113883.11.20.9.34 (Patient Education) |
| statusCode | 1..1 | SHALL |  | [1098-7396](#C_1098-7396) |  |
| @code | 1..1 | SHALL |  | [1098-19106](#C_1098-19106) | urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed |

1. SHALL contain exactly one [1..1] @classCode="ACT" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 STATIC) (CONF:1098-7391).
2. SHALL contain exactly one [1..1] @moodCode="INT" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 STATIC) (CONF:1098-7392).
3. SHALL contain exactly one [1..1] templateId (CONF:1098-7393) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.22.4.20" (CONF:1098-10503).
   2. SHALL contain exactly one [1..1] @extension="2014-06-09" (CONF:1098-32598).
4. SHALL contain exactly one [1..1] code, which SHOULD be selected from ValueSet [Patient Education](#Patient_Education) urn:oid:2.16.840.1.113883.11.20.9.34 DYNAMIC (CONF:1098-16884).
5. SHALL contain exactly one [1..1] statusCode (CONF:1098-7396).
   1. This statusCode SHALL contain exactly one [1..1] @code="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 STATIC) (CONF:1098-19106).

Figure 27: Instruction (V2) Example

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

<templateId root="2.16.840.1.113883.10.20.22.4.20" extension="2014-06-09" />

<code code="171044003" codeSystem="2.16.840.1.113883.6.96" displayName="immunization education" />

<text>

<reference value="#immunSect" />

Possible flu-like symptoms for three days.

</text>

<statusCode code="completed" />

</act>

Reportability Response Short Description

[act: identifier urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.7:2017-04-01 (open)]

Draft as part of Reportability Response

Table 23: Reportability Response Short Description Contexts

| Contained By: | Contains: |
| --- | --- |
| [Reportability Response Short Description Section](#S_Reportability_Response_Short_Descript) (required) |  |

This template contains a short high-level description of the reportable condition and any actions taken. This information can be used in a work queue or an email subject.

**TODO**\*

Table 24: Reportability Response Short Description Constraints Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| XPath | Card. | Verb | Data Type | CONF# | Value |
| act (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.7:2017-04-01) | | | | | |
| @classCode | 1..1 | SHALL |  | [3315-148](#C_3315-148) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ACT |
| @moodCode | 1..1 | SHALL |  | [3315-149](#C_3315-149) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = INT |
| templateId | 1..1 | SHALL |  | [3315-146](#C_3315-146) |  |
| @root | 1..1 | SHALL |  | [3315-150](#C_3315-150) | 2.16.840.1.113883.10.20.15.2.3.7 |
| @extension | 1..1 | SHALL |  | [3315-151](#C_3315-151) | 2017-04-01 |
| id | 1..1 | SHALL |  | [3315-155](#C_3315-155) |  |
| @root | 1..1 | SHALL |  | [3315-159](#C_3315-159) |  |
| code | 1..1 | SHALL |  | [3315-152](#C_3315-152) |  |
| @code | 0..1 | MAY |  | [3315-153](#C_3315-153) | 131195008 |
| @codeSystem | 0..1 | MAY |  | [3315-154](#C_3315-154) | urn:oid:2.16.840.1.113883.6.96 (SNOMED CT) = 2.16.840.1.113883.6.96 |
| text | 1..1 | SHALL |  | [3315-156](#C_3315-156) |  |
| reference | 1..1 | SHALL |  | [3315-157](#C_3315-157) |  |
| @value | 0..1 | SHALL |  | [3315-158](#C_3315-158) |  |

1. Conforms to [Instruction (V2)](#Instruction_V2) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09).
2. SHALL contain exactly one [1..1] @classCode="ACT" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 STATIC) (CONF:3315-148).
3. SHALL contain exactly one [1..1] @moodCode="INT" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 STATIC) (CONF:3315-149).
4. SHALL contain exactly one [1..1] templateId (CONF:3315-146) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.15.2.3.7" (CONF:3315-150).
   2. SHALL contain exactly one [1..1] @extension="2017-04-01" (CONF:3315-151).
5. SHALL contain exactly one [1..1] id (CONF:3315-155).
   1. This id SHALL contain exactly one [1..1] @root (CONF:3315-159).
6. SHALL contain exactly one [1..1] code (CONF:3315-152).
   1. This code MAY contain zero or one [0..1] @code="131195008" Subject of information (CONF:3315-153).
   2. This code MAY contain zero or one [0..1] @codeSystem="2.16.840.1.113883.6.96" (CodeSystem: SNOMED CT urn:oid:2.16.840.1.113883.6.96) (CONF:3315-154).
7. SHALL contain exactly one [1..1] text (CONF:3315-156).
   1. This text SHALL contain exactly one [1..1] reference (CONF:3315-157).
      1. This reference SHALL contain zero or one [0..1] @value (CONF:3315-158).
         1. This reference/@value SHALL be '#ref' plus id/@root and SHALL point to its corresponding narrative (using the approach defined in CDA Release 2, section 4.3.5.1) (CONF:3315-160).

Figure 28: Reportability Response Short Description Example

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

<!-- [C-CDA R2.1] Instruction (V2) -->

<templateId root="2.16.840.1.113883.10.20.22.4.20" extension="2014-06-09" />

<!-- [RR R1S1] Reportability Response Short Description -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.7" extension="2017-04-01" />

<id root="c62d8411-27a3-4d22-9ddb-a4998faea87a" />

<code code="131195008"

codeSystem="2.16.840.1.113883.6.96"

codeSystemName="SNOMED CT"

displayName="Subject of information" />

<!-- The text/reference/@value is id/@root prefixed with "#ref\_" and points up into the narrative -->

<text>

<reference value="#ref\_c62d8411-27a3-4d22-9ddb-a4998faea87a" />

</text>

<statusCode code="completed" />

</act>

Reportability Response Summary

[act: identifier urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.8:2017-04-01 (open)]

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Table 25: Reportability Response Summary Contexts

| Contained By: | Contains: |
| --- | --- |
| [Reportability Response Summary Section](#S_Reportability_Response_Summary_Section) (required) |  |

This template contains a detailed narrative description of the reportable condition(s) along with actions the provider needs to take, any supplemental information that may be required and where the initial case report was sent.

**TODO**\*

Table 26: Reportability Response Summary Constraints Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| XPath | Card. | Verb | Data Type | CONF# | Value |
| act (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.8:2017-04-01) | | | | | |
| @classCode | 1..1 | SHALL |  | [3315-170](#C_3315-170) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ACT |
| @moodCode | 1..1 | SHALL |  | [3315-171](#C_3315-171) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = INT |
| templateId | 1..1 | SHALL |  | [3315-162](#C_3315-162) |  |
| @root | 1..1 | SHALL |  | [3315-168](#C_3315-168) | 2.16.840.1.113883.10.20.15.2.3.8 |
| @extension | 1..1 | SHALL |  | [3315-169](#C_3315-169) | 2017-04-01 |
| id | 1..1 | SHALL |  | [3315-164](#C_3315-164) |  |
| @root | 1..1 | SHALL |  | [3315-174](#C_3315-174) |  |
| code | 1..1 | SHALL |  | [3315-163](#C_3315-163) |  |
| @code | 0..1 | MAY |  | [3315-172](#C_3315-172) | 304561000 |
| @codeSystem | 0..1 | MAY |  | [3315-173](#C_3315-173) | urn:oid:2.16.840.1.113883.6.96 (SNOMED CT) = 2.16.840.1.113883.6.96 |
| text | 1..1 | SHALL |  | [3315-165](#C_3315-165) |  |
| reference | 1..1 | SHALL |  | [3315-166](#C_3315-166) |  |
| @value | 0..1 | SHALL |  | [3315-167](#C_3315-167) |  |

1. Conforms to [Instruction (V2)](#Instruction_V2) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09).
2. SHALL contain exactly one [1..1] @classCode="ACT" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 STATIC) (CONF:3315-170).
3. SHALL contain exactly one [1..1] @moodCode="INT" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 STATIC) (CONF:3315-171).
4. SHALL contain exactly one [1..1] templateId (CONF:3315-162) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.15.2.3.8" (CONF:3315-168).
   2. SHALL contain exactly one [1..1] @extension="2017-04-01" (CONF:3315-169).
5. SHALL contain exactly one [1..1] id (CONF:3315-164).
   1. This id SHALL contain exactly one [1..1] @root (CONF:3315-174).
6. SHALL contain exactly one [1..1] code (CONF:3315-163).
   1. This code MAY contain zero or one [0..1] @code="304561000" Informing health care professional (procedure) (CONF:3315-172).
   2. This code MAY contain zero or one [0..1] @codeSystem="2.16.840.1.113883.6.96" (CodeSystem: SNOMED CT urn:oid:2.16.840.1.113883.6.96) (CONF:3315-173).
7. SHALL contain exactly one [1..1] text (CONF:3315-165).
   1. This text SHALL contain exactly one [1..1] reference (CONF:3315-166).
      1. This reference SHALL contain zero or one [0..1] @value (CONF:3315-167).
         1. This reference/@value SHALL be '#ref' plus id/@root and SHALL point to its corresponding narrative (using the approach defined in CDA Release 2, section 4.3.5.1) (CONF:3315-175).

Figure 29: Reportabilty Response Summary Example

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

<!-- [C-CDA R2.1] Instruction (V2) -->

<templateId root="2.16.840.1.113883.10.20.22.4.20" extension="2014-06-09" />

<!-- [RR R1S1] Reportability Response Summary -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.8" extension="2017-04-01" />

<id root="7a0ed3d3-16f3-4fa9-bac5-882f5c7d44b8" />

<code code="304561000"

codeSystem="2.16.840.1.113883.6.96"

codeSystemName="SNOMED CT"

displayName="Informing health care professional (procedure)" />

<!-- The text/reference/@value is id/@root prefixed with "#ref\_" and points up into the narrative -->

<text>

<reference value="#ref\_7a0ed3d3-16f3-4fa9-bac5-882f5c7d44b8" />

</text>

<statusCode code="completed" />

</act>

Received eICR Information

[act: identifier urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.9:2017-04-01 (open)]

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Table 27: Received eICR Information Contexts

| Contained By: | Contains: |
| --- | --- |
| [Electronic Initial Case Report Section](#S_Electronic_Initial_Case_Report_Section) (required) | [eICR External Document Reference](#E_eICR_External_Document_Reference) |

This template contains information about the received eICR CDA document such as date/time of receipt and an external document reference pointing to the eICR document.

**TODO**\*

Table 28: Received eICR Information Constraints Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| XPath | Card. | Verb | Data Type | CONF# | Value |
| act (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.9:2017-04-01) | | | | | |
| @classCode | 1..1 | SHALL |  | [3315-185](#C_3315-185) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ACT |
| @moodCode | 1..1 | SHALL |  | [3315-186](#C_3315-186) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = INT |
| templateId | 1..1 | SHALL |  | [3315-177](#C_3315-177) |  |
| @root | 1..1 | SHALL |  | [3315-183](#C_3315-183) | 2.16.840.1.113883.10.20.15.2.3.9 |
| @extension | 1..1 | SHALL |  | [3315-184](#C_3315-184) | 2017-04-01 |
| id | 1..1 | SHALL |  | [3315-179](#C_3315-179) |  |
| @root | 1..1 | SHALL |  | [3315-189](#C_3315-189) |  |
| code | 1..1 | SHALL |  | [3315-178](#C_3315-178) |  |
| @code | 0..1 | MAY |  | [3315-187](#C_3315-187) | TEMP\_CODE\_eICR\_INFO |
| @codeSystem | 0..1 | MAY |  | [3315-188](#C_3315-188) | urn:oid:2.16.840.1.113883.6.96 (SNOMED CT) = 2.16.840.1.113883.6.96 |
| reference | 1..1 | SHALL |  | [3315-190](#C_3315-190) |  |
| @typeCode | 1..1 | SHALL |  | [3315-191](#C_3315-191) | urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR |
| externalDocument | 1..1 | SHALL |  | [3315-192](#C_3315-192) | [eICR External Document Reference (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.10:2017-04-01](#E_eICR_External_Document_Reference) |

1. SHALL contain exactly one [1..1] @classCode="ACT" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 STATIC) (CONF:3315-185).
2. SHALL contain exactly one [1..1] @moodCode="INT" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 STATIC) (CONF:3315-186).
3. SHALL contain exactly one [1..1] templateId (CONF:3315-177) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.15.2.3.9" (CONF:3315-183).
   2. SHALL contain exactly one [1..1] @extension="2017-04-01" (CONF:3315-184).
4. SHALL contain exactly one [1..1] id (CONF:3315-179).
   1. This id SHALL contain exactly one [1..1] @root (CONF:3315-189).
5. SHALL contain exactly one [1..1] code (CONF:3315-178).
   1. This code MAY contain zero or one [0..1] @code="TEMP\_CODE\_eICR\_INFO" Received eICR Information (CONF:3315-187).
   2. This code MAY contain zero or one [0..1] @codeSystem="2.16.840.1.113883.6.96" (CodeSystem: SNOMED CT urn:oid:2.16.840.1.113883.6.96) (CONF:3315-188).
6. SHALL contain exactly one [1..1] reference (CONF:3315-190).
   1. This reference SHALL contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:3315-191).
   2. This reference SHALL contain exactly one [1..1] [eICR External Document Reference](#E_eICR_External_Document_Reference) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.10:2017-04-01) (CONF:3315-192).

Figure 30: Received eICR Information Example

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

<!-- [RR R1S1] Received eICR Information -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.9" extension="2017-04-01" />

<id root="6bff7990-f218-4f9d-a5aa-eb7afa6e9a3c" />

<code code="TEMP\_CODE\_eICR\_INFO"

codeSystem="2.16.840.1.113883.6.96"

codeSystemName="SNOMED CT"

displayName="Received eICR Information" />

<statusCode code="completed" />

<!-- Receipt date/time the eICR document that this document is in response to -->

<effectiveTime value="20161212152000-0700" />

<reference typeCode="REFR">

<!-- This is a reference to the eICR document -->

<externalDocument classCode="DOCCLIN" moodCode="EVN">

<!-- [C-CDA R2.0 External Document Reference] -->

<templateId root="2.16.840.1.113883.10.20.22.4.115" extension="2014-06-09" />

<!-- [RR R1S1 eICR External Document Reference] -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.10" extension="2017-04-01" />

...

</externalDocument>

</reference>

</act>

Reportability Response Report Status

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.11:2017-04-01 (open)]

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Table 29: Reportability Response Report Status Contexts

| Contained By: | Contains: |
| --- | --- |
| [Reportability Response Coded Information Section](#S_Reportability_Response_Coded_Informat) (required) |  |

This template represents the report status and states whether or not there were reportable condition(s) in the eICR. If there were reportable conditions, it states whether there was a single condition or multiple conditions and whether these condition(s) were reported to a single or multiple jurisdictions. It also states whether data are missing and whether the eICR was unable to be processed.

Table 30: Reportability Response Report Status Constraints Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| XPath | Card. | Verb | Data Type | CONF# | Value |
| observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.11:2017-04-01) | | | | | |
| @classCode | 1..1 | SHALL |  | [3315-213](#C_3315-213) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS |
| @moodCode | 1..1 | SHALL |  | [3315-214](#C_3315-214) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN |
| templateId | 1..1 | SHALL |  | [3315-205](#C_3315-205) |  |
| @root | 1..1 | SHALL |  | [3315-208](#C_3315-208) | 2.16.840.1.113883.10.20.15.2.3.11 |
| @extension | 1..1 | SHALL |  | [3315-209](#C_3315-209) | 2017-04-01 |
| code | 1..1 | SHALL |  | [3315-206](#C_3315-206) |  |
| @code | 1..1 | SHALL |  | [3315-211](#C_3315-211) | TEMP\_CODE\_REPORT\_STATUS |
| @codeSystem | 1..1 | SHALL |  | [3315-212](#C_3315-212) | urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1 |
| value | 1..1 | SHALL | CD | [3315-210](#C_3315-210) | 2.16.840.1.113883.10.20.15.2.5.2 (Reportability Response Report Status) |

1. SHALL contain exactly one [1..1] @classCode="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 STATIC) (CONF:3315-213).
2. SHALL contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 STATIC) (CONF:3315-214).
3. SHALL contain exactly one [1..1] templateId (CONF:3315-205) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.15.2.3.11" (CONF:3315-208).
   2. SHALL contain exactly one [1..1] @extension="2017-04-01" (CONF:3315-209).
4. SHALL contain exactly one [1..1] code (CONF:3315-206).
   1. This code SHALL contain exactly one [1..1] @code="TEMP\_CODE\_REPORT\_STATUS" Report status (CONF:3315-211).
   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:3315-212).
5. SHALL contain exactly one [1..1] value with @xsi:type="CD", where the code SHALL be selected from ValueSet [Reportability Response Report Status](#Reportability_Response_Report_Status) 2.16.840.1.113883.10.20.15.2.5.2 STATIC 2017-02-01 (CONF:3315-210).  
   Note: Cause of Death: Due to (or as a consequence of)

Figure 31: Reportability Response Report Status Example

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

<!-- [RR R1S1] Reportability Response Report Status -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.11" extension="2017-04-01" />

<id root="f9beb11c-f7fc-49e0-a8fc-7deef9b0b97d" />

<code code="TEMP\_CODE\_REPORT\_STATUS"

codeSystem="2.16.840.1.113883.6.1"

codeSystemName="LOINC"

displayName="Report Status" />

<value xsi:type="CD"

code="TEMP\_CODE\_REPORT\_4"

codeSystem="2.16.840.1.113883.6.96"

codeSystemName="SNOMED CT"

displayName="Reportable – multiple conditions/multiple jurisdictions" />

</observation>

Reportable Condition Information Organizer

[organizer: identifier urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.13:2017-04-01 (open)]

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Table 31: Reportable Condition Information Organizer Contexts

| Contained By: | Contains: |
| --- | --- |
| [Reporting Jurisdiction Organizer](#E_Reporting_Jurisdiction_Organizer) (required) | [Additional External Reference Organizer](#E_Additional_External_Reference_Organiz)  [External Reference Organizer](#E_External_Reference_Organizer)  [Reporting Action](#E_Reporting_Action)  [Reporting Timeframe](#E_Reporting_Timeframe) |

Reportability information and supplemental data requests specific to the condition/jurisdiction pair.

**TODO**\*

Table 32: Reportable Condition Information Organizer Constraints Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| XPath | Card. | Verb | Data Type | CONF# | Value |
| organizer (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.13:2017-04-01) | | | | | |
| @classCode | 1..1 | SHALL |  | [3315-241](#C_3315-241) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = CLUSTER |
| @moodCode | 1..1 | SHALL |  | [3315-242](#C_3315-242) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN |
| templateId | 1..1 | SHALL |  | [3315-237](#C_3315-237) |  |
| @root | 1..1 | SHALL |  | [3315-239](#C_3315-239) | 2.16.840.1.113883.10.20.15.2.3.13 |
| @extension | 1..1 | SHALL |  | [3315-240](#C_3315-240) | 2017-04-01 |
| code | 1..1 | SHALL |  | [3315-244](#C_3315-244) | urn:oid:2.16.840.1.113762.1.4.1146.28 (Trigger code for condition name (RCTC subset)) |
| statusCode | 1..1 | SHALL |  | [3315-245](#C_3315-245) |  |
| @code | 1..1 | SHALL |  | [3315-246](#C_3315-246) | urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed |
| participant | 1..\* | SHALL |  | [3315-338](#C_3315-338) |  |
| @typeCode | 1..1 | SHALL |  | [3315-341](#C_3315-341) | urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = LOC |
| participantRole | 1..1 | SHALL |  | [3315-339](#C_3315-339) |  |
| id | 0..\* | MAY |  | [3315-346](#C_3315-346) |  |
| addr | 0..\* | SHOULD |  | [3315-342](#C_3315-342) |  |
| telecom | 0..\* | SHOULD |  | [3315-343](#C_3315-343) |  |
| playingEntity | 1..1 | SHALL |  | [3315-340](#C_3315-340) |  |
| name | 1..1 | SHALL |  | [3315-344](#C_3315-344) |  |
| desc | 0..1 | MAY |  | [3315-345](#C_3315-345) |  |
| component | 1..1 | SHALL |  | [3315-238](#C_3315-238) |  |
| observation | 1..1 | SHALL |  | [3315-329](#C_3315-329) | [Reporting Timeframe (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.14:2017-04-01](#E_Reporting_Timeframe) |
| component | 1..1 | SHALL |  | [3315-326](#C_3315-326) |  |
| observation | 1..1 | SHALL |  | [3315-330](#C_3315-330) | [Reporting Action (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.15:2017-04-01](#E_Reporting_Action) |
| component | 0..1 | SHOULD |  | [3315-327](#C_3315-327) |  |
| organizer | 1..1 | SHALL |  | [3315-331](#C_3315-331) | [Additional External Reference Organizer (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.18:2017-04-01](#E_Additional_External_Reference_Organiz) |
| component | 1..1 | SHALL |  | [3315-328](#C_3315-328) |  |
| organizer | 1..1 | SHALL |  | [3315-332](#C_3315-332) | [External Reference Organizer (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.16:2017-04-01](#E_External_Reference_Organizer) |

1. SHALL contain exactly one [1..1] @classCode="CLUSTER" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:3315-241).
2. SHALL contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:3315-242).
3. SHALL contain exactly one [1..1] templateId (CONF:3315-237) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.15.2.3.13" (CONF:3315-239).
   2. SHALL contain exactly one [1..1] @extension="2017-04-01" (CONF:3315-240).
4. SHALL contain exactly one [1..1] code, which SHOULD be selected from ValueSet [Trigger code for condition name (RCTC subset)](#Trigger_code_for_condition_name_RCTC_su) urn:oid:2.16.840.1.113762.1.4.1146.28 DYNAMIC (CONF:3315-244).  
   Note: Reportable Condition
5. SHALL contain exactly one [1..1] statusCode (CONF:3315-245).
   1. This statusCode SHALL contain exactly one [1..1] @code="completed" (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:3315-246).

The following participant contains information about the Routing Agency. There can be multiple agencies.

1. SHALL contain at least one [1..\*] participant (CONF:3315-338).
   1. Such participants SHALL contain exactly one [1..1] @typeCode="LOC" Location (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:3315-341).
   2. Such participants SHALL contain exactly one [1..1] participantRole (CONF:3315-339).
      1. This participantRole MAY contain zero or more [0..\*] id (CONF:3315-346).
      2. This participantRole SHOULD contain zero or more [0..\*] addr (CONF:3315-342).
      3. This participantRole SHOULD contain zero or more [0..\*] telecom (CONF:3315-343).
      4. This participantRole SHALL contain exactly one [1..1] playingEntity (CONF:3315-340).
         1. This playingEntity SHALL contain exactly one [1..1] name (CONF:3315-344).
         2. This playingEntity MAY contain zero or one [0..1] desc (CONF:3315-345).
2. SHALL contain exactly one [1..1] component (CONF:3315-238) such that it
   1. SHALL contain exactly one [1..1] [Reporting Timeframe](#E_Reporting_Timeframe) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.14:2017-04-01) (CONF:3315-329).
3. SHALL contain exactly one [1..1] component (CONF:3315-326) such that it
   1. SHALL contain exactly one [1..1] [Reporting Action](#E_Reporting_Action) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.15:2017-04-01) (CONF:3315-330).
4. SHOULD contain zero or one [0..1] component (CONF:3315-327) such that it
   1. SHALL contain exactly one [1..1] [Additional External Reference Organizer](#E_Additional_External_Reference_Organiz) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.18:2017-04-01) (CONF:3315-331).
5. SHALL contain exactly one [1..1] component (CONF:3315-328) such that it
   1. SHALL contain exactly one [1..1] [External Reference Organizer](#E_External_Reference_Organizer) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.16:2017-04-01) (CONF:3315-332).

Figure 32: Reportable Condition Information Organizer Example

<organizer classCode="CLUSTER" moodCode="EVN">

<!-- [RR R1S1] Reportable Condition Information Organizer -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.13" extension="2017-04-01" />

<id root="69aa7cbf-7d17-42da-8621-1dee02121ac8" />

<!-- Condition code (SNOMED CT) -->

<code code="27836007"

codeSystem="2.16.840.1.113883.6.96"

codeSystemName="SNOMED CT"

displayName="Pertussis (disorder)"

sdtc:valueSet="2.16.840.1.113762.1.4.1146.28"

sdtc:valueSetVersion="19/05/2016" />

<statusCode code="completed" />

<component typeCode="COMP">

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

<!-- [RR R1S1] Reporting Timeframe-->

<templateId root="2.16.840.1.113883.10.20.15.2.3.14" extension="2017-04-01" />

...

</observation>

</component>

<component typeCode="COMP">

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

<!-- [RR R1S1] Reporting Action-->

<templateId root="2.16.840.1.113883.10.20.15.2.3.15" extension="2017-04-01" />

...

</observation>

</component>

<component>

<organizer classCode="CLUSTER" moodCode="EVN">

<!-- [RR R1S1] External Reference Organizer -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.16" extension="2017-04-01" />

...

</organizer>

</component>

<component>

<organizer classCode="CLUSTER" moodCode="EVN">

<!-- [RR R1S1] Additional External Reference Organizer -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.18" extension="2017-04-01" />

...

</organizer>

</component>

</organizer>

Reporting Action

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.15:2017-04-01 (open)]

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Table 33: Reporting Action Contexts

| Contained By: | Contains: |
| --- | --- |
| [Reportable Condition Information Organizer](#E_Reportable_Condition_Information_Orga) (required) |  |

This template represents the requirement to perform the action.

**TODO**\*

Table 34: Reporting Action Constraints Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| XPath | Card. | Verb | Data Type | CONF# | Value |
| observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.15:2017-04-01) | | | | | |
| @classCode | 1..1 | SHALL |  | [3315-267](#C_3315-267) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS |
| @moodCode | 1..1 | SHALL |  | [3315-268](#C_3315-268) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN |
| templateId | 1..1 | SHALL |  | [3315-260](#C_3315-260) |  |
| @root | 1..1 | SHALL |  | [3315-262](#C_3315-262) | 2.16.840.1.113883.10.20.15.2.3.15 |
| @extension | 1..1 | SHALL |  | [3315-263](#C_3315-263) | 2017-04-01 |
| code | 1..1 | SHALL |  | [3315-261](#C_3315-261) |  |
| @code | 1..1 | SHALL |  | [3315-264](#C_3315-264) | TEMP\_CODE\_ACTION |
| @codeSystem | 1..1 | SHALL |  | [3315-265](#C_3315-265) | urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1 |
| value | 1..1 | SHALL | CD | [3315-266](#C_3315-266) |  |

1. SHALL contain exactly one [1..1] @classCode="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 STATIC) (CONF:3315-267).
2. SHALL contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 STATIC) (CONF:3315-268).
3. SHALL contain exactly one [1..1] templateId (CONF:3315-260) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.15.2.3.15" (CONF:3315-262).
   2. SHALL contain exactly one [1..1] @extension="2017-04-01" (CONF:3315-263).
4. SHALL contain exactly one [1..1] code (CONF:3315-261).
   1. This code SHALL contain exactly one [1..1] @code="TEMP\_CODE\_ACTION" Reporting action (CONF:3315-264).
   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:3315-265).
5. SHALL contain exactly one [1..1] value with @xsi:type="CD" (CONF:3315-266).

Figure 33: Reporting Action Example

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

<!-- [RR R1S1] Reporting Action-->

<templateId root="2.16.840.1.113883.10.20.15.2.3.15" extension="2017-04-01" />

<id root="264971e6-aa20-409f-a759-5ae40231b113" />

<code code="TEMP\_CODE\_ACTION"

codeSystem="2.16.840.1.113883.6.1"

codeSystemName="LOINC"

displayName="Reporting action" />

<value xsi:type="CD"

code="TEMP\_CODE\_REQUIRED"

codeSystem="2.16.840.1.113883.6.96"

codeSystemName="SNOMED CT"

displayName="Required" />

</observation>

Reporting Jurisdiction Organizer

[organizer: identifier urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.12:2017-04-01 (open)]

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Table 35: Reporting Jurisdiction Organizer Contexts

| Contained By: | Contains: |
| --- | --- |
| [Reportability Response Coded Information Section](#S_Reportability_Response_Coded_Informat) (required) | [Additional External Reference Organizer](#E_Additional_External_Reference_Organiz)  [Reportable Condition Information Organizer](#E_Reportable_Condition_Information_Orga) |

This template represents a reporting jursdiction and contains the relevant reportable conditions. Each jurisdiciton is represented by a separate organizer which can contain multiple conditions.

**TODO**\*

Table 36: Reporting Jurisdiction Organizer Constraints Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| XPath | Card. | Verb | Data Type | CONF# | Value |
| organizer (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.12:2017-04-01) | | | | | |
| @classCode | 1..1 | SHALL |  | [3315-233](#C_3315-233) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = CLUSTER |
| @moodCode | 1..1 | SHALL |  | [3315-234](#C_3315-234) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN |
| templateId | 1..1 | SHALL |  | [3315-217](#C_3315-217) |  |
| @root | 1..1 | SHALL |  | [3315-225](#C_3315-225) | 2.16.840.1.113883.10.20.15.2.3.12 |
| @extension | 1..1 | SHALL |  | [3315-226](#C_3315-226) | 2017-04-01 |
| statusCode | 1..1 | SHALL |  | [3315-247](#C_3315-247) |  |
| @code | 1..1 | SHALL |  | [3315-248](#C_3315-248) | urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed |
| component | 1..\* | SHALL |  | [3315-216](#C_3315-216) |  |
| organizer | 1..1 | SHALL |  | [3315-243](#C_3315-243) | [Reportable Condition Information Organizer (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.13:2017-04-01](#E_Reportable_Condition_Information_Orga) |
| component | 0..1 | MAY |  | [3315-333](#C_3315-333) |  |
| organizer | 1..1 | SHALL |  | [3315-334](#C_3315-334) | [Additional External Reference Organizer (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.18:2017-04-01](#E_Additional_External_Reference_Organiz) |

1. SHALL contain exactly one [1..1] @classCode="CLUSTER" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:3315-233).
2. SHALL contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:3315-234).
3. SHALL contain exactly one [1..1] templateId (CONF:3315-217) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.15.2.3.12" (CONF:3315-225).
   2. SHALL contain exactly one [1..1] @extension="2017-04-01" (CONF:3315-226).
4. SHALL contain exactly one [1..1] statusCode (CONF:3315-247).
   1. This statusCode SHALL contain exactly one [1..1] @code="completed" (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:3315-248).
5. SHALL contain at least one [1..\*] component (CONF:3315-216) such that it
   1. SHALL contain exactly one [1..1] [Reportable Condition Information Organizer](#E_Reportable_Condition_Information_Orga) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.13:2017-04-01) (CONF:3315-243).
6. MAY contain zero or one [0..1] component (CONF:3315-333) such that it
   1. SHALL contain exactly one [1..1] [Additional External Reference Organizer](#E_Additional_External_Reference_Organiz) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.18:2017-04-01) (CONF:3315-334).

Figure 34: Reporting Jurisdiction Organizer

<organizer classCode="CLUSTER" moodCode="EVN">

<!-- [RR R1S1] Reporting Jurisdiction Organizer -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.12" extension="2017-04-01" />

<id root="fcf92143-4289-450e-9550-8d574facf626" />

<!-- Jurisdiction code (state) -->

<code code="CO"

codeSystem="2.16.840.1.113883.6.92"

codeSystemName="FIPS 5-2 (State)"

displayName="Colorado">

<originalText>Colorado Department of Public Health and Environment</originalText>

</code>

<statusCode code="completed" />

<!-- Condition 1 - Pertussis -->

<component typeCode="COMP">

<organizer classCode="CLUSTER" moodCode="EVN">

<!-- [RR R1S1] Reportable Condition Information Organizer -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.13" extension="2017-04-01" />

...

</organizer>

</component>

<!-- Condition 2 - Salmonellosis -->

<component typeCode="COMP">

<organizer classCode="CLUSTER" moodCode="EVN">

<!-- [RR R1S1] Reportable Condition Information Organizer -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.13" extension="2017-04-01" />

...

</organizer>

</component>

<component>

<organizer classCode="CLUSTER" moodCode="EVN">

<!-- [RR R1S1] Additional External Reference Organizer -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.18" extension="2017-04-01" />

...

</organizer>

</component>

</organizer>

Reporting Timeframe

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.14:2017-04-01 (open)]

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Table 37: Reporting Timeframe Contexts

| Contained By: | Contains: |
| --- | --- |
| [Reportable Condition Information Organizer](#E_Reportable_Condition_Information_Orga) (required) |  |

This template represents the timeframe in which the receiver should take the actions specified.

**TODO**\*

Table 38: Reporting Timeframe Constraints Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| XPath | Card. | Verb | Data Type | CONF# | Value |
| observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.14:2017-04-01) | | | | | |
| @classCode | 1..1 | SHALL |  | [3315-256](#C_3315-256) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS |
| @moodCode | 1..1 | SHALL |  | [3315-257](#C_3315-257) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN |
| templateId | 1..1 | SHALL |  | [3315-249](#C_3315-249) |  |
| @root | 1..1 | SHALL |  | [3315-251](#C_3315-251) | 2.16.840.1.113883.10.20.15.2.3.14 |
| @extension | 1..1 | SHALL |  | [3315-252](#C_3315-252) | 2017-04-01 |
| code | 1..1 | SHALL |  | [3315-250](#C_3315-250) |  |
| @code | 1..1 | SHALL |  | [3315-253](#C_3315-253) | TEMP\_CODE\_TIMEFRAME |
| @codeSystem | 1..1 | SHALL |  | [3315-254](#C_3315-254) | urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1 |
| value | 1..1 | SHALL |  | [3315-255](#C_3315-255) |  |

1. SHALL contain exactly one [1..1] @classCode="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 STATIC) (CONF:3315-256).
2. SHALL contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 STATIC) (CONF:3315-257).
3. SHALL contain exactly one [1..1] templateId (CONF:3315-249) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.15.2.3.14" (CONF:3315-251).
   2. SHALL contain exactly one [1..1] @extension="2017-04-01" (CONF:3315-252).
4. SHALL contain exactly one [1..1] code (CONF:3315-250).
   1. This code SHALL contain exactly one [1..1] @code="TEMP\_CODE\_TIMEFRAME" Timeframe to report (urgency) (CONF:3315-253).
   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:3315-254).
5. SHALL contain exactly one [1..1] value (CONF:3315-255).

Figure 35: Reporting Timeframe Example

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

<!-- [RR R1S1] Reporting Timeframe-->

<templateId root="2.16.840.1.113883.10.20.15.2.3.14" extension="2017-04-01" />

<id root="8334d0bd-a404-4e12-9e9c-e278669e59ba" />

<code code="TEMP\_CODE\_TIMEFRAME"

codeSystem="2.16.840.1.113883.6.1"

codeSystemName="LOINC"

displayName="Timeframe to report (urgency)" />

<value xsi:type="CD" code="TEMP\_CODE\_24\_HOURS"

codeSystem="2.16.840.1.113883.6.96"

codeSystemName="SNOMED CT"

displayName="Within 24 hours" />

</observation>

# unspecified

US Realm Address (AD.US.FIELDED)

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

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Table 39: US Realm Address (AD.US.FIELDED) Contexts

| Contained By: | Contains: |
| --- | --- |
| [US Realm Header (V3)](#D_US_Realm_Header_V3) (required)  [Reportability Response Document (RR)](#D_Reportability_Response_Document_RR) (required) |  |

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

Table 40: 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..1 | SHALL |  | [81-7291](#C_81-7291) |  |

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. State is required if the country is US. 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. PostalCode is required if the country is US. 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 exactly one [1..1] streetAddressLine (CONF:81-7291).
7. **SHALL NOT** have mixed content except for white space (CONF:81-7296).

Figure 36: 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 41: US Realm Date and Time (DTM.US.FIELDED) Contexts

| Contained By: | Contains: |
| --- | --- |
| [US Realm Header (V3)](#D_US_Realm_Header_V3) (required)  [Reportability Response Document (RR)](#D_Reportability_Response_Document_RR) (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 42: 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 37: 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 Person Name (PN.US.FIELDED)

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

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

Table 43: US Realm Person Name (PN.US.FIELDED) Contexts

| Contained By: | Contains: |
| --- | --- |
| [US Realm Header (V3)](#D_US_Realm_Header_V3) (required)  [Reportability Response Document (RR)](#D_Reportability_Response_Document_RR) (required) |  |

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

Table 44: 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 45: Template List

| Template Title | Template Type | templateId |
| --- | --- | --- |
| [Reportability Response Document (RR)](#D_Reportability_Response_Document_RR) | document | urn:hl7ii:2.16.840.1.113883.10.20.15.2.1.2:2017-04-01 |
| [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 |
| [Electronic Initial Case Report Section](#S_Electronic_Initial_Case_Report_Section) | section | urn:hl7ii:2.16.840.1.113883.10.20.15.2.2.3:2017-04-01 |
| [Reportability Response Coded Information Section](#S_Reportability_Response_Coded_Informat) | section | urn:hl7ii:2.16.840.1.113883.10.20.15.2.2.4:2017-04-01 |
| [Reportability Response Short Description Section](#S_Reportability_Response_Short_Descript) | section | urn:hl7ii:2.16.840.1.113883.10.20.15.2.2.1:2017-04-01 |
| [Reportability Response Summary Section](#S_Reportability_Response_Summary_Section) | section | urn:hl7ii:2.16.840.1.113883.10.20.15.2.2.2:2017-04-01 |
| [Additional External Reference Organizer](#E_Additional_External_Reference_Organiz) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.18:2017-04-01 |
| [eICR External Document Reference](#E_eICR_External_Document_Reference) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.10:2017-04-01 |
| [External Document Reference](#E_External_Document_Reference) | entry | urn:hl7ii:2.16.840.1.113883.10.20.22.4.115:2014-06-09 |
| [External Reference](#E_External_Reference) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.17:2017-04-01 |
| [External Reference Organizer](#E_External_Reference_Organizer) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.16:2017-04-01 |
| [Instruction (V2)](#Instruction_V2) | entry | urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09 |
| [Received eICR Information](#E_Received_eICR_Information) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.9:2017-04-01 |
| [Reportability Response Report Status](#E_Reportability_Response_Report_Status) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.11:2017-04-01 |
| [Reportability Response Short Description](#E_Reportability_Response_Short_Descript) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.7:2017-04-01 |
| [Reportability Response Summary](#E_Reportability_Response_Summary) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.8:2017-04-01 |
| [Reportable Condition Information Organizer](#E_Reportable_Condition_Information_Orga) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.13:2017-04-01 |
| [Reporting Action](#E_Reporting_Action) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.15:2017-04-01 |
| [Reporting Jurisdiction Organizer](#E_Reporting_Jurisdiction_Organizer) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.12:2017-04-01 |
| [Reporting Timeframe](#E_Reporting_Timeframe) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.14:2017-04-01 |
| [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 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 46: Template Containments

| Template Title | Template Type | templateId |
| --- | --- | --- |
| [Reportability Response Document (RR)](#D_Reportability_Response_Document_RR) | document | urn:hl7ii:2.16.840.1.113883.10.20.15.2.1.2:2017-04-01 |
| [Reportability Response Short Description Section](#S_Reportability_Response_Short_Descript) | section | urn:hl7ii:2.16.840.1.113883.10.20.15.2.2.1:2017-04-01 |
| [Reportability Response Short Description](#E_Reportability_Response_Short_Descript) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.7:2017-04-01 |
| [Reportability Response Summary Section](#S_Reportability_Response_Summary_Section) | section | urn:hl7ii:2.16.840.1.113883.10.20.15.2.2.2:2017-04-01 |
| [Electronic Initial Case Report Section](#S_Electronic_Initial_Case_Report_Section) | section | urn:hl7ii:2.16.840.1.113883.10.20.15.2.2.3:2017-04-01 |
| [Received eICR Information](#E_Received_eICR_Information) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.9:2017-04-01 |
| [eICR External Document Reference](#E_eICR_External_Document_Reference) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.10:2017-04-01 |
| [Reportability Response Coded Information Section](#S_Reportability_Response_Coded_Informat) | section | urn:hl7ii:2.16.840.1.113883.10.20.15.2.2.4:2017-04-01 |
| [Additional External Reference Organizer](#E_Additional_External_Reference_Organiz) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.18:2017-04-01 |
| [External Reference](#E_External_Reference) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.17:2017-04-01 |
| [External Reference Organizer](#E_External_Reference_Organizer) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.16:2017-04-01 |
| [External Reference](#E_External_Reference) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.17:2017-04-01 |
| [Reportability Response Report Status](#E_Reportability_Response_Report_Status) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.11:2017-04-01 |
| [Reporting Jurisdiction Organizer](#E_Reporting_Jurisdiction_Organizer) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.12:2017-04-01 |
| [Additional External Reference Organizer](#E_Additional_External_Reference_Organiz) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.18:2017-04-01 |
| [External Reference](#E_External_Reference) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.17:2017-04-01 |
| [Reportable Condition Information Organizer](#E_Reportable_Condition_Information_Orga) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.13:2017-04-01 |
| [Additional External Reference Organizer](#E_Additional_External_Reference_Organiz) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.18:2017-04-01 |
| [External Reference](#E_External_Reference) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.17:2017-04-01 |
| [External Reference Organizer](#E_External_Reference_Organizer) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.16:2017-04-01 |
| [External Reference](#E_External_Reference) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.17:2017-04-01 |
| [Reporting Action](#E_Reporting_Action) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.15:2017-04-01 |
| [Reporting Timeframe](#E_Reporting_Timeframe) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.14:2017-04-01 |
| [Reportability Response Summary](#E_Reportability_Response_Summary) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.8:2017-04-01 |
| [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 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 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 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 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 |

# Value Sets In This Guide

Table 47: Race

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: Race urn:oid:2.16.840.1.113883.1.11.14914  Concepts in the race value set include the 5 minimum categories for race specified by OMB along with a more detailed set of race categories used by the Bureau of Census.  Value Set Source: <https://vsac.nlm.nih.gov/> | | | |
| 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 |
| 1006-6 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | Abenaki |
| 1579-2 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | Absentee Shawnee |
| 1490-2 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | Acoma |
| 2126-1 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | Afghanistani |
| 1740-0 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | Ahtna |
| ... | | | |

Table 48: HL7 BasicConfidentialityKind

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: HL7 BasicConfidentialityKind urn:oid:2.16.840.1.113883.1.11.16926  A value set of HL7 Code indication the level of confidentiality an act.  Value Set Source: <https://vsac.nlm.nih.gov/> | | | |
| 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 49: Language

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: Language urn:oid:2.16.840.1.113883.1.11.11526  A value set of codes defined by Internet RFC 4646 (replacing RFC 3066). Please see ISO 639 language code set maintained by Library of Congress for enumeration of language codes.  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 50: Telecom Use (US Realm Header)

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: Telecom Use (US Realm Header) urn:oid:2.16.840.1.113883.11.20.9.20  Value Set Source: <https://vsac.nlm.nih.gov/> | | | |
| Code | Code System | Code System OID | Print Name |
| 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 |
| WP | HL7AddressUse | urn:oid:2.16.840.1.113883.5.1119 | Work place |
| MC | HL7AddressUse | urn:oid:2.16.840.1.113883.5.1119 | Mobile contact |

Table 51: Administrative Gender (HL7 V3)

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: Administrative Gender (HL7 V3) urn:oid:2.16.840.1.113883.1.11.1  Administrative Gender based upon HL7 V3 vocabulary. This value set contains only male, female and undifferentiated concepts.  Value Set Source: <https://vsac.nlm.nih.gov/> | | | |
| Code | Code System | Code System OID | Print Name |
| F | HL7AdministrativeGender | urn:oid:2.16.840.1.113883.5.1 | Female |
| M | HL7AdministrativeGender | urn:oid:2.16.840.1.113883.5.1 | Male |
| UN | HL7AdministrativeGender | urn:oid:2.16.840.1.113883.5.1 | Undifferentiated |

Table 52: Marital Status

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: Marital Status urn:oid:2.16.840.1.113883.1.11.12212  Marital Status is the domestic partnership status of a person.  Value Set Source: <https://vsac.nlm.nih.gov/> | | | |
| Code | Code System | Code System OID | Print Name |
| A | HL7MaritalStatus | urn:oid:2.16.840.1.113883.5.2 | Annulled |
| D | HL7MaritalStatus | urn:oid:2.16.840.1.113883.5.2 | Divorced |
| T | HL7MaritalStatus | urn:oid:2.16.840.1.113883.5.2 | Domestic partner |
| 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 |
| S | HL7MaritalStatus | urn:oid:2.16.840.1.113883.5.2 | Never Married |
| P | HL7MaritalStatus | urn:oid:2.16.840.1.113883.5.2 | Polygamous |
| W | HL7MaritalStatus | urn:oid:2.16.840.1.113883.5.2 | Widowed |

Table 53: Religious Affiliation

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: Religious Affiliation urn:oid:2.16.840.1.113883.1.11.19185  A value set of codes that reflect spiritual faith affiliation.  Value Set Source: <https://vsac.nlm.nih.gov/> | | | |
| 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 54: Race Category Excluding Nulls

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: Race Category Excluding Nulls urn:oid:2.16.840.1.113883.3.2074.1.1.3  Value Set Source: <https://vsac.nlm.nih.gov/> | | | |
| 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 55: Ethnicity

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: Ethnicity urn:oid:2.16.840.1.114222.4.11.837  Code System: Race & Ethnicity - CDC 2.16.840.1.113883.6.238  Value Set Source: <https://vsac.nlm.nih.gov/> | | | |
| 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 56: 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  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.  Value Set Source: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.113883.11.20.12.1> | | | |
| Code | Code System | Code System OID | Print Name |
| SELF | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | self |
| MTH | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | mother |
| FTH | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | father |
| DAU | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | natural daughter |
| SON | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | natural son |
| DAUINLAW | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | daughter in-law |
| SONINLAW | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | son in-law |
| GUARD | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | guardian |
| HPOWATT | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | healthcare power of attorney |
| ... | | | |

Table 57: 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.  Value Set Source: <http://www.iso.org/iso/country_codes/iso_3166_code_lists.htm> | | | |
| Code | Code System | Code System OID | Print Name |
| AW | Country | urn:oid:2.16.840.1.113883.3.88.12.80.63 | Aruba |
| IL | Country | urn:oid:2.16.840.1.113883.3.88.12.80.63 | Israel |
| ... | | | |

Table 58: 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 |
| ... | | | |

Table 59: LanguageAbilityMode

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: LanguageAbilityMode urn:oid:2.16.840.1.113883.1.11.12249  This identifies the language ability of the individual. A value representing the method of expression of the language.  Value Set Source: <https://vsac.nlm.nih.gov/> | | | |
| 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 60: LanguageAbilityProficiency

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: LanguageAbilityProficiency urn:oid:2.16.840.1.113883.1.11.12199  Value Set Source: <https://vsac.nlm.nih.gov/> | | | |
| 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 61: Detailed Ethnicity

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: Detailed Ethnicity urn:oid:2.16.840.1.114222.4.11.877  List of detailed ethnicity codes reported on a limited basis  Value Set Source: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.877> | | | |
| Code | Code System | Code System OID | Print Name |
| 2138-6 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | Andalusian |
| 2166-7 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | Argentinean |
| 2139-4 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | Asturian |
| 2142-8 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | Belearic Islander |
| 2167-5 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | Bolivian |
| 2163-4 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | Canal Zone |
| 2145-1 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | Canarian |
| 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 |
| 2155-0 | Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 | Central American |
| ... | | | |

Table 62: Healthcare Provider Taxonomy (HIPAA)

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: Healthcare Provider Taxonomy (HIPAA) urn:oid:2.16.840.1.114222.4.11.1066  The Health Care Provider Taxonomy value set is a collection of unique alphanumeric codes, ten characters in length. The code set is structured into three distinct Levels including Provider Type, Classification, and Area of Specialization. The Health Care Provider Taxonomy code set allows a single provider (individual, group, or institution) to identify their specialty category. Providers may have one or more than one value associated to them. When determining what value or values to associate with a provider, the user needs to review the requirements of the trading partner with which the value(s) are being used.  Value Set Source: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.1066> | | | |
| Code | Code System | Code System OID | Print Name |
| 171100000X | Healthcare Provider Taxonomy (HIPAA) | urn:oid:2.16.840.1.113883.6.101 | Acupuncturist |
| 363LA2100X | Healthcare Provider Taxonomy (HIPAA) | urn:oid:2.16.840.1.113883.6.101 | Nurse Practitioner - Acute Care |
| 364SA2100X | Healthcare Provider Taxonomy (HIPAA) | urn:oid:2.16.840.1.113883.6.101 | Clinical Nurse Specialist - Acute Care |
| 101YA0400X | Healthcare Provider Taxonomy (HIPAA) | urn:oid:2.16.840.1.113883.6.101 | Counselor - Addiction (Substance Use Disorder) |
| 103TA0400X | Healthcare Provider Taxonomy (HIPAA) | urn:oid:2.16.840.1.113883.6.101 | Psychologist - Addiction (Substance Use Disorder) |
| 163WA0400X | Healthcare Provider Taxonomy (HIPAA) | urn:oid:2.16.840.1.113883.6.101 | Registered Nurse - Addiction (Substance Use Disorder) |
| 207LA0401X | Healthcare Provider Taxonomy (HIPAA) | urn:oid:2.16.840.1.113883.6.101 | Anesthesiology - Addiction Medicine |
| 207QA0401X | Healthcare Provider Taxonomy (HIPAA) | urn:oid:2.16.840.1.113883.6.101 | Family Medicine - Addiction Medicine |
| 207RA0401X | Healthcare Provider Taxonomy (HIPAA) | urn:oid:2.16.840.1.113883.6.101 | Internal Medicine - Addiction Medicine |
| 2084A0401X | Healthcare Provider Taxonomy (HIPAA) | urn:oid:2.16.840.1.113883.6.101 | Psychiatry & Neurology - Addiction Medicine |
| ... | | | |

Table 63: INDRoleclassCodes

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: INDRoleclassCodes urn:oid:2.16.840.1.113883.11.20.9.33  Value Set Source: <https://vsac.nlm.nih.gov/> | | | |
| 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 64: x\_ServiceEventPerformer

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: x\_ServiceEventPerformer urn:oid:2.16.840.1.113883.1.11.19601  Value Set Source: <http://www.hl7.org/documentcenter/public/standards/vocabulary/vocabulary_tables/infrastructure/vocabulary/vocabulary.html> | | | |
| Code | Code System | Code System OID | Print Name |
| 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 |
| PPRF | HL7ParticipationType | urn:oid:2.16.840.1.113883.5.90 | primary performer |

Table 65: ParticipationFunction

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: ParticipationFunction urn:oid:2.16.840.1.113883.1.11.10267  This HL7-defined value set can be used to specify the exact function an actor had in a service in all necessary detail.  Value Set Source: <https://vsac.nlm.nih.gov/> | | | |
| Code | Code System | Code System OID | Print Name |
| SNRS | HL7ParticipationFunction | urn:oid:2.16.840.1.113883.5.88 | Scrub nurse |
| SASST | HL7ParticipationFunction | urn:oid:2.16.840.1.113883.5.88 | Second assistant surgeon |
| \_AuthorizedParticipationFunction | HL7ParticipationFunction | urn:oid:2.16.840.1.113883.5.88 | AuthorizedParticipationFunction |
| \_AuthorizedReceiverParticipationFunction | HL7ParticipationFunction | urn:oid:2.16.840.1.113883.5.88 | AuthorizedReceiverParticipationFunction |
| AUCG | HL7ParticipationFunction | urn:oid:2.16.840.1.113883.5.88 | caregiver information receiver |
| AULR | HL7ParticipationFunction | urn:oid:2.16.840.1.113883.5.88 | legitimate relationship information receiver |
| AUTM | HL7ParticipationFunction | urn:oid:2.16.840.1.113883.5.88 | care team information receiver |
| AUWA | HL7ParticipationFunction | urn:oid:2.16.840.1.113883.5.88 | work area information receiver |
| \_ConsenterParticipationFunction | HL7ParticipationFunction | urn:oid:2.16.840.1.113883.5.88 | ConsenterParticipationFunction |
| GRDCON | HL7ParticipationFunction | urn:oid:2.16.840.1.113883.5.88 | legal guardian consent author |
| ... | | | |

Table 66: ServiceDeliveryLocationRoleType

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: ServiceDeliveryLocationRoleType urn:oid:2.16.840.1.113883.1.11.17660  Any subtype of ServiceDeliveryLocationRoleType | | | |
| Code | Code System | Code System OID | Print Name |
| DX | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | Diagnostics or therapeutics unit |
| CVDX | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | Cardiovascular diagnostics or therapeutics unit |
| CATH | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | Cardiac catheterization lab |
| ECHO | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | Echocardiography lab |
| GIDX | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | Gastroenterology diagnostics or therapeutics lab |
| ENDOS | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | Endoscopy lab |
| RADDX | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | adiology diagnostics or therapeutics unit |
| RADO | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | Radiation oncology unit |
| RNEU | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | Neuroradiology unit |
| HOSP | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | Hospital |
| ... | | | |

Table 67: ActEncounterCode

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: ActEncounterCode urn:oid:2.16.840.1.113883.1.11.13955  Domain provides codes that qualify the ActEncounterClass  Value Set Source: <http://www.hl7.org> | | | |
| Code | Code System | Code System OID | Print Name |
| AMB | HL7ActCode | urn:oid:2.16.840.1.113883.5.4 | ambulatory |
| FLD | HL7ActCode | urn:oid:2.16.840.1.113883.5.4 | field |
| HH | HL7ActCode | urn:oid:2.16.840.1.113883.5.4 | home health |
| EMER | HL7ActCode | urn:oid:2.16.840.1.113883.5.4 | emergency |
| IMP | HL7ActCode | urn:oid:2.16.840.1.113883.5.4 | inpatient encounter |
| ACUTE | HL7ActCode | urn:oid:2.16.840.1.113883.5.4 | inpatient acute |
| NONAC | HL7ActCode | urn:oid:2.16.840.1.113883.5.4 | inpatient non-acute |
| PRENC | HL7ActCode | urn:oid:2.16.840.1.113883.5.4 | pre-admission |
| SS | HL7ActCode | urn:oid:2.16.840.1.113883.5.4 | short stay |
| VR | HL7ActCode | urn:oid:2.16.840.1.113883.5.4 | Virtual |

Table 68: Patient Education

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: Patient Education urn:oid:2.16.840.1.113883.11.20.9.34  Limited to terms descending from the Education (409073007) hierarchy.  Value Set Source: <https://vsac.nlm.nih.gov/> | | | |
| Code | Code System | Code System OID | Print Name |
| 311401005 | SNOMED CT | urn:oid:2.16.840.1.113883.6.96 | Patient Education |
| 171044003 | SNOMED CT | urn:oid:2.16.840.1.113883.6.96 | Immunization Education |
| 243072006 | SNOMED CT | urn:oid:2.16.840.1.113883.6.96 | Cancer Education |
| ... | | | |

Table 69: Reportability Response Report Status

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: Reportability Response Report Status 2.16.840.1.113883.10.20.15.2.5.2  \*\*TODO\*\* | | | |
| Code | Code System | Code System OID | Print Name |
| TEMP\_CODE\_REPORT\_1 | cdcNHSN | urn:oid:2.16.840.1.113883.6.277 | Reportable – single condition/single jurisdiction |
| TEMP\_CODE\_REPORT\_2 | cdcNHSN | urn:oid:2.16.840.1.113883.6.277 | Reportable – single condition/multiple jurisdiction |
| TEMP\_CODE\_REPORT\_3 | cdcNHSN | urn:oid:2.16.840.1.113883.6.277 | Reportable – multiple conditions/single jurisdiction |
| TEMP\_CODE\_REPORT\_4 | cdcNHSN | urn:oid:2.16.840.1.113883.6.277 | Reportable – multiple conditions/multiple jurisdictions |
| TEMP\_CODE\_NOT\_REPORT\_MISSING\_5 | cdcNHSN | urn:oid:2.16.840.1.113883.6.277 | Nothing reportable – nothing in eICR was determined to be reportable – because of missing data (not to provider if data available from EHR, to provider if data missing from EHR) |
| TEMP\_CODE\_UNK\_REPORT\_ADD\_6 | cdcNHSN | urn:oid:2.16.840.1.113883.6.277 | Unknown reportability until more data - Nothing reportable – nothing in eICR was determined to be reportable – additional data needed (needs to go to provider) |
| TEMP\_CODE\_NOT\_REPORT\_7 | cdcNHSN | urn:oid:2.16.840.1.113883.6.277 | Not reportable – all data are available - nothing in eICR was determined to be reportable (for audit purposes) |
| TEMP\_CODE\_NOT\_PROCESSED\_8 | cdcNHSN | urn:oid:2.16.840.1.113883.6.277 | Not processed – eICR was not able to be processed (System admin, not for the provider) |
| ... | | | |

Table 70: Trigger code for condition name (RCTC subset)

|  |  |  |  |
| --- | --- | --- | --- |
| Value Set: Trigger code for condition name (RCTC subset) urn:oid:2.16.840.1.113762.1.4.1146.28  This value set is a subset of the Reportable Condition Trigger Code (RCTC) value set and contains trigger codes for condition names. Use the superset RCTC OID (2.16.840.1.114222.4.11.7508) and RCTC Definition Version (e.g. 19/05/2016) when populating @sdtc:valueSet and @sdtc:valueSetVersion.  Value Set Source: <https://phinvads.cdc.gov/vads/DownloadHotTopicDetailFile.action?filename=42399A0D-011E-E611-BD10-0017A477041A> | | | |
| Code | Code System | Code System OID | Print Name |
| Code from RCTC | Multiple Code Systems | http://codesystem.com | See link above for latest value set |
| ... | | | |

Table 71: 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/> | | | |
| 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 72: 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: <http://www.census.gov/geo/reference/ansi_statetables.html> | | | |
| 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 |
| ... | | | |

# Code Systems in This Guide

Table 73: Code Systems

| Name | OID |
| --- | --- |
| cdcNHSN | urn:oid:2.16.840.1.113883.6.277 |
| Country | urn:oid:2.16.840.1.113883.3.88.12.80.63 |
| 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 |
| 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 |
| HL7AdministrativeGender | urn:oid:2.16.840.1.113883.5.1 |
| HL7Confidentiality | urn:oid:2.16.840.1.113883.5.25 |
| 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 |
| 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 |
| HL7Race | urn:oid:2.16.840.1.113883.5.104 |
| 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 |
| Language | urn:oid:2.16.840.1.113883.6.121 |
| LOINC | urn:oid:2.16.840.1.113883.6.1 |
| Multiple Code Systems | http://codesystem.com |
| Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 |
| SNOMED CT | urn:oid:2.16.840.1.113883.6.96 |
| USPostalCodes | urn:oid:2.16.840.1.113883.6.231 |