Reportability Response (US Realm) Release 1 STU Release 1.0

November 23

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# Document-Level Templates

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

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

Table 2: US Realm Header (V3) Constraints Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **XPath** | **Card.** | **Verb** | **Data Type** | **CONF#** | **Value** |
| ClinicalDocument (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.1.1:2015-08-01) | | | | | |
| realmCode | 1..1 | SHALL |  | [1198-16791](#C_1198-16791) | US |
| typeId | 1..1 | SHALL |  | [1198-5361](#C_1198-5361) |  |
| @root | 1..1 | SHALL |  | [1198-5250](#C_1198-5250) | 2.16.840.1.113883.1.3 |
| @extension | 1..1 | SHALL |  | [1198-5251](#C_1198-5251) | POCD\_HD000040 |
| templateId | 1..1 | SHALL |  | [1198-5252](#C_1198-5252) |  |
| @root | 1..1 | SHALL |  | [1198-10036](#C_1198-10036) | 2.16.840.1.113883.10.20.22.1.1 |
| @extension | 1..1 | SHALL |  | [1198-32503](#C_1198-32503) | 2015-08-01 |
| id | 1..1 | SHALL |  | [1198-5363](#C_1198-5363) |  |
| code | 1..1 | SHALL |  | [1198-5253](#C_1198-5253) |  |
| title | 1..1 | SHALL |  | [1198-5254](#C_1198-5254) |  |
| effectiveTime | 1..1 | SHALL |  | [1198-5256](#C_1198-5256) | [US Realm Date and Time (DTM.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.4](#U_US_Realm_Date_and_Time_DTMUSFIELDED) |
| confidentialityCode | 1..1 | SHALL |  | [1198-5259](#C_1198-5259) | urn:oid:2.16.840.1.113883.1.11.16926 (HL7 BasicConfidentialityKind) |
| languageCode | 1..1 | SHALL |  | [1198-5372](#C_1198-5372) | urn:oid:2.16.840.1.113883.1.11.11526 (Language) |
| setId | 0..1 | MAY |  | [1198-5261](#C_1198-5261) |  |
| versionNumber | 0..1 | MAY |  | [1198-5264](#C_1198-5264) |  |
| recordTarget | 1..\* | SHALL |  | [1198-5266](#C_1198-5266) |  |
| patientRole | 1..1 | SHALL |  | [1198-5267](#C_1198-5267) |  |
| id | 1..\* | SHALL |  | [1198-5268](#C_1198-5268) |  |
| addr | 1..\* | SHALL |  | [1198-5271](#C_1198-5271) | [US Realm Address (AD.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2](#U_US_Realm_Address_ADUSFIELDED) |
| telecom | 1..\* | SHALL |  | [1198-5280](#C_1198-5280) |  |
| @use | 0..1 | SHOULD |  | [1198-5375](#C_1198-5375) | urn:oid:2.16.840.1.113883.11.20.9.20 (Telecom Use (US Realm Header)) |
| patient | 1..1 | SHALL |  | [1198-5283](#C_1198-5283) |  |
| name | 1..\* | SHALL |  | [1198-5284](#C_1198-5284) | [US Realm Patient Name (PTN.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1](#U_US_Realm_Patient_Name_PTNUSFIELDED) |
| administrativeGenderCode | 1..1 | SHALL |  | [1198-6394](#C_1198-6394) | urn:oid:2.16.840.1.113883.1.11.1 (Administrative Gender (HL7 V3)) |
| birthTime | 1..1 | SHALL |  | [1198-5298](#C_1198-5298) |  |
| maritalStatusCode | 0..1 | SHOULD |  | [1198-5303](#C_1198-5303) | urn:oid:2.16.840.1.113883.1.11.12212 (Marital Status) |
| religiousAffiliationCode | 0..1 | MAY |  | [1198-5317](#C_1198-5317) | urn:oid:2.16.840.1.113883.1.11.19185 (Religious Affiliation) |
| raceCode | 1..1 | SHALL |  | [1198-5322](#C_1198-5322) | urn:oid:2.16.840.1.113883.3.2074.1.1.3 (Race Category Excluding Nulls) |
| sdtc:raceCode | 0..\* | MAY |  | [1198-7263](#C_1198-7263) | urn:oid:2.16.840.1.113883.1.11.14914 (Race) |
| ethnicGroupCode | 1..1 | SHALL |  | [1198-5323](#C_1198-5323) | urn:oid:2.16.840.1.114222.4.11.837 (Ethnicity) |
| sdtc:ethnicGroupCode | 0..\* | MAY |  | [1198-32901](#C_1198-32901) | urn:oid:2.16.840.1.114222.4.11.877 (Detailed Ethnicity) |
| guardian | 0..\* | MAY |  | [1198-5325](#C_1198-5325) |  |
| code | 0..1 | SHOULD |  | [1198-5326](#C_1198-5326) | urn:oid:2.16.840.1.113883.11.20.12.1 (Personal And Legal Relationship Role Type) |
| addr | 0..\* | SHOULD |  | [1198-5359](#C_1198-5359) | [US Realm Address (AD.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2](#U_US_Realm_Address_ADUSFIELDED) |
| telecom | 0..\* | SHOULD |  | [1198-5382](#C_1198-5382) |  |
| @use | 0..1 | SHOULD |  | [1198-7993](#C_1198-7993) | urn:oid:2.16.840.1.113883.11.20.9.20 (Telecom Use (US Realm Header)) |
| guardianPerson | 1..1 | SHALL |  | [1198-5385](#C_1198-5385) |  |
| name | 1..\* | SHALL |  | [1198-5386](#C_1198-5386) | [US Realm Person Name (PN.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1](#U_US_Realm_Person_Name_PNUSFIELDED) |
| birthplace | 0..1 | MAY |  | [1198-5395](#C_1198-5395) |  |
| place | 1..1 | SHALL |  | [1198-5396](#C_1198-5396) |  |
| addr | 1..1 | SHALL |  | [1198-5397](#C_1198-5397) |  |
| country | 0..1 | SHOULD |  | [1198-5404](#C_1198-5404) | urn:oid:2.16.840.1.113883.3.88.12.80.63 (Country) |
| languageCommunication | 0..\* | SHOULD |  | [1198-5406](#C_1198-5406) |  |
| languageCode | 1..1 | SHALL |  | [1198-5407](#C_1198-5407) | urn:oid:2.16.840.1.113883.1.11.11526 (Language) |
| modeCode | 0..1 | MAY |  | [1198-5409](#C_1198-5409) | urn:oid:2.16.840.1.113883.1.11.12249 (LanguageAbilityMode) |
| proficiencyLevelCode | 0..1 | SHOULD |  | [1198-9965](#C_1198-9965) | urn:oid:2.16.840.1.113883.1.11.12199 (LanguageAbilityProficiency) |
| preferenceInd | 0..1 | SHOULD |  | [1198-5414](#C_1198-5414) |  |
| providerOrganization | 0..1 | MAY |  | [1198-5416](#C_1198-5416) |  |
| id | 1..\* | SHALL |  | [1198-5417](#C_1198-5417) |  |
| @root | 0..1 | SHOULD |  | [1198-16820](#C_1198-16820) | 2.16.840.1.113883.4.6 |
| name | 1..\* | SHALL |  | [1198-5419](#C_1198-5419) |  |
| telecom | 1..\* | SHALL |  | [1198-5420](#C_1198-5420) |  |
| @use | 0..1 | SHOULD |  | [1198-7994](#C_1198-7994) | urn:oid:2.16.840.1.113883.11.20.9.20 (Telecom Use (US Realm Header)) |
| addr | 1..\* | SHALL |  | [1198-5422](#C_1198-5422) | [US Realm Address (AD.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2](#U_US_Realm_Address_ADUSFIELDED) |
| author | 1..\* | SHALL |  | [1198-5444](#C_1198-5444) |  |
| time | 1..1 | SHALL |  | [1198-5445](#C_1198-5445) | [US Realm Date and Time (DTM.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.4](#U_US_Realm_Date_and_Time_DTMUSFIELDED) |
| assignedAuthor | 1..1 | SHALL |  | [1198-5448](#C_1198-5448) |  |
| id | 1..\* | SHALL |  | [1198-5449](#C_1198-5449) |  |
| id | 0..1 | SHOULD |  | [1198-32882](#C_1198-32882) |  |
| @nullFlavor | 0..1 | MAY |  | [1198-32883](#C_1198-32883) | urn:oid:2.16.840.1.113883.5.1008 (HL7NullFlavor) = UNK |
| @root | 1..1 | SHALL |  | [1198-32884](#C_1198-32884) | 2.16.840.1.113883.4.6 |
| @extension | 0..1 | SHOULD |  | [1198-32885](#C_1198-32885) |  |
| code | 0..1 | SHOULD |  | [1198-16787](#C_1198-16787) |  |
| @code | 1..1 | SHALL |  | [1198-16788](#C_1198-16788) | urn:oid:2.16.840.1.114222.4.11.1066 (Healthcare Provider Taxonomy (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).
   2. This code **SHALL** be drawn from the LOINC document type ontology (LOINC codes where SCALE = DOC) (CONF:1198-32948).
6. SHALL contain exactly one [1..1] title (CONF:1198-5254).  
   Note: The title can either be a locally defined name or the displayName corresponding to clinicalDocument/code
7. SHALL contain exactly one [1..1] [US Realm Date and Time (DTM.US.FIELDED)](#U_US_Realm_Date_and_Time_DTMUSFIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.4) (CONF:1198-5256).
8. SHALL contain exactly one [1..1] confidentialityCode, which SHOULD be selected from ValueSet HL7 BasicConfidentialityKind 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 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) urn:oid:2.16.840.1.113883.11.20.9.20 DYNAMIC (CONF:1198-5375).
      4. This patientRole SHALL contain exactly one [1..1] patient (CONF:1198-5283).
         1. This patient SHALL contain at least one [1..\*] [US Realm Patient Name (PTN.US.FIELDED)](#U_US_Realm_Patient_Name_PTNUSFIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1) (CONF:1198-5284).
         2. This patient SHALL contain exactly one [1..1] administrativeGenderCode, which SHALL be selected from ValueSet Administrative Gender (HL7 V3) 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 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 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 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 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 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 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 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) 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 urn:oid:2.16.840.1.113883.3.88.12.80.63 DYNAMIC (CONF:1198-5404).

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

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

* + - 1. This patient SHOULD contain zero or more [0..\*] languageCommunication (CONF:1198-5406).
         1. The languageCommunication, if present, SHALL contain exactly one [1..1] languageCode, which SHALL be selected from ValueSet Language 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 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 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) 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) 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) 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) 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) 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) 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) 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) 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) 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) 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) 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 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 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) 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 (US Realm) Release 1 STU Release 1.0

Table 3: Reportability Response Document (RR) Contexts

| **Contained By:** | **Contains:** |
| --- | --- |
|  | [US Realm Address (AD.US.FIELDED)](#U_US_Realm_Address_ADUSFIELDED) (optional)  [US Realm Address (AD.US.FIELDED)](#U_US_Realm_Address_ADUSFIELDED) (required)  [US Realm Person Name (PN.US.FIELDED)](#U_US_Realm_Person_Name_PNUSFIELDED) (optional)  [US Realm Person Name (PN.US.FIELDED)](#U_US_Realm_Person_Name_PNUSFIELDED) (required)  [US Realm Date and Time (DTM.US.FIELDED)](#U_US_Realm_Date_and_Time_DTMUSFIELDED) (required)  [Reportability Response Subject Section](#S_Reportability_Response_Subject_Sectio) (optional)  [Reportability Response Summary Section](#S_Reportability_Response_Summary_Section) (optional)  [Electronic Initial Case Report Section](#S_Electronic_Initial_Case_Report_Section) (required) |

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

This document will be created in response to an electronic Initial Case Report (eICR) CDA document and contains focused public health information to meet healthcare needs. This information includes information about the reportable condition along with resources and details on where to get more information about the condition, its treatment, and reporting requirements.

The Reportability Response CDA document is also structured to allow:

* Notification, alerting, routing and queueing in work or message management systems for healthcare personnel
* Dynamic and static URIs for supplemental data collection and the provision of information resources

The narrative structure of a Reportability Response CDA document can take two different forms, depending on the processing status of the eICR CDA document to which it is a response. These forms are as follows:

* If the eICR CDA document was processed, then all three top-level sections (Reportability Response Subject Section, Reportability Response Summary Section and Electronic Initial Case Report Section) will have narrative text elements:
* \* Reportability Response Subject Section
* \* \* Subject text
* \* Electronic Initial Case Report Section
* \* \* eICR Identifier
* \* Reportability Response Summary Section
* \* \* Summary text
* \* \* Lists of resources and their descriptions
* If the eICR CDA document was not processed and has errors, then only the electronic Initial Case Report Section will have a narrative text element:
* \* Electronic Initial Case Report Section
* \* \* eICR Identifier (if available)
* \* \* eICR Processing Error Reason(s)

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) |  |
| @code | 1..1 | SHALL |  | [3315-359](#C_3315-359) | TEMP\_CODE\_REPORTABILITY\_RESPONSE |
| @codeSystem | 1..1 | SHALL |  | [3315-360](#C_3315-360) | urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1 |
| title | 1..1 | SHALL |  | [3315-80](#C_3315-80) |  |
| 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) |  |
| @nullFlavor | 0..1 | MAY |  | [3315-740](#C_3315-740) | urn:oid:2.16.840.1.113883.5.1008 (HL7NullFlavor) = MSK |
| 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) |
| @nullFlavor | 0..1 | MAY |  | [3315-743](#C_3315-743) | urn:oid:2.16.840.1.113883.5.1008 (HL7NullFlavor) = MSK |
| telecom | 1..\* | SHALL |  | [3315-753](#C_3315-753) |  |
| @nullFlavor | 0..1 | MAY |  | [3315-756](#C_3315-756) | urn:oid:2.16.840.1.113883.5.1008 (HL7NullFlavor) = MSK |
| patient | 1..1 | SHALL |  | [3315-31](#C_3315-31) |  |
| name | 1..\* | SHALL |  | [3315-739](#C_3315-739) |  |
| @nullFlavor | 0..1 | MAY |  | [3315-741](#C_3315-741) | urn:oid:2.16.840.1.113883.5.1008 (HL7NullFlavor) = MSK |
| administrativeGenderCode | 1..1 | SHALL |  | [3315-754](#C_3315-754) |  |
| @nullFlavor | 0..1 | MAY |  | [3315-757](#C_3315-757) | urn:oid:2.16.840.1.113883.5.1008 (HL7NullFlavor) = MSK |
| birthTime | 1..1 | SHALL |  | [3315-742](#C_3315-742) |  |
| @nullFlavor | 0..1 | MAY |  | [3315-744](#C_3315-744) | urn:oid:2.16.840.1.113883.5.1008 (HL7NullFlavor) = MSK |
| sdtc:deceasedInd | 1..1 | SHALL |  | [3315-73](#C_3315-73) |  |
| sdtc:deceasedTime | 0..1 | MAY |  | [3315-33](#C_3315-33) |  |
| raceCode | 1..1 | SHALL |  | [3315-745](#C_3315-745) |  |
| @nullFlavor | 0..1 | MAY |  | [3315-749](#C_3315-749) | urn:oid:2.16.840.1.113883.5.1008 (HL7NullFlavor) = MSK |
| sdtc:raceCode | 0..\* | MAY |  | [3315-746](#C_3315-746) |  |
| @nullFlavor | 0..1 | MAY |  | [3315-750](#C_3315-750) | urn:oid:2.16.840.1.113883.5.1008 (HL7NullFlavor) = MSK |
| ethnicGroupCode | 1..1 | SHALL |  | [3315-747](#C_3315-747) |  |
| @nullFlavor | 0..1 | MAY |  | [3315-751](#C_3315-751) | urn:oid:2.16.840.1.113883.5.1008 (HL7NullFlavor) = MSK |
| sdtc:ethnicGroupCode | 0..\* | MAY |  | [3315-748](#C_3315-748) |  |
| @nullFlavor | 0..1 | MAY |  | [3315-752](#C_3315-752) | urn:oid:2.16.840.1.113883.5.1008 (HL7NullFlavor) = MSK |
| 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) |
| @nullFlavor | 0..1 | MAY |  | [3315-761](#C_3315-761) | urn:oid:2.16.840.1.113883.5.1008 (HL7NullFlavor) = MSK |
| telecom | 1..\* | SHALL |  | [3315-69](#C_3315-69) |  |
| @nullFlavor | 0..1 | MAY |  | [3315-758](#C_3315-758) | urn:oid:2.16.840.1.113883.5.1008 (HL7NullFlavor) = MSK |
| guardianPerson | 1..1 | SHALL |  | [3315-70](#C_3315-70) |  |
| name | 1..\* | SHALL |  | [3315-755](#C_3315-755) |  |
| @nullFlavor | 0..1 | MAY |  | [3315-759](#C_3315-759) | urn:oid:2.16.840.1.113883.5.1008 (HL7NullFlavor) = MSK |
| languageCommunication | 1..\* | SHALL |  | [3315-72](#C_3315-72) |  |
| @nullFlavor | 0..1 | MAY |  | [3315-760](#C_3315-760) | urn:oid:2.16.840.1.113883.5.1008 (HL7NullFlavor) = MSK |
| 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..1 | SHALL |  | [3315-83](#C_3315-83) |  |
| @typeCode | 1..1 | SHALL |  | [3315-701](#C_3315-701) | urn:oid:2.16.840.1.113883.5.90 (HL7ParticipationType) = PRCP |
| intendedRecipient | 1..1 | SHALL |  | [3315-674](#C_3315-674) |  |
| id | 1..\* | SHALL |  | [3315-675](#C_3315-675) |  |
| @root | 1..1 | SHALL |  | [3315-683](#C_3315-683) |  |
| @extension | 0..1 | MAY |  | [3315-684](#C_3315-684) |  |
| addr | 1..1 | SHALL |  | [3315-685](#C_3315-685) | [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 |  | [3315-686](#C_3315-686) |  |
| informationRecipient | 1..1 | SHALL |  | [3315-676](#C_3315-676) |  |
| name | 1..\* | SHALL |  | [3315-687](#C_3315-687) | [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 | SHOULD |  | [3315-677](#C_3315-677) |  |
| id | 0..\* | SHOULD |  | [3315-688](#C_3315-688) |  |
| name | 1..\* | SHALL |  | [3315-689](#C_3315-689) |  |
| telecom | 0..\* | SHOULD |  | [3315-690](#C_3315-690) |  |
| addr | 1..1 | SHALL |  | [3315-691](#C_3315-691) | [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 |  | [3315-678](#C_3315-678) |  |
| @typeCode | 1..1 | SHALL |  | [3315-702](#C_3315-702) | urn:oid:2.16.840.1.113883.5.90 (HL7ParticipationType) = TRC |
| intendedRecipient | 1..1 | SHALL |  | [3315-679](#C_3315-679) |  |
| id | 1..\* | SHALL |  | [3315-680](#C_3315-680) |  |
| @root | 1..1 | SHALL |  | [3315-692](#C_3315-692) |  |
| @extension | 0..1 | MAY |  | [3315-693](#C_3315-693) |  |
| addr | 1..1 | SHALL |  | [3315-694](#C_3315-694) | [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 |  | [3315-695](#C_3315-695) |  |
| informationRecipient | 1..1 | SHALL |  | [3315-681](#C_3315-681) |  |
| name | 1..\* | SHALL |  | [3315-696](#C_3315-696) | [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 | SHOULD |  | [3315-682](#C_3315-682) |  |
| id | 0..\* | SHOULD |  | [3315-697](#C_3315-697) |  |
| name | 1..1 | SHALL |  | [3315-698](#C_3315-698) |  |
| telecom | 0..\* | SHOULD |  | [3315-699](#C_3315-699) |  |
| addr | 1..1 | SHALL |  | [3315-700](#C_3315-700) | [US Realm Address (AD.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2](#U_US_Realm_Address_ADUSFIELDED) |
| 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 | 0..1 | SHOULD |  | [3315-142](#C_3315-142) |  |
| section | 1..1 | SHALL |  | [3315-144](#C_3315-144) | [Reportability Response Subject Section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.2.1:2017-04-01](#S_Reportability_Response_Subject_Sectio) |
| component | 1..1 | SHALL |  | [3315-629](#C_3315-629) |  |
| section | 1..1 | SHALL |  | [3315-630](#C_3315-630) | [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 | 0..1 | SHOULD |  | [3315-631](#C_3315-631) |  |
| section | 1..1 | SHALL |  | [3315-632](#C_3315-632) | [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) |

Properties

1. Conforms to [US Realm Header (V3)](#D_US_Realm_Header_V3) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.1.1:2015-08-01).
2. SHALL contain exactly one [1..1] templateId (CONF: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 (CONF:3315-79).
   1. This code SHALL contain exactly one [1..1] @code="TEMP\_CODE\_REPORTABILITY\_RESPONSE" Reportability Response Document (CONF:3315-359).
   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:3315-360).

Recommended title: "Reportability Response"

1. SHALL contain exactly one [1..1] title (CONF:3315-80).
2. 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).

recordTarget

The recordTarget records the administrative and demographic data of the patient. In the Reportability Response CDA document, this data will be sourced from the eICR CDA document to which this document is a response.

1. 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: Patient ID: If multiple identifiers are available, a medical record number, Social Security number, Medicaid number, or all three \*SHOULD\* be provided in this field.
         1. Such ids MAY contain zero or one [0..1] @nullFlavor="MSK" masked (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:3315-740).

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.

* + 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).
       1. Such addrs MAY contain zero or one [0..1] @nullFlavor="MSK" masked (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:3315-743).
    2. This patientRole SHALL contain at least one [1..\*] telecom (CONF:3315-753).
       1. Such telecoms MAY contain zero or one [0..1] @nullFlavor="MSK" masked (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:3315-756).
    3. This patientRole SHALL contain exactly one [1..1] patient (CONF:3315-31).
       1. This patient SHALL contain at least one [1..\*] name (CONF:3315-739).
          1. Such names MAY contain zero or one [0..1] @nullFlavor="MSK" masked (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:3315-741).
       2. This patient SHALL contain exactly one [1..1] administrativeGenderCode (CONF:3315-754).
          1. This administrativeGenderCode MAY contain zero or one [0..1] @nullFlavor="MSK" masked (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:3315-757).
       3. This patient SHALL contain exactly one [1..1] birthTime (CONF:3315-742).
          1. This birthTime MAY contain zero or one [0..1] @nullFlavor="MSK" masked (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:3315-744).
       4. This patient SHALL contain exactly one [1..1] sdtc:deceasedInd (CONF:3315-73).
       5. 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).
       6. This patient SHALL contain exactly one [1..1] raceCode (CONF:3315-745).
          1. This raceCode MAY contain zero or one [0..1] @nullFlavor="MSK" masked (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:3315-749).
       7. This patient MAY contain zero or more [0..\*] sdtc:raceCode (CONF:3315-746).
          1. The sdtc:raceCode, if present, MAY contain zero or one [0..1] @nullFlavor="MSK" masked (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:3315-750).
       8. This patient SHALL contain exactly one [1..1] ethnicGroupCode (CONF:3315-747).
          1. This ethnicGroupCode MAY contain zero or one [0..1] @nullFlavor="MSK" masked (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:3315-751).
       9. This patient MAY contain zero or more [0..\*] sdtc:ethnicGroupCode (CONF:3315-748).
          1. The sdtc:ethnicGroupCode, if present, MAY contain zero or one [0..1] @nullFlavor="MSK" masked (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:3315-752).
       10. 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).

Such addrs MAY contain zero or one [0..1] @nullFlavor="MSK" masked (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:3315-761).

* + - * 1. The guardian, if present, SHALL contain at least one [1..\*] telecom (CONF:3315-69).

Such telecoms MAY contain zero or one [0..1] @nullFlavor="MSK" masked (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:3315-758).

* + - * 1. The guardian, if present, SHALL contain exactly one [1..1] guardianPerson (CONF:3315-70).

This guardianPerson SHALL contain at least one [1..\*] name (CONF:3315-755).

Such names MAY contain zero or one [0..1] @nullFlavor="MSK" masked (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:3315-759).

* + - 1. This patient SHALL contain at least one [1..\*] languageCommunication (CONF:3315-72).
         1. Such languageCommunications MAY contain zero or one [0..1] @nullFlavor="MSK" masked (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:3315-760).

author

For the Reportability Response CDA document, this will most likely be the software that is generating the response, though this will not always the be case.

1. SHALL contain at least one [1..\*] author (CONF:3315-34).
   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).

Figure 17: Primary informationRecipient

<!-- typeCode="PRCP" indicates the primary information recipient -->

<informationRecipient typeCode="PRCP">

<!-- ResponsbileProvider -->

<intendedRecipient>

<!-- ResponsbileProvider.identifier -->

<id extension="6666666666666" root="2.16.840.1.113883.4.6" />

<!-- ResponsbileProvider.address -->

<addr>

<streetAddressLine>1002 Healthcare Drive</streetAddressLine>

<city>Ann Arbor</city>

<state>MI</state>

<postalCode>99999</postalCode>

<country>US</country>

</addr>

<!-- ResponsbileProvider.telecomAddress -->

<telecom use="WP" value="tel:+1-555-555-1002" />

<telecom use="WP" value="fax:+1-555-955-1002" />

<telecom use="WP" value="mailto:henrysevenmd@email.net" />

<informationRecipient>

<!-- ResponsbileProvider.name -->

<name>

<prefix>Dr.</prefix>

<given>Henry</given>

<family>Seven</family>

</name>

</informationRecipient>

<!-- ResponsbileProviderFacility -->

<receivedOrganization>

<!-- ResponsbileProviderFacility.name -->

<name>Level Seven Healthcare, Inc.</name>

<!-- ResponsbileProviderFacility.address -->

<addr>

<streetAddressLine>4444 Healthcare Drive</streetAddressLine>

<city>Ann Arbor</city>

<state>MI</state>

<postalCode>99999</postalCode>

<country>US</country>

</addr>

</receivedOrganization>

</intendedRecipient>

</informationRecipient>

informationRecipient

This primary informationRecipient contains the provider details. The provider details are obtained from the eICR encompassingEncounter/responsibleParty/assignedEntity which contains the "ResponsibleProvider" data. This data is also contained in the RR encompassingEncounter/responsibleParty/assignedEntity.

1. SHALL contain exactly one [1..1] informationRecipient (CONF:3315-83) such that it
   1. SHALL contain exactly one [1..1] @typeCode="PRCP" Primary information recipient (CodeSystem: HL7ParticipationType urn:oid:2.16.840.1.113883.5.90) (CONF:3315-701).
   2. SHALL contain exactly one [1..1] intendedRecipient (CONF:3315-674).  
      Note: ResponsibleProvider
      1. This intendedRecipient SHALL contain at least one [1..\*] id (CONF:3315-675).  
         Note: ResponsibleProvider.identifier
         1. Such ids SHALL contain exactly one [1..1] @root (CONF:3315-683).
         2. Such ids MAY contain zero or one [0..1] @extension (CONF:3315-684).
      2. This intendedRecipient 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:3315-685).  
         Note: ResponsibleProvider.address
      3. This intendedRecipient SHALL contain at least one [1..\*] telecom (CONF:3315-686).  
         Note: ResponsibleProvider.telecomAddress
      4. This intendedRecipient SHALL contain exactly one [1..1] informationRecipient (CONF:3315-676).
         1. This informationRecipient 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:3315-687).  
            Note: ResponsibleProvider.name
      5. This intendedRecipient SHOULD contain zero or one [0..1] receivedOrganization (CONF:3315-677).  
         Note: ResponsibleProviderFacility
         1. The receivedOrganization, if present, SHOULD contain zero or more [0..\*] id (CONF:3315-688).
         2. The receivedOrganization, if present, SHALL contain at least one [1..\*] name (CONF:3315-689).  
            Note: ProviderFacility.name
         3. The receivedOrganization, if present, SHOULD contain zero or more [0..\*] telecom (CONF:3315-690).  
            Note: ProviderFacility.telecomAddress
         4. The receivedOrganization, if present, 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:3315-691).  
            Note: ProviderFacility.postalAddress

informationRecipient

There may also be secondary informationRecipients, one of which may contain the reporter details. The reporter details which are obtained from the eICR author, in cases where the author is the reporter and is not software (i.e. author/assignedAuthor/assignedPerson is present in the eICR CDA XML).

1. MAY contain zero or more [0..\*] informationRecipient (CONF:3315-678) such that it
   1. SHALL contain exactly one [1..1] @typeCode="TRC" Tracker (CodeSystem: HL7ParticipationType urn:oid:2.16.840.1.113883.5.90) (CONF:3315-702).  
      Note: Indicates secondary information recipient
   2. SHALL contain exactly one [1..1] intendedRecipient (CONF:3315-679).
      1. This intendedRecipient SHALL contain at least one [1..\*] id (CONF:3315-680).
         1. Such ids SHALL contain exactly one [1..1] @root (CONF:3315-692).
         2. Such ids MAY contain zero or one [0..1] @extension (CONF:3315-693).
      2. This intendedRecipient 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:3315-694).
      3. This intendedRecipient SHALL contain at least one [1..\*] telecom (CONF:3315-695).
      4. This intendedRecipient SHALL contain exactly one [1..1] informationRecipient (CONF:3315-681).
         1. This informationRecipient 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:3315-696).
      5. This intendedRecipient SHOULD contain zero or one [0..1] receivedOrganization (CONF:3315-682).
         1. The receivedOrganization, if present, SHOULD contain zero or more [0..\*] id (CONF:3315-697).
         2. The receivedOrganization, if present, SHALL contain exactly one [1..1] name (CONF:3315-698).
         3. The receivedOrganization, if present, SHOULD contain zero or more [0..\*] telecom (CONF:3315-699).
         4. The receivedOrganization, if present, 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:3315-700).

Figure 18: Secondary informationRecipient (reporter)

<!-- typeCode="TRC" indicates a secondary information recipient -->

<informationRecipient typeCode="TRC">

<intendedRecipient>

<id extension="555555555555" root="2.16.840.1.113883.4.6" />

<addr>

<streetAddressLine>1002 Healthcare Drive</streetAddressLine>

<city>Ann Arbor</city>

<state>MI</state>

<postalCode>99999</postalCode>

<country>US</country>

</addr>

<telecom use="WP" value="tel:+1-555-555-1112" />

<telecom use="WP" value="fax:+1-555-955-1122" />

<telecom use="WP" value="mailto:reporter@email.net" />

<informationRecipient>

<name>

<prefix>Dr.</prefix>

<given>Reporting</given>

<family>Reporter</family>

</name>

</informationRecipient>

<receivedOrganization>

<name>Level Seven Healthcare, Inc.</name>

<addr>

<streetAddressLine>4444 Healthcare Drive</streetAddressLine>

<city>Ann Arbor</city>

<state>MI</state>

<postalCode>99999</postalCode>

<country>US</country>

</addr>

</receivedOrganization>

</intendedRecipient>

</informationRecipient>

componentOf

For the Reportability Response CDA document, the provider in charge of care and the facility in which care was provided during the encounter in which the eICR CDA document was triggered are contained within this element, along with that 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: eICR Encompassing Encounter ID
      2. This encompassingEncounter SHALL contain exactly one [1..1] code, which SHOULD be selected from ValueSet 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 available, the NPI number \*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 (phone, fax, email)
        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 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).

component

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 SHOULD contain zero or one [0..1] component (CONF:3315-142) such that it
         1. SHALL contain exactly one [1..1] [Reportability Response Subject Section](#S_Reportability_Response_Subject_Sectio) (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:3315-629) 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:3315-630).
      3. This structuredBody SHOULD contain zero or one [0..1] component (CONF:3315-631) 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:3315-632).
2. The Reportability Response Subject Section **SHALL** be present if the eICR CDA document was processed (eICR Processing Status/code="TEMP\_CODE\_PROCESSED" or "TEMP\_CODE\_PROCESSED\_WARNING" or "TEMP\_CODE\_PROCESSED\_SEVERE\_WARNING") and **SHALL NOT** be present if the eICR CDA document was not processed (eICR ProcessingStatus/code="TEMP\_CODE\_NOT\_PROCESSED\_ERROR") (CONF:3315-635).
3. The Reportability Response Summary Section **SHALL** be present if the eICR CDA document was processed (eICR Processing Status/code="TEMP\_CODE\_PROCESSED" or "TEMP\_CODE\_PROCESSED\_WARNING" or "TEMP\_CODE\_PROCESSED\_SEVERE\_WARNING") and **SHALL NOT** be present if the eICR CDA document was not processed (eICR ProcessingStatus/code="TEMP\_CODE\_NOT\_PROCESSED\_ERROR") (CONF:3315-636).

Figure 19: 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="TEMP\_CODE\_REPORTABILITY\_RESPONSE" codeSystem="2.16.840.1.113883.6.1" displayName="Public Health Case Report" />

<title>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-Level Templates

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 (US Realm) Release 1 STU Release 1.0

Table 5: Electronic Initial Case Report Section Contexts

| **Contained By:** | **Contains:** |
| --- | --- |
| [Reportability Response Document (RR)](#D_Reportability_Response_Document_RR) (required) | [Received eICR Information](#E_Received_eICR_Information) (required)  [Manually Initiated eICR](#E_Manually_Initiated_eICR) (optional)  [eICR Processing Status](#E_eICR_Processing_Status) (required) |

This section contains information about the eICR CDA document to which this document is a response. The date/time of receipt and an external document reference containing the ID of the eICR CDA document are represented in the Received eICR Information template and the processing status of the eICR CDA document is contained in the eICR Processing Status template. If the eICR CDA document was manually initiated by a healthcare provider, this is indicated by the presence of the Manually Initiated eICR template.

This section is always present in the Reportability Response CDA document.

The narrative in this section is displayed first in the Reportability Response CDA document and consists of a text element that displays the eICR Identifier, and when the eICR CDA document was not processed it contains the eICR processing error reason(s).

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) |
| entry | 1..1 | SHALL |  | [3315-466](#C_3315-466) |  |
| act | 1..1 | SHALL |  | [3315-467](#C_3315-467) | [eICR Processing Status (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.29:2017-04-01](#E_eICR_Processing_Status) |
| entry | 0..1 | MAY |  | [3315-477](#C_3315-477) |  |
| act | 1..1 | SHALL |  | [3315-580](#C_3315-580) | [Manually Initiated eICR (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.22:2017-04-01](#E_Manually_Initiated_eICR) |

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).
4. SHALL contain exactly one [1..1] entry (CONF:3315-466) such that it
   1. SHALL contain exactly one [1..1] [eICR Processing Status](#E_eICR_Processing_Status) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.29:2017-04-01) (CONF:3315-467).

In the case that the eICR was manually initiated, this entry should be present.

1. MAY contain zero or one [0..1] entry (CONF:3315-477) such that it
   1. SHALL contain exactly one [1..1] [Manually Initiated eICR](#E_Manually_Initiated_eICR) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.22:2017-04-01) (CONF:3315-580).

Figure 20: 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 Initial Case Report Section" />

<text>

<!-- eICR Information -->

<table>

<col width="40%" />

<col width="60%" />

<tbody>

<tr>

<td>eICR Identifier</td>

<td>ca316e79-aaf2-4e8c-aa5f-848093bb8bb1</td>

</tr>

</tbody>

</table>

</text>

<entry>

<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" />

...

</act>

</entry>

<!-- eICR Processing Status -->

<entry>

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

<!-- [RR R1S1] eICR Processing Status -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.29" extension="2017-04-01" />

...

</act>

</entry>

<!-- Manually Initiated eICR -->

<entry>

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

<!-- [RR R1S1] Manually Initiated eICR -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.22" extension="2017-04-01" />

...

</act>

</entry>

</section>

Figure 21: Electronic Initial Case Report Section Narrative Text Example

<text>

<!-- eICR Information -->

<content styleCode="Bold">eICR Information:</content>

<table>

<tbody>

<tr>

<td>eICR Identifier</td>

<td>ca316e79-aaf2-4e8c-aa5f-848093bb8bb1</td>

</tr>

</tbody>

</table>

</text>

Reportability Response Subject 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 (US Realm) Release 1 STU Release 1.0

Table 7: Reportability Response Subject Section Contexts

| **Contained By:** | **Contains:** |
| --- | --- |
| [Reportability Response Document (RR)](#D_Reportability_Response_Document_RR) (optional) | [Reportability Response Subject](#E_Reportability_Response_Subject) (required) |

This section contains the subject (short description) of the Reportability Response CDA document. This information can be used in a work queue or an email subject and gives a concise description of the reportable condition and any actions that have been taken by the sending public health agency.

This section is present in the Reportability Response CDA document if the eICR CDA document was processed and is not present if the eICR CDA document was not processed.

The narrative in this section is displayed first in the Reportability Response CDA document and consists of paragraphs containing the "Subject:" heading and the subject text.

Table 8: Reportability Response Subject 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\_SUBJECT\_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) | Subject: |
| paragraph | 1..1 | SHALL |  | [3315-648](#C_3315-648) |  |
| content | 1..1 | SHALL |  | [3315-649](#C_3315-649) |  |
| @ID | 1..1 | SHALL |  | [3315-651](#C_3315-651) |  |
| entry | 1..1 | SHALL |  | [3315-84](#C_3315-84) |  |
| act | 1..1 | SHALL |  | [3315-161](#C_3315-161) | [Reportability Response Subject (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.7:2017-04-01](#E_Reportability_Response_Subject) |

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\_SUBJECT\_SECTION" Reportability Response Subject (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).

The following text **SHALL** be rendered first in the Reportability Response CDA document narrative, much like the subject of an email.

1. SHALL contain exactly one [1..1] text (CONF:3315-95).
   1. This text SHALL contain exactly one [1..1] paragraph (CONF:3315-100) such that it
      1. SHALL contain exactly one [1..1] content="Subject:" (CONF:3315-101).

The text in this paragraph is pointed to by text/reference/@value in the Reportability Response Subject template.

* 1. This text SHALL contain exactly one [1..1] paragraph (CONF:3315-648) such that it  
     Note: Subject of the Reportability Response
     1. SHALL contain exactly one [1..1] content (CONF:3315-649).
        1. This content SHALL contain exactly one [1..1] @ID (CONF:3315-651).

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

Figure 22: Reportability Response Subject Section Example

<section>

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

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

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

codeSystem="2.16.840.1.113883.6.1"

codeSystemName="LOINC"

displayName="Reportability Response Subject" />

<text>

<paragraph><content styleCode="Bold">Subject:</content></paragraph>

<!-- 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="Italics">

Reportable condition notification:

</content>

An initial report for Zika has been sent to the Utah Department of Health.

</content>

</paragraph>

</text>

<!-- Reportability Response Subject -->

<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 Subject -->

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

...

</act>

</entry>

</section>

Figure 23: Reportability Response Subject Section Narrative Text Example

<text>

<paragraph>

<content styleCode="Bold">Subject:</content>

</paragraph>

<!-- 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="Italics">Reportable condition notification:</content>

An initial report for Zika has been sent to the Health Authority West.

</content>

</paragraph>

</text>

Reportability Response Summary Section

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

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Table 9: Reportability Response Summary Section Contexts

| **Contained By:** | **Contains:** |
| --- | --- |
| [Reportability Response Document (RR)](#D_Reportability_Response_Document_RR) (optional) | [Reportability Response Coded Information Organizer](#E_Reportability_Response_Coded_Informat) (required)  [Reportability Response Summary](#E_Reportability_Response_Summary) (required)  [Reportability Response Priority](#E_Reportability_Response_Priority) (required) |

This section contains the Reportability Response Summary template and the Reportability Response Priority template. This section also contains the Reportability Response Coded Information Organizer.

This section is present in the Reportabilty Response CDA document if the eICR CDA document was processed and is not present if the eICR CDA document was not processed.

The narrative in this section is displayed last in the Reportability Response CDA document and consists of the following elements in the following order:

•  Paragraphs containing the "Summary:" heading and the summary text

•  A list containing external resource links from the following categories (code specified in External Resources/code), in the order specified below:

        •  Outbreak- or Cluster-related

        •  Additional reporting needs

        •  Additional detection and/or laboratory testing needs

        •  Treatment and/or prevention

        •  PHA contact information

•  A list containing external resource links from the category (code specified in External Resources/code):

        •  Additional resources

Table 10: 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: |
| 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) |  |
| 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) |
| entry | 1..1 | SHALL |  | [3315-613](#C_3315-613) |  |
| observation | 1..1 | SHALL |  | [3315-614](#C_3315-614) | [Reportability Response Priority (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.30:2017-04-01](#E_Reportability_Response_Priority) |
| entry | 1..1 | SHALL |  | [3315-705](#C_3315-705) |  |
| organizer | 1..1 | SHALL |  | [3315-706](#C_3315-706) | [Reportability Response Coded Information Organizer (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.34:2017-04-01](#E_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).
   1. This text SHALL contain exactly one [1..1] paragraph (CONF:3315-106) such that it
      1. SHALL contain exactly one [1..1] content="Summary:" (CONF:3315-107).

Rendered in this paragraph SHALL be all the links from all the External Resources templates in the document, other than those with a code (External Resource Type value set) of "Additional resources" (which will be rendered separately below).

Links will be ordered in rendering based on the value in External Resources/code (from the External Resource Type value set) of the containing External Resources template. The order is as follows:

1. Outbreak- or Cluster-related

2. Additional reporting needs

3. Additional detection and/or laboratory testing needs

4. Treatment and/or prevention

5. Jurisdiction contact information

Rendered after the above links, SHALL be all the External Resources templates with a code (External Resource Type value set) of "Additional Resources" in the document.

* 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).

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] entry (CONF:3315-613) such that it
   1. SHALL contain exactly one [1..1] [Reportability Response Priority](#E_Reportability_Response_Priority) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.30:2017-04-01) (CONF:3315-614).
3. SHALL contain exactly one [1..1] entry (CONF:3315-705) such that it
   1. SHALL contain exactly one [1..1] [Reportability Response Coded Information Organizer](#E_Reportability_Response_Coded_Informat) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.34:2017-04-01) (CONF:3315-706).

Figure 24: 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>

<!-- Reportability Response Priority -->

<entry typeCode="DRIV">

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

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

<templateId root="2.16.840.1.113883.10.20.15.2.3.30" extension="2017-04-01" />

...

</observation>

</entry>

<!--

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

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>

Figure 25: Reportability Response Summary Section Narrative Text Example

<text>

<!-- The following is the suggested/recommended format and styling -->

<paragraph>

<content styleCode="Bold">Summary:</content>

</paragraph>

<!-- paragraph/content/@ID contains the value of the id/@root of the Reportability

Response Summary template, prefixed with "ref\_".

The Reportability Response Summary template references this narrative -->

<paragraph>

<content ID="ref\_7a0ed3d3-16f3-4fa9-bac5-882f5c7d44b8">

An initial case report was submitted electronically by your organization to

determine if a patient has a public health reportable condition.

The condition of Zika was identified and is a reportable condition in Michigan.

The initial case report was forwarded to the Health Authority West.

</content>

</paragraph>

<!-- External Resources -->

<table>

<tbody ID="ref\_cb29494e-5c09-4dca-abf0-ff27b1781eb9">

<tr>

<td>

<content ID="ref\_e7382520-440b-497f-b39e-68fe7dbfcdf3">

Additional information for the required reporting of Zika must

be submitted to the Health Authority West immediately. This

additional information can be submitted here:

</content>

</td>

<td>

<linkHtml href="http://health.aw.gov/epi/diseases/zika/Supp\_data\_form.pdf">

http://health.aw.gov/epi/diseases/zika/Supp\_data\_form.pdf

</linkHtml>

</td>

</tr>

<tr>...</tr>

...

</tbody>

</table>

<br />

<br />

<!-- Additional References -->

<table>

<caption>Additional References:</caption>

<tbody ID="ref\_bbfc37e5-45e2-4a2e-845b-50f890ff630e">

<tr>

<td>

<content ID="ref\_6b6250f8-cab2-47b4-bbc1-8fe93f71efcb">

Control and prevention information for providers

</content>

</td>

<td>

<linkHtml href="http://health.aw.gov/epi/diseases/zika/plan.pdf">

http://health.aw.gov/epi/diseases/zika/plan.pdf

</linkHtml>

</td>

</tr>

<tr>...</tr>

...

</tbody>

</table>

</text>

# Entry-Level Templates

Determination of Reportability

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.19:2017-04-01 (open)]

Draft as part of Reportability Response (US Realm) Release 1 STU Release 1.0

Table 11: Determination of Reportability Contexts

| **Contained By:** | **Contains:** |
| --- | --- |
| [Reportability Information Organizer](#E_Reportability_Information_Organizer) (required) | [Determination of Reportability Reason](#E_Determination_of_Reportability_Reason) (optional)  [Determination of Reportability Rule](#E_Determination_of_Reportability_Rule) (optional) |

This template represents the determination of reportability. Reportability is "the quality or state of being reportable or not". Reportability does not equate to the patient having a condition or meeting a case definition (definitively being “a case”).

For each condition identified in the eICR and the relevant public health agency(s), this element indicates the determination of whether the condition is reportable to public health.

Note: This template does not represent the determination of reportability based on the totality of the eICR.  The Reportability Response does not include a "overall reportability" status.

The value set used by this template clearly defines two alternatives for decision support processing for any given condition-PHA pairing based on the capabilities of the system.

One alternative will be:

• Reportable - The information provided meets reporting requirements for the associated PHA.

• No rule met - The information provided does not meet reporting requirements or may meet reporting requirements if additional information is provided.

The other alternative will allow for more information to be provided:

• Reportable - The information provided meets reporting requirements for the associated PHA.

• May meet reporting requirements - The information provided may meet reporting requirements if additional information is provided.

• Not reportable - The information provided does not meet reporting requirements.

Table 12: Determination of Reportability Constraints Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **XPath** | **Card.** | **Verb** | **Data Type** | **CONF#** | **Value** |
| observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.19:2017-04-01) | | | | | |
| @classCode | 1..1 | SHALL |  | [3315-354](#C_3315-354) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS |
| @moodCode | 1..1 | SHALL |  | [3315-355](#C_3315-355) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN |
| templateId | 1..1 | SHALL |  | [3315-347](#C_3315-347) |  |
| @root | 1..1 | SHALL |  | [3315-349](#C_3315-349) | 2.16.840.1.113883.10.20.15.2.3.19 |
| @extension | 1..1 | SHALL |  | [3315-350](#C_3315-350) | 2017-04-01 |
| code | 1..1 | SHALL |  | [3315-348](#C_3315-348) |  |
| @code | 1..1 | SHALL |  | [3315-351](#C_3315-351) | TEMP\_CODE\_DETERMINATION\_OF\_REPORTABILITY |
| @codeSystem | 1..1 | SHALL |  | [3315-352](#C_3315-352) | urn:oid:2.16.840.1.114222.4.5.274 (PHIN VS (CDC Local Coding System) ) = 2.16.840.1.114222.4.5.274 |
| value | 1..1 | SHALL | CD | [3315-353](#C_3315-353) | urn:oid:2.16.840.1.113883.10.20.15.2.5.3 (Determination of Reportability) |
| entryRelationship | 0..\* | SHOULD |  | [3315-533](#C_3315-533) |  |
| @typeCode | 1..1 | SHALL |  | [3315-535](#C_3315-535) | urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = RSON |
| observation | 1..1 | SHALL |  | [3315-536](#C_3315-536) | [Determination of Reportability Reason (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.26:2017-04-01](#E_Determination_of_Reportability_Reason) |
| entryRelationship | 0..\* | SHOULD |  | [3315-534](#C_3315-534) |  |
| @typeCode | 1..1 | SHALL |  | [3315-537](#C_3315-537) | urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = RSON |
| observation | 1..1 | SHALL |  | [3315-538](#C_3315-538) | [Determination of Reportability Rule (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.27:2017-04-01](#E_Determination_of_Reportability_Rule) |

1. SHALL contain exactly one [1..1] @classCode="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 STATIC) (CONF:3315-354).
2. SHALL contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 STATIC) (CONF:3315-355).
3. SHALL contain exactly one [1..1] templateId (CONF:3315-347) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.15.2.3.19" (CONF:3315-349).
   2. SHALL contain exactly one [1..1] @extension="2017-04-01" (CONF:3315-350).
4. SHALL contain exactly one [1..1] code (CONF:3315-348).
   1. This code SHALL contain exactly one [1..1] @code="TEMP\_CODE\_DETERMINATION\_OF\_REPORTABILITY" Determination of reportability (CONF:3315-351).
   2. This code SHALL contain exactly one [1..1] @codeSystem="2.16.840.1.114222.4.5.274" (CodeSystem: PHIN VS (CDC Local Coding System) urn:oid:2.16.840.1.114222.4.5.274) (CONF:3315-352).
5. SHALL contain exactly one [1..1] value with @xsi:type="CD", where the code SHALL be selected from ValueSet Determination of Reportability urn:oid:2.16.840.1.113883.10.20.15.2.5.3 STATIC 2017-02-01 (CONF:3315-353).
6. SHOULD contain zero or more [0..\*] entryRelationship (CONF:3315-533) such that it
   1. SHALL contain exactly one [1..1] @typeCode="RSON" Reason (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:3315-535).
   2. SHALL contain exactly one [1..1] [Determination of Reportability Reason](#E_Determination_of_Reportability_Reason) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.26:2017-04-01) (CONF:3315-536).
7. SHOULD contain zero or more [0..\*] entryRelationship (CONF:3315-534) such that it
   1. SHALL contain exactly one [1..1] @typeCode="RSON" Reason (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:3315-537).
   2. SHALL contain exactly one [1..1] [Determination of Reportability Rule](#E_Determination_of_Reportability_Rule) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.27:2017-04-01) (CONF:3315-538).

Figure 26: Determination of Reportability Example

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

<!-- [RR R1S1] Determination of Reportability -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.19" extension="2017-04-01" />

<id root="e39d6ae2-8c6e-4638-9b33-412996586f41" />

<code code="TEMP\_CODE\_DETERMINATION\_OF\_REPORTABILITY"

codeSystem="2.16.840.1.113883.6.1"

codeSystemName="LOINC"

displayName="Determination of reportability" />

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

displayName="Reportable"

codeSystem="2.16.840.1.114222.4.5.274"

codeSystemName="PHIN VS (CDC Local Coding System)" />

<!-- Determination of Reportability Reason -->

<entryRelationship typeCode="RSON">

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

<!-- [RR R1S1] Determination of Reportability Reason -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.26" extension="2017-04-01" />

...

</observation>

</entryRelationship>

<!-- Determination of Reportability Rule -->

<entryRelationship typeCode="RSON">

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

<!-- [RR R1S1] Determination of Reportability Rule -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.27" extension="2017-04-01" />

...

</observation>

</entryRelationship>

</observation>

Determination of Reportability Reason

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.26:2017-04-01 (open)]

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Table 13: Determination of Reportability Reason Contexts

| **Contained By:** | **Contains:** |
| --- | --- |
| [Determination of Reportability](#E_Determination_of_Reportability) (optional) |  |

This template contains the reason for the determination of reportability.

Table 14: Determination of Reportability Reason Constraints Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **XPath** | **Card.** | **Verb** | **Data Type** | **CONF#** | **Value** |
| observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.26:2017-04-01) | | | | | |
| @classCode | 1..1 | SHALL |  | [3315-522](#C_3315-522) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS |
| @moodCode | 1..1 | SHALL |  | [3315-523](#C_3315-523) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN |
| templateId | 1..1 | SHALL |  | [3315-514](#C_3315-514) |  |
| @root | 1..1 | SHALL |  | [3315-517](#C_3315-517) | 2.16.840.1.113883.10.20.15.2.3.26 |
| @extension | 1..1 | SHALL |  | [3315-518](#C_3315-518) | 2017-04-01 |
| code | 1..1 | SHALL |  | [3315-515](#C_3315-515) |  |
| @code | 1..1 | SHALL |  | [3315-519](#C_3315-519) | TEMP\_CODE\_DETERMINATION\_REASON |
| @codeSystem | 1..1 | SHALL |  | [3315-520](#C_3315-520) | urn:oid:2.16.840.1.114222.4.5.274 (PHIN VS (CDC Local Coding System) ) = 2.16.840.1.114222.4.5.274 |
| value | 1..1 | SHALL |  | [3315-521](#C_3315-521) |  |

1. SHALL contain exactly one [1..1] @classCode="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 STATIC) (CONF:3315-522).
2. SHALL contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 STATIC) (CONF:3315-523).
3. SHALL contain exactly one [1..1] templateId (CONF:3315-514) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.15.2.3.26" (CONF:3315-517).
   2. SHALL contain exactly one [1..1] @extension="2017-04-01" (CONF:3315-518).
4. SHALL contain exactly one [1..1] code (CONF:3315-515).
   1. This code SHALL contain exactly one [1..1] @code="TEMP\_CODE\_DETERMINATION\_REASON" Reason (CONF:3315-519).
   2. This code SHALL contain exactly one [1..1] @codeSystem="2.16.840.1.114222.4.5.274" (CodeSystem: PHIN VS (CDC Local Coding System) urn:oid:2.16.840.1.114222.4.5.274) (CONF:3315-520).

If the determination of reportability reason is free text, set @xsi-type="ST".

If there is a code available, set @xsi-type="CD".

See examples for details of the two approaches.

1. SHALL contain exactly one [1..1] value (CONF:3315-521).  
   Note: Determination of reportability reason

Figure 27: Determination of Reportability Reason Example (free-text reason)

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

<!-- [RR R1S1] Determination of Reportability Reason -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.26" extension="2017-04-01" />

<id root="8709a342-56ad-425a-b7b1-76a16c2dd2d5" />

<code code="TEMP\_CODE\_DETERMINATION\_REASON"

codeSystem="2.16.840.1.114222.4.5.274"

codeSystemName="PHIN VS (CDC Local Coding System)"

displayName="Determination of reportability reason" />

<value xsi:type="ST">Missing required eICR data</value>

</observation>

Figure 28: Determination of Reportability Reason Example (coded reason)

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

<!-- [RR R1S1] Determination of Reportability Reason -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.26" extension="2017-04-01" />

<id root="8709a342-56ad-425a-b7b1-76a16c2dd2d5" />

<code code="TEMP\_CODE\_DETERMINATION\_REASON"

codeSystem="2.16.840.1.114222.4.5.274"

codeSystemName="PHIN VS (CDC Local Coding System)"

displayName="Determination of reportability reason" />

<value xsi:type="CD" code="TEMP\_CODE\_MISSING\_REQUIRED\_DATA"

displayName="Missing required eICR data"

codeSystem="2.16.840.1.114222.4.5.274"

codeSystemName="PHIN VS (CDC Local Coding System)" />

</observation>

Determination of Reportability Rule

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.27:2017-04-01 (open)]

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Table 15: Determination of Reportability Rule Contexts

| **Contained By:** | **Contains:** |
| --- | --- |
| [Determination of Reportability](#E_Determination_of_Reportability) (optional) |  |

This template contains a rule that led to the determination of reportability.

Table 16: Determination of Reportability Rule Constraints Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **XPath** | **Card.** | **Verb** | **Data Type** | **CONF#** | **Value** |
| observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.27:2017-04-01) | | | | | |
| @classCode | 1..1 | SHALL |  | [3315-531](#C_3315-531) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS |
| @moodCode | 1..1 | SHALL |  | [3315-532](#C_3315-532) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN |
| templateId | 1..1 | SHALL |  | [3315-524](#C_3315-524) |  |
| @root | 1..1 | SHALL |  | [3315-526](#C_3315-526) | 2.16.840.1.113883.10.20.15.2.3.27 |
| @extension | 1..1 | SHALL |  | [3315-527](#C_3315-527) | 2017-04-01 |
| code | 1..1 | SHALL |  | [3315-525](#C_3315-525) |  |
| @code | 1..1 | SHALL |  | [3315-528](#C_3315-528) | TEMP\_CODE\_DETERMINATION\_RULE |
| @codeSystem | 1..1 | SHALL |  | [3315-529](#C_3315-529) | urn:oid:2.16.840.1.114222.4.5.274 (PHIN VS (CDC Local Coding System) ) = 2.16.840.1.114222.4.5.274 |
| value | 1..1 | SHALL |  | [3315-530](#C_3315-530) |  |

1. SHALL contain exactly one [1..1] @classCode="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 STATIC) (CONF:3315-531).
2. SHALL contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 STATIC) (CONF:3315-532).
3. SHALL contain exactly one [1..1] templateId (CONF:3315-524) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.15.2.3.27" (CONF:3315-526).
   2. SHALL contain exactly one [1..1] @extension="2017-04-01" (CONF:3315-527).
4. SHALL contain exactly one [1..1] code (CONF:3315-525).
   1. This code SHALL contain exactly one [1..1] @code="TEMP\_CODE\_DETERMINATION\_RULE" Determination of reportability rule (CONF:3315-528).
   2. This code SHALL contain exactly one [1..1] @codeSystem="2.16.840.1.114222.4.5.274" (CodeSystem: PHIN VS (CDC Local Coding System) urn:oid:2.16.840.1.114222.4.5.274) (CONF:3315-529).

If the determination of reportability rule is free text, set @xsi-type="ST".

If there is a code available, set @xsi-type="CD".

See examples for details of the two approaches.

1. SHALL contain exactly one [1..1] value (CONF:3315-530).  
   Note: Determination of reportability rule

Figure 29: Determination of Reportability Rule Example (free-text rule)

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

<!-- [RR R1S1] Determination of Reportability Rule -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.27" extension="2017-04-01" />

<id root="f2dfdffb-bccb-4ee4-9b6c-0ae82b15ada6" />

<code code="TEMP\_CODE\_DETERMINATION\_RULE"

codeSystem="2.16.840.1.114222.4.5.274"

codeSystemName="PHIN VS (CDC Local Coding System)"

displayName="Determination of reportability rule" />

<value xsi:type="ST">Description of rule used in reportability determination</value>

</observation>

Figure 30: Determination of Reportability Rule Example (coded rule)

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

<!-- [RR R1S1] Determination of Reportability Rule -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.27" extension="2017-04-01" />

<id root="f2dfdffb-bccb-4ee4-9b6c-0ae82b15ada6" />

<code code="TEMP\_CODE\_DETERMINATION\_RULE"

codeSystem="2.16.840.1.114222.4.5.274"

codeSystemName="PHIN VS (CDC Local Coding System)"

displayName="Determination of reportability rule" />

<value xsi:type="CD" code="CODE\_RULE\_XX"

displayName="Rule XX"

codeSystem="2.16.840.1.114222.4.5.274"

codeSystemName="PHIN VS (CDC Local Coding System)" />

</observation>

eICR Processing Status

[act: identifier urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.29:2017-04-01 (open)]

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Table 17: eICR Processing Status Contexts

| **Contained By:** | **Contains:** |
| --- | --- |
| [Electronic Initial Case Report Section](#S_Electronic_Initial_Case_Report_Section) (required) | [eICR Processing Status Reason](#E_eICR_Processing_Status_Reason) (optional)  [eICR Validation Output](#E_eICR_Validation_Output) (optional) |

This template indicates the eICR CDA document processing status. If the eICR CDA document was not processed or was processed with a warning, the reason will be contained in the eICR Processing Status Reason template. If there is any output from a validator, that output will be contained in the eICR Validation Output template.

If any of the trigger codes used to generate the eICR are from an outdated version of the RCTC or the codes are marked as inactive in the latest version of the RCTC, these are flagged and and the eICR Processing Status Reason Detail template will hold the details of the outdated and expected versions of the RCTC.

Table 18: eICR Processing Status Constraints Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **XPath** | **Card.** | **Verb** | **Data Type** | **CONF#** | **Value** |
| act (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.29:2017-04-01) | | | | | |
| @classCode | 1..1 | SHALL |  | [3315-574](#C_3315-574) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ACT |
| @moodCode | 1..1 | SHALL |  | [3315-575](#C_3315-575) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN |
| templateId | 1..1 | SHALL |  | [3315-568](#C_3315-568) |  |
| @root | 1..1 | SHALL |  | [3315-570](#C_3315-570) | 2.16.840.1.113883.10.20.15.2.3.29 |
| @extension | 1..1 | SHALL |  | [3315-571](#C_3315-571) | 2017-04-01 |
| code | 1..1 | SHALL |  | [3315-569](#C_3315-569) | urn:oid:2.16.840.1.113883.10.20.15.2.5.8 (eICR Processing Status) |
| entryRelationship | 0..\* | MAY |  | [3315-598](#C_3315-598) |  |
| @typeCode | 1..1 | SHALL |  | [3315-599](#C_3315-599) | urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = RSON |
| observation | 1..1 | SHALL |  | [3315-600](#C_3315-600) | [eICR Processing Status Reason (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.21:2017-04-01](#E_eICR_Processing_Status_Reason) |
| entryRelationship | 0..\* | MAY |  | [3315-728](#C_3315-728) |  |
| @typeCode | 1..1 | SHALL |  | [3315-730](#C_3315-730) | urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = SPRT |
| observation | 1..1 | SHALL |  | [3315-729](#C_3315-729) | [eICR Validation Output (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.33:2017-04-01](#E_eICR_Validation_Output) |

1. SHALL contain exactly one [1..1] @classCode="ACT" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:3315-574).
2. SHALL contain exactly one [1..1] @moodCode="EVN" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:3315-575).
3. SHALL contain exactly one [1..1] templateId (CONF:3315-568) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.15.2.3.29" (CONF:3315-570).
   2. SHALL contain exactly one [1..1] @extension="2017-04-01" (CONF:3315-571).
4. SHALL contain exactly one [1..1] code, which SHALL be selected from ValueSet eICR Processing Status urn:oid:2.16.840.1.113883.10.20.15.2.5.8 STATIC 2017-02-01 (CONF:3315-569).
5. MAY contain zero or more [0..\*] entryRelationship (CONF:3315-598) such that it
   1. SHALL contain exactly one [1..1] @typeCode="RSON" Reason (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:3315-599).
   2. SHALL contain exactly one [1..1] [eICR Processing Status Reason](#E_eICR_Processing_Status_Reason) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.21:2017-04-01) (CONF:3315-600).
6. MAY contain zero or more [0..\*] entryRelationship (CONF:3315-728) such that it
   1. SHALL contain exactly one [1..1] @typeCode="SPRT" Has support (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:3315-730).
   2. SHALL contain exactly one [1..1] [eICR Validation Output](#E_eICR_Validation_Output) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.33:2017-04-01) (CONF:3315-729).
7. The eICR Processing Reason **SHALL** be present if the eICR CDA document was either not processed or was processed with a warning and **SHALL NOT** be present if the eICR CDA document was processed with no warnings or errors (CONF:3315-670).

Figure 31: eICR Processing Status (Error) Example

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

<!-- [RR R1S1] eICR Processing Status -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.29" extension="2017-04-01" />

<id root="39d966b9-8a3a-4024-93d8-138e97d5898a" />

<code code="TEMP\_CODE\_NOT\_PROCESSED\_ERROR"

displayName="eICR was not processed - error"

codeSystem="2.16.840.1.114222.4.5.274"

codeSystemName="PHIN VS (CDC Local Coding System)" />

<!-- eICR Processing Reason-->

<entryRelationship typeCode="RSON">

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

<!-- [RR R1S1] eICR Processing Reason -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.21" extension="2017-04-01" />

...

</observation>

</entryRelationship>

</act>

Figure 32: eICR Processing Status (Warning) Example

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

<!-- [RR R1S1] eICR Processing Status -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.29" extension="2017-04-01" />

<id root="39d966b9-8a3a-4024-93d8-138e97d5898a" />

<code code="TEMP\_CODE\_PROCESSED\_WARNING"

displayName="eICR was processed - with a warning"

codeSystem="2.16.840.1.114222.4.5.274"

codeSystemName="PHIN VS (CDC Local Coding System)" />

<!-- eICR Processing Reason-->

<entryRelationship typeCode="RSON">

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

<!-- [RR R1S1] eICR Processing Reason -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.21" extension="2017-04-01" />

...

</observation>

</entryRelationship>

<!-- eICR Validation Output -->

<entryRelationship typeCode="SPRT">

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

<!-- [RR R1S1] eICR Validation Output -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.33" extension="2017-04-01" />

...

</observation>

</entryRelationship>

</act>

Figure 33: eICR Processing Status (Processed) Example

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

<!-- [RR R1S1] eICR Processing Status -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.29" extension="2017-04-01" />

<id root="39d966b9-8a3a-4024-93d8-138e97d5898a" />

<code code="TEMP\_CODE\_PROCESSED"

displayName="eICR processed"

codeSystem="2.16.840.1.114222.4.5.274"

codeSystemName="PHIN VS (CDC Local Coding System)" />

</act>

eICR Processing Status Reason

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.21:2017-04-01 (open)]

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Table 19: eICR Processing Status Reason Contexts

| **Contained By:** | **Contains:** |
| --- | --- |
| [eICR Processing Status](#E_eICR_Processing_Status) (optional) | [eICR Processing Status Reason Detail](#E_eICR_Processing_Status_Reason_Detail) (optional) |

If the incoming eICR was not successfully processed for reportability determination by public health, this template contain the reason it was not processed. If public health identifies any issue with the eICR, but is still able to process the file, this template will contain the issues as warnings. If there are further details about the error or warning, these details will be recorded in the contained eICR Processing Status Reason Details template.

Table 20: eICR Processing Status Reason Constraints Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **XPath** | **Card.** | **Verb** | **Data Type** | **CONF#** | **Value** |
| observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.21:2017-04-01) | | | | | |
| @classCode | 1..1 | SHALL |  | [3315-475](#C_3315-475) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS |
| @moodCode | 1..1 | SHALL |  | [3315-476](#C_3315-476) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN |
| templateId | 1..1 | SHALL |  | [3315-468](#C_3315-468) |  |
| @root | 1..1 | SHALL |  | [3315-470](#C_3315-470) | 2.16.840.1.113883.10.20.15.2.3.21 |
| @extension | 1..1 | SHALL |  | [3315-471](#C_3315-471) | 2017-04-01 |
| code | 1..1 | SHALL |  | [3315-469](#C_3315-469) |  |
| @code | 1..1 | SHALL |  | [3315-472](#C_3315-472) | TEMP\_CODE\_EICR\_PROCESSING\_REASON |
| @codeSystem | 1..1 | SHALL |  | [3315-473](#C_3315-473) | urn:oid:2.16.840.1.114222.4.5.274 (PHIN VS (CDC Local Coding System) ) = 2.16.840.1.114222.4.5.274 |
| value | 1..1 | SHALL |  | [3315-474](#C_3315-474) | urn:oid:2.16.840.1.113883.10.20.15.2.5.7 (eICR Processing Status Reason) |
| entryRelationship | 0..\* | MAY |  | [3315-667](#C_3315-667) |  |
| @typeCode | 1..1 | SHALL |  | [3315-668](#C_3315-668) | urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = RSON |
| observation | 1..1 | SHALL |  | [3315-669](#C_3315-669) | [eICR Processing Status Reason Detail (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.32:2017-04-01](#E_eICR_Processing_Status_Reason_Detail) |

1. SHALL contain exactly one [1..1] @classCode="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 STATIC) (CONF:3315-475).
2. SHALL contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 STATIC) (CONF:3315-476).
3. SHALL contain exactly one [1..1] templateId (CONF:3315-468) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.15.2.3.21" (CONF:3315-470).
   2. SHALL contain exactly one [1..1] @extension="2017-04-01" (CONF:3315-471).
4. SHALL contain exactly one [1..1] code (CONF:3315-469).
   1. This code SHALL contain exactly one [1..1] @code="TEMP\_CODE\_EICR\_PROCESSING\_REASON" eICR processing reason (CONF:3315-472).
   2. This code SHALL contain exactly one [1..1] @codeSystem="2.16.840.1.114222.4.5.274" (CodeSystem: PHIN VS (CDC Local Coding System) urn:oid:2.16.840.1.114222.4.5.274) (CONF:3315-473).
5. SHALL contain exactly one [1..1] value, which SHALL be selected from ValueSet eICR Processing Status Reason urn:oid:2.16.840.1.113883.10.20.15.2.5.7 DYNAMIC (CONF:3315-474).

Further details about the eICR processing status warnings or errors.

1. MAY contain zero or more [0..\*] entryRelationship (CONF:3315-667).
   1. The entryRelationship, if present, SHALL contain exactly one [1..1] @typeCode="RSON" Has reason (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:3315-668).
   2. The entryRelationship, if present, SHALL contain exactly one [1..1] [eICR Processing Status Reason Detail](#E_eICR_Processing_Status_Reason_Detail) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.32:2017-04-01) (CONF:3315-669).

Figure 34: eICR Processing Status Reason Example

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

<!-- [RR R1S1] eICR Processing Status Reason -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.21" extension="2017-04-01" />

<id root="e39d6ae2-8c6e-4638-9b33-412996586f42" />

<code code="TEMP\_CODE\_EICR\_PROCESSING\_REASON"

codeSystem="2.16.840.1.114222.4.5.274"

codeSystemName="PHIN VS (CDC Local Coding System)"

displayName="eICR processing reason" />

<value xsi:type="CD" code="TEMP\_CODE\_EICR\_FATAL"

displayName="eICR was not processed due to an error of: fatal problem with the eICR that was received"

codeSystem="2.16.840.1.114222.4.5.274"

codeSystemName="PHIN VS (CDC Local Coding System)" />

</observation>

eICR Processing Status Reason Detail

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.32:2017-04-01 (open)]

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Table 21: eICR Processing Status Reason Detail Contexts

| **Contained By:** | **Contains:** |
| --- | --- |
| [eICR Processing Status Reason](#E_eICR_Processing_Status_Reason) (optional) |  |

This template contains further details about eICR processing status warnings or errors.

Table 22: eICR Processing Status Reason Detail Constraints Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **XPath** | **Card.** | **Verb** | **Data Type** | **CONF#** | **Value** |
| observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.32:2017-04-01) | | | | | |
| @classCode | 1..1 | SHALL |  | [3315-665](#C_3315-665) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS |
| @moodCode | 1..1 | SHALL |  | [3315-666](#C_3315-666) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN |
| templateId | 1..1 | SHALL |  | [3315-658](#C_3315-658) |  |
| @root | 1..1 | SHALL |  | [3315-660](#C_3315-660) | 2.16.840.1.113883.10.20.15.2.3.32 |
| @extension | 1..1 | SHALL |  | [3315-661](#C_3315-661) | 2017-04-01 |
| code | 1..1 | SHALL |  | [3315-659](#C_3315-659) | urn:oid:2.16.840.1.113883.10.20.15.2.3.32 (eICR Processing Status Reason Detail Type) |
| value | 1..1 | SHALL |  | [3315-664](#C_3315-664) |  |

1. SHALL contain exactly one [1..1] @classCode="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 STATIC) (CONF:3315-665).
2. SHALL contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 STATIC) (CONF:3315-666).
3. SHALL contain exactly one [1..1] templateId (CONF:3315-658) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.15.2.3.32" (CONF:3315-660).
   2. SHALL contain exactly one [1..1] @extension="2017-04-01" (CONF:3315-661).
4. SHALL contain exactly one [1..1] code, which SHOULD be selected from ValueSet eICR Processing Status Reason Detail Type urn:oid:2.16.840.1.113883.10.20.15.2.3.32 DYNAMIC (CONF:3315-659).

The value element has not been constrained to any one data type to allow for different values such as strings or codes.

1. SHALL contain exactly one [1..1] value (CONF:3315-664).

Figure 35: eICR Processing Status Reason Detail

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

<!-- [RR R1S1] eICR Processing Status Reason Detail -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.32" extension="2017-04-01" />

<id root="9d093f9f-a19f-42d3-b130-c0843ed7a72f" />

<code code="TEMP\_CODE\_EXPECTED\_RCTC\_VERSION\_DETAIL"

displayName="Expected RCTC Version Detail"

codeSystem="2.16.840.1.114222.4.5.274"

codeSystemName="PHIN VS (CDC Local Coding System)" />

<value xsi:type="ST">19/05/2016</value>

</observation>

eICR Validation Output

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.33:2017-04-01 (open)]

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Table 23: eICR Validation Output Contexts

| **Contained By:** | **Contains:** |
| --- | --- |
| [eICR Processing Status](#E_eICR_Processing_Status) (optional) |  |

This template contains eICR validation output - this could be the actual output from a validator, or a link to a validation output file.

Table 24: eICR Validation Output Constraints Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **XPath** | **Card.** | **Verb** | **Data Type** | **CONF#** | **Value** |
| observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.33:2017-04-01) | | | | | |
| @classCode | 1..1 | SHALL |  | [3315-719](#C_3315-719) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS |
| @moodCode | 1..1 | SHALL |  | [3315-720](#C_3315-720) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN |
| templateId | 1..1 | SHALL |  | [3315-718](#C_3315-718) |  |
| @root | 1..1 | SHALL |  | [3315-721](#C_3315-721) | 2.16.840.1.113883.10.20.15.2.3.33 |
| @extension | 1..1 | SHALL |  | [3315-722](#C_3315-722) | 2017-04-01 |
| code | 1..1 | SHALL |  | [3315-723](#C_3315-723) |  |
| @code | 1..1 | SHALL |  | [3315-724](#C_3315-724) | TEMP\_CODE\_VALIDATION\_OUTPUT |
| @codeSystem | 0..1 | MAY |  | [3315-725](#C_3315-725) | urn:oid:2.16.840.1.114222.4.5.274 (PHIN VS (CDC Local Coding System) ) = 2.16.840.1.114222.4.5.274 |
| value | 1..1 | SHALL | ED | [3315-726](#C_3315-726) |  |
| reference | 0..1 | MAY |  | [3315-727](#C_3315-727) |  |

1. SHALL contain exactly one [1..1] @classCode="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:3315-719).
2. SHALL contain exactly one [1..1] @moodCode="EVN" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:3315-720).
3. SHALL contain exactly one [1..1] templateId (CONF:3315-718) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.15.2.3.33" (CONF:3315-721).
   2. SHALL contain exactly one [1..1] @extension="2017-04-01" (CONF:3315-722).
4. SHALL contain exactly one [1..1] code (CONF:3315-723).
   1. This code SHALL contain exactly one [1..1] @code="TEMP\_CODE\_VALIDATION\_OUTPUT" eICR Validation Output (CONF:3315-724).
   2. This code MAY contain zero or one [0..1] @codeSystem="2.16.840.1.114222.4.5.274" (CodeSystem: PHIN VS (CDC Local Coding System) urn:oid:2.16.840.1.114222.4.5.274) (CONF:3315-725).

Could be the actual output from a validator, or a link to a validation output file.

1. SHALL contain exactly one [1..1] value with @xsi:type="ED" (CONF:3315-726).
   1. This value MAY contain zero or one [0..1] reference (CONF:3315-727).

Figure 36: eICR Validation Output Example

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

<!-- [RR R1S1] eICR Validation Output -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.33" extension="2017-04-01" />

<id root="80f7b4ff-4d96-46ef-ae8f-af1f9c1f206e" />

<code code="TEMP\_CODE\_VALIDATION\_OUTPUT"

displayName="eICR Validation Output"

codeSystem="2.16.840.1.114222.4.5.274"

codeSystemName="PHIN VS (CDC Local Coding System)" />

<!-- Validation Output - this could be the actual output from a validator,

or a link to a validation output file -->

<value xsi:type="ED" mediaType="text/xhtml">

<html xmlns="http://www.w3.org/1999/xhtml" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<head>

<title> Results </title>

<style type="text/css"> </style>

</head>

<body>

<table>

<thead>

<tr>

<th>Severity</th>

<th>Description</th>

<th>File</th>

<th>Location</th>

</tr>

</thead>

<tbody>

<tr>

<td>error</td>

<td>SHOULD contain zero or one [0..1] setId (CONF:1098-32752).</td>

<td>CDAR2\_IG\_PHCR\_R2\_RR\_D1\_2017OCT\_SAMPLE.xml</td>

<td>

<p>Start line 415:70</p>

</td>

</tr>

<tr>

<td>error</td>

<td>SHOULD contain zero or one [0..1] versionNumber (CONF:1098-32753).</td>

<td>CDAR2\_IG\_PHCR\_R2\_RR\_D1\_2017OCT\_SAMPLE.xml</td>

<td>

<p>Start line 415:70</p>

</td>

</tr>

</tbody>

</table>

</body>

</html>

</value>

</observation>

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 25: 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 37: 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)]

Draft as part of Reportability Response (US Realm) Release 1 STU Release 1.0

Table 26: eICR External Document Reference Contexts

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

This template is a reference to the eICR CDA document for which this Reportability Response CDA document is a response. It contains the unique id, the setId and the versionNumber of the eICR CDA document.

Table 27: 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 |
| id | 1..1 | SHALL |  | [3315-433](#C_3315-433) |  |
| 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 |
| setId | 1..1 | SHALL |  | [3315-737](#C_3315-737) |  |
| versionNumber | 1..1 | SHALL |  | [3315-738](#C_3315-738) |  |

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] id (CONF:3315-433).  
   Note: eICR CDA Document ID (ClinicalDocument/id)
6. 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).
7. SHALL contain exactly one [1..1] setId (CONF:3315-737).
8. SHALL contain exactly one [1..1] versionNumber (CONF:3315-738).

Figure 38: 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)" />

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

<versionNumber value="1" />

</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 28: External Reference Contexts

| **Contained By:** | **Contains:** |
| --- | --- |
| [External Resources](#E_External_Resources) (required) |  |

This template contains an external reference.

Table 29: 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) |  |
| text | 0..1 | SHOULD |  | [3315-273](#C_3315-273) |  |
| reference | 1..1 | SHALL |  | [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).
6. SHOULD contain zero or one [0..1] text (CONF:3315-273).
   1. The text, if present, SHALL contain exactly one [1..1] reference (CONF:3315-280).

Figure 39: External Reference Example

<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" />

<id root="ec84fae2-d76f-4a91-9efb-4761e5d4267d" />

<code nullFlavor="OTH">

<!-- The originalText/reference/@value is id/@root prefixed with "#ref\_"

and points up into the narrative -->

<originalText mediaType="text/x-hl7-text+xml">

<reference value="#ref\_ec84fae2-d76f-4a91-9efb-4761e5d4267d" />

</originalText>

</code>

<text mediaType="text/html">

<reference value="https://www.colorado.gov/pacific/sites/default/files/DC\_ComDis-Disease-Reporting\_Form.pdf" />

</text>

</externalDocument>

External Resources

[act: identifier urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.20:2017-04-01 (open)]

Draft as part of Reportability Response (US Realm) Release 1 STU Release 1.0

Table 30: External Resources Contexts

| **Contained By:** | **Contains:** |
| --- | --- |
| [Relevant Reportable Condition Observation](#E_Relevant_Reportable_Condition_Observa) (optional)  [Reportability Information Organizer](#E_Reportability_Information_Organizer) (optional) | [External Reference](#E_External_Reference) (required) |

This act represents one or more external resources such as a link to access forms for additional reporting needs, additional testing and/or laboratory testing needs, treatment and/or prevention resources, Public Health Agency contact information and general additional resources.

The type/category of the resource is contained in code and the priority placed on the reference is represented by priorityCode.

One or more contained External Reference templates are used to specify the reference and its textual description.

Table 31: External Resources Constraints Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **XPath** | **Card.** | **Verb** | **Data Type** | **CONF#** | **Value** |
| act (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.20:2017-04-01) | | | | | |
| @classCode | 1..1 | SHALL |  | [3315-448](#C_3315-448) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ACT |
| @moodCode | 1..1 | SHALL |  | [3315-449](#C_3315-449) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN |
| templateId | 1..1 | SHALL |  | [3315-435](#C_3315-435) |  |
| @root | 1..1 | SHALL |  | [3315-440](#C_3315-440) | 2.16.840.1.113883.10.20.15.2.3.20 |
| @extension | 1..1 | SHALL |  | [3315-450](#C_3315-450) | 2017-04-01 |
| id | 1..1 | SHALL |  | [3315-597](#C_3315-597) |  |
| code | 1..1 | SHALL |  | [3315-436](#C_3315-436) | urn:oid:2.16.840.1.113883.10.20.15.2.5.4 (External Resource Type) |
| priorityCode | 1..1 | SHALL |  | [3315-454](#C_3315-454) |  |
| @nullFlavor | 0..0 | SHALL NOT |  | [3315-626](#C_3315-626) |  |
| @code | 1..1 | SHALL |  | [3315-627](#C_3315-627) | urn:oid:2.16.840.1.113883.10.20.15.2.5.5 (Reportability Priority) |
| reference | 1..\* | SHALL |  | [3315-438](#C_3315-438) |  |
| @typeCode | 1..1 | SHALL |  | [3315-444](#C_3315-444) | urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR |
| externalDocument | 1..1 | SHALL |  | [3315-451](#C_3315-451) | [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="ACT" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:3315-448).
2. SHALL contain exactly one [1..1] @moodCode="EVN" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:3315-449).
3. SHALL contain exactly one [1..1] templateId (CONF:3315-435) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.15.2.3.20" (CONF:3315-440).
   2. SHALL contain exactly one [1..1] @extension="2017-04-01" (CONF:3315-450).
4. SHALL contain exactly one [1..1] id (CONF:3315-597).
5. SHALL contain exactly one [1..1] code, which SHALL be selected from ValueSet External Resource Type urn:oid:2.16.840.1.113883.10.20.15.2.5.4 DYNAMIC (CONF:3315-436).  
   Note: Type/Category of the external resource
6. SHALL contain exactly one [1..1] priorityCode (CONF:3315-454).  
   Note: Priority
   1. This priorityCode SHALL NOT contain [0..0] @nullFlavor (CONF:3315-626).
   2. This priorityCode SHALL contain exactly one [1..1] @code, which SHALL be selected from ValueSet Reportability Priority urn:oid:2.16.840.1.113883.10.20.15.2.5.5 DYNAMIC (CONF:3315-627).
7. SHALL contain at least one [1..\*] reference (CONF:3315-438).
   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:3315-444).
   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:3315-451).

Figure 40: External Resources Example

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

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

<templateId root="2.16.840.1.113883.10.20.15.2.3.20" extension="2017-04-01" />

<id root="6e58ab9d-f3c9-4f87-8ddb-2bda4133ceef" />

<code code="TEMP\_CODE\_TREAT\_PREVENT"

displayName="Treatment and/or prevention"

codeSystem="2.16.840.1.114222.4.5.274"

codeSystemName="PHIN VS (CDC Local Coding System)" />

<priorityCode code="TEMP\_CODE\_ACTION\_REQUIRED"

displayName="Action required"

codeSystem="2.16.840.1.114222.4.5.274"

codeSystemName="PHIN VS (CDC Local Coding System)" />

<reference typeCode="REFR">

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

<!-- [RR R1 STU1] 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 R1 STU1] External Reference -->

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

...

</externalDocument>

</reference>

...

</act>

Instruction (V2)

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

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

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 32: 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 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 41: 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 Subject

[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 (US Realm) Release 1 STU Release 1.0

Table 33: Reportability Response Subject Contexts

| **Contained By:** | **Contains:** |
| --- | --- |
| [Reportability Response Subject Section](#S_Reportability_Response_Subject_Sectio) (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.

Table 34: Reportability Response Subject 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).

This element contains a pointer up into its corresponding narrative (display portion of the CDA) in order to give direction about rendering characteristics to be added to plain text to allow for better human readability.

* + 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 42: Reportability Response Subject 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 Subject -->

<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)]

Draft as part of Reportability Response (US Realm) Release 1 STU Release 1.0

Table 35: Reportability Response Summary Contexts

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

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

Table 36: 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 | 1..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).

This element contains a pointer up into its corresponding narrative (display portion of the CDA) in order to give direction about rendering characteristics to be added to plain text to allow for better human readability.

* + 1. This reference SHALL contain exactly one [1..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 43: 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>

Manually Initiated eICR

[act: identifier urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.22:2017-04-01 (open)]

Draft as part of Reportability Response (US Realm) Release 1 STU Release 1.0

Table 37: Manually Initiated eICR Contexts

| **Contained By:** | **Contains:** |
| --- | --- |
| [Electronic Initial Case Report Section](#S_Electronic_Initial_Case_Report_Section) (optional) |  |

When this template is present, it indicates that the eICR CDA document for which this Reportability Response CDA document is a response, was not generated due to the existence of an RCTC trigger code. Instead it was manually initiated by the provider.

Table 38: Manually Initiated eICR Constraints Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **XPath** | **Card.** | **Verb** | **Data Type** | **CONF#** | **Value** |
| act (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.22:2017-04-01) | | | | | |
| @classCode | 1..1 | SHALL |  | [3315-462](#C_3315-462) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ACT |
| @moodCode | 1..1 | SHALL |  | [3315-463](#C_3315-463) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN |
| templateId | 1..1 | SHALL |  | [3315-456](#C_3315-456) |  |
| @root | 1..1 | SHALL |  | [3315-458](#C_3315-458) | 2.16.840.1.113883.10.20.15.2.3.22 |
| @extension | 1..1 | SHALL |  | [3315-459](#C_3315-459) | 2017-04-01 |
| code | 1..1 | SHALL |  | [3315-460](#C_3315-460) |  |
| @code | 1..1 | SHALL |  | [3315-464](#C_3315-464) | PHC1464 |
| @codeSystem | 1..1 | SHALL |  | [3315-465](#C_3315-465) | urn:oid:2.16.840.1.114222.4.5.274 (PHIN VS (CDC Local Coding System) ) = 2.16.840.1.114222.4.5.274 |

1. SHALL contain exactly one [1..1] @classCode="ACT" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:3315-462).
2. SHALL contain exactly one [1..1] @moodCode="EVN" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:3315-463).
3. SHALL contain exactly one [1..1] templateId (CONF:3315-456) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.15.2.3.22" (CONF:3315-458).
   2. SHALL contain exactly one [1..1] @extension="2017-04-01" (CONF:3315-459).
4. SHALL contain exactly one [1..1] code (CONF:3315-460).
   1. This code SHALL contain exactly one [1..1] @code="PHC1464" Manually Initiated eICR (CONF:3315-464).
   2. This code SHALL contain exactly one [1..1] @codeSystem="2.16.840.1.114222.4.5.274" (CodeSystem: PHIN VS (CDC Local Coding System) urn:oid:2.16.840.1.114222.4.5.274) (CONF:3315-465).

Figure 44: Manually Initiated eICR Example

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

<!-- [RR R1S1] Manually Initiated eICR -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.22" extension="2017-04-01" />

<id root="39d966b9-8a3a-4024-93d8-138e97d58986" />

<code code="PHC1464"

displayName="Manually Initiated eICR"

codeSystem="2.16.840.1.114222.4.5.274"

codeSystemName="PHIN VS (CDC Local Coding System)" />

</act>

Received eICR Information

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

Draft as part of Reportability Response (US Realm) Release 1 STU Release 1.0

Table 39: 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) (required) |

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

Table 40: 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) = EVN |
| 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:2.16.840.1.114222.4.5.274 (PHIN VS (CDC Local Coding System) ) = 2.16.840.1.114222.4.5.274 |
| text | 0..1 | SHOULD | ST | [3315-431](#C_3315-431) |  |
| effectiveTime | 1..1 | SHALL |  | [3315-432](#C_3315-432) |  |
| 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="EVN" Event (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="2.16.840.1.114222.4.5.274" (CodeSystem: PHIN VS (CDC Local Coding System) urn:oid:2.16.840.1.114222.4.5.274) (CONF:3315-188).

The filename is recommended primarily for dealing with eICR error cases. In the case where an eICR document is unreadable for some reason, it is likely that the setId and versionNumber would be unavailable, and it is possible that the only identifying information is the eICR CDA XML document filename.

1. SHOULD contain zero or one [0..1] text (CONF:3315-431).  
   Note: Filename of eICR
2. SHALL contain exactly one [1..1] effectiveTime (CONF:3315-432).  
   Note: Date and time of eICR Receipt
3. SHALL contain exactly one [1..1] reference (CONF:3315-190).  
   Note: Reference to eICR CDA Document
   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 45: Received eICR Information Example

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

<!-- [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="2.16.840.1.114222.4.5.274"

codeSystemName="PHIN VS (CDC Local Coding System)"

displayName="Received eICR Information" />

<!-- The filename is recommended primarily for dealing with eICR error cases.

In the case where an eICR document is unreadable for some reason,

it is likely that the setId and versionNumber would be unavailable,

and it is possible that the only identifying information is the

eICR CDA XML document filename. -->

<text xsi:type="ST">eICR\_Filename.xml</text>

<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>

Relevant Reportable Condition Observation

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

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Table 41: Relevant Reportable Condition Observation Contexts

| **Contained By:** | **Contains:** |
| --- | --- |
| [Reportability Response Coded Information Organizer](#E_Reportability_Response_Coded_Informat) (required) | [Reportability Information Organizer](#E_Reportability_Information_Organizer) (required)  [External Resources](#E_External_Resources) (optional) |

This template represents a relevant reportable condition. It contains one (if both the patient's home and the provider location have the same responsible agency) or more (if the patient's home and provider location have different responsible agencies) Reportability Information Organizers. It may also contain external resources specific to the condition.

Table 42: Relevant Reportable Condition Observation Constraints Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **XPath** | **Card.** | **Verb** | **Data Type** | **CONF#** | **Value** |
| observation (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) = OBS |
| @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 |
| code | 1..1 | SHALL |  | [3315-434](#C_3315-434) |  |
| @code | 1..1 | SHALL |  | [3315-554](#C_3315-554) | 64572001 |
| @codeSystem | 1..1 | SHALL |  | [3315-555](#C_3315-555) | urn:oid:2.16.840.1.113883.6.96 (SNOMED CT) = 2.16.840.1.113883.6.96 |
| translation | 1..1 | SHALL |  | [3315-553](#C_3315-553) |  |
| @code | 1..1 | SHALL |  | [3315-556](#C_3315-556) | 75323-6 |
| @codeSystem | 1..1 | SHALL |  | [3315-557](#C_3315-557) | urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1 |
| value | 1..1 | SHALL | CD | [3315-552](#C_3315-552) | urn:oid:2.16.840.1.113883.6.96 (SNOMED CT) |
| @nullFlavor | 0..1 | MAY |  | [3315-731](#C_3315-731) |  |
| @code | 0..1 | SHOULD |  | [3315-732](#C_3315-732) |  |
| @codeSystem | 0..1 | SHOULD |  | [3315-733](#C_3315-733) |  |
| @displayName | 0..1 | SHOULD |  | [3315-734](#C_3315-734) |  |
| originalText | 0..1 | MAY |  | [3315-735](#C_3315-735) |  |
| entryRelationship | 1..\* | SHALL |  | [3315-548](#C_3315-548) |  |
| organizer | 1..1 | SHALL |  | [3315-550](#C_3315-550) | [Reportability Information Organizer (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.13:2017-04-01](#E_Reportability_Information_Organizer) |
| entryRelationship | 0..\* | MAY |  | [3315-549](#C_3315-549) |  |
| act | 1..1 | SHALL |  | [3315-551](#C_3315-551) | [External Resources (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.20:2017-04-01](#E_External_Resources) |

1. SHALL contain exactly one [1..1] @classCode="OBS" Observation (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] code (CONF:3315-434).
   1. This code SHALL contain exactly one [1..1] @code="64572001" Condition (CONF:3315-554).
   2. This code SHALL contain exactly one [1..1] @codeSystem="2.16.840.1.113883.6.96" (CodeSystem: SNOMED CT urn:oid:2.16.840.1.113883.6.96) (CONF:3315-555).
   3. This code SHALL contain exactly one [1..1] translation (CONF:3315-553).
      1. This translation SHALL contain exactly one [1..1] @code="75323-6" Condition (CONF:3315-556).
      2. This translation 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:3315-557).
5. SHALL contain exactly one [1..1] value with @xsi:type="CD", where the code SHALL be selected from CodeSystem SNOMED CT (urn:oid:2.16.840.1.113883.6.96) DYNAMIC (CONF:3315-552).

Set nullFlavor='NA" when the eICR is manually initiated or no reportable condition has been identified (e.g. when there is no rule met).  
Set nullFlavor="OTH

* 1. This value MAY contain zero or one [0..1] @nullFlavor (CONF:3315-731).
  2. This value SHOULD contain zero or one [0..1] @code (CONF:3315-732).
  3. This value SHOULD contain zero or one [0..1] @codeSystem (CONF:3315-733).
  4. This value SHOULD contain zero or one [0..1] @displayName (CONF:3315-734).
  5. This value MAY contain zero or one [0..1] originalText (CONF:3315-735).
  6. If @code is present then @codeSystem and @displayName must both be present (CONF:3315-736).

1. SHALL contain at least one [1..\*] entryRelationship (CONF:3315-548) such that it
   1. SHALL contain exactly one [1..1] [Reportability Information Organizer](#E_Reportability_Information_Organizer) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.13:2017-04-01) (CONF:3315-550).
2. MAY contain zero or more [0..\*] entryRelationship (CONF:3315-549) such that it
   1. SHALL contain exactly one [1..1] [External Resources](#E_External_Resources) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.20:2017-04-01) (CONF:3315-551).

Figure 46: Relevant Reportable Condition Observation Example

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

<!-- [RR R1S1] Relevant Reportable Condition Observation -->

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

<id root="a054d401-7b23-4b15-bc28-c889c156ba6a" />

<code code="64572001"

codeSystem="2.16.840.1.113883.6.96"

codeSystemName="SNOMED"

displayName="Condition">

<translation code="75323-6"

codeSystem="2.16.840.1.113883.6.1"

codeSystemName="LOINC"

displayName="Condition" />

</code>

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

<value xsi:type="CD" code="3928002"

codeSystem="2.16.840.1.113883.6.96"

codeSystemName="SNOMED CT"

displayName="Zika virus disease (disorder)" />

<!-- Relevant Location Reporting Information Organizer: Both Home and Provider -->

<entryRelationship typeCode="COMP">

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

<!-- [RR R1S1] Relevant Location Reporting Information Organizer: Both Home and Provider -->

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

...

</organizer>

</entryRelationship>

</observation>

Reportability 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 43: Reportability Information Organizer Contexts

| **Contained By:** | **Contains:** |
| --- | --- |
| [Relevant Reportable Condition Observation](#E_Relevant_Reportable_Condition_Observa) (required) | [Reporting Timeframe](#E_Reporting_Timeframe) (optional)  [Determination of Reportability](#E_Determination_of_Reportability) (required)  [Routing Entity](#U_Routing_Entity) (required)  [Responsible Agency](#U_Responsible_Agency) (optional)  [Rules Authoring Agency](#U_Rules_Authoring_Agency) (required)  [External Resources](#E_External_Resources) (optional) |

This template represents reportability information based on the PHA in which is located the patient's home, the provider facility, or both locations.

The organizer contains the Responsible Agency participant, the Rules Authoring Agency participant, and the Routing Entity participant.

Also contained in this template are the Determination of Reportability, Reporting Timeframe, and External Resources templates.

Table 44: Reportability 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 |  | [3315-581](#C_3315-581) | urn:oid:2.16.840.1.113883.10.20.15.2.5.6 (Location Relevance) |
| 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 | 0..\* | SHOULD |  | [3315-338](#C_3315-338) | [Responsible Agency (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.4.2:2017-04-01](#U_Responsible_Agency) |
| participant | 1..\* | SHALL |  | [3315-429](#C_3315-429) | [Rules Authoring Agency (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.4.3:2017-04-01](#U_Rules_Authoring_Agency) |
| participant | 1..\* | SHALL |  | [3315-543](#C_3315-543) | [Routing Entity (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.4.1:2017-04-01](#U_Routing_Entity) |
| component | 1..1 | SHALL |  | [3315-238](#C_3315-238) |  |
| observation | 1..1 | SHALL |  | [3315-329](#C_3315-329) | [Determination of Reportability (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.19:2017-04-01](#E_Determination_of_Reportability) |
| component | 0..1 | SHOULD |  | [3315-326](#C_3315-326) |  |
| observation | 1..1 | SHALL |  | [3315-330](#C_3315-330) | [Reporting Timeframe (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.14:2017-04-01](#E_Reporting_Timeframe) |
| component | 0..\* | SHOULD |  | [3315-328](#C_3315-328) |  |
| act | 1..1 | SHALL |  | [3315-453](#C_3315-453) | [External Resources (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.20:2017-04-01](#E_External_Resources) |

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 SHALL be selected from ValueSet Location Relevance urn:oid:2.16.840.1.113883.10.20.15.2.5.6 DYNAMIC (CONF:3315-581).
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 responsible agency.

1. SHOULD contain zero or more [0..\*] [Responsible Agency](#U_Responsible_Agency) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.4.2:2017-04-01) (CONF:3315-338).

The following participant contains information about the rules authoring agency.

1. SHALL contain at least one [1..\*] [Rules Authoring Agency](#U_Rules_Authoring_Agency) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.4.3:2017-04-01) (CONF:3315-429).

The following participant contains information about the routing entity.

1. SHALL contain at least one [1..\*] [Routing Entity](#U_Routing_Entity) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.4.1:2017-04-01) (CONF:3315-543).
2. SHALL contain exactly one [1..1] component (CONF:3315-238) such that it
   1. SHALL contain exactly one [1..1] [Determination of Reportability](#E_Determination_of_Reportability) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.19:2017-04-01) (CONF:3315-329).
3. SHOULD contain zero or one [0..1] component (CONF:3315-326) 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:3315-330).
4. SHOULD contain zero or more [0..\*] component (CONF:3315-328) such that it
   1. SHALL contain exactly one [1..1] [External Resources](#E_External_Resources) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.20:2017-04-01) (CONF:3315-453).

Figure 47: Reportability Information Organizer Example

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

<!-- [RR R1S1] Reportability Information Organizer: Both Home and Provider -->

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

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

<!-- Relevant location (home, provider, or both) -->

<code code="TEMP\_CODE\_BOTH" codeSystem="2.16.840.1.114222.4.5.274" codeSystemName="PHIN VS (CDC Local Coding System)"

displayName="Both patient home address and provider facility address">

</code>

<statusCode code="completed" />

<!-- Responsible Agency: Utah Department of Health -->

<!-- In this case the responsible agency is the same as the rules authoring agency -->

<participant typeCode="LOC">

<!-- [RR R1S1] Responsible Agency -->

<templateId root="2.16.840.1.113883.10.20.15.2.4.2" extension="2017-04-01" />

...

</participant>

<!-- Rules Authoring Agency: Utah Department of Health -->

<!-- In this case the rules authoring agency is the same as the responsible agency -->

<participant typeCode="LOC">

<!-- [RR R1S1] Rules Authoring Agency -->

<templateId root="2.16.840.1.113883.10.20.15.2.4.3" extension="2017-04-01" />

...

</participant>

<!-- Routing Entity: Utah Department of Health -->

<!-- The routing entity is optional -->

<participant typeCode="LOC">

<!-- [RR R1S1] Routing Agency -->

<templateId root="2.16.840.1.113883.10.20.15.2.4.1" extension="2017-04-01" />

...

</participant>

<!-- Determination of Reportability: Zika/UT -->

<component typeCode="COMP">

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

<!-- [RR R1S1] Determination of Reportability -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.19" extension="2017-04-01" />

...

</observation>

</component>

<!-- Reporting Timeframe: Zika/UT -->

<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>

<!-- External Resources: additional reporting needs -->

<component typeCode="COMP">

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

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

<templateId root="2.16.840.1.113883.10.20.15.2.3.20" extension="2017-04-01" />

...

</act>

</component>

<!-- External Resources: Treatment and/or prevention -->

<component typeCode="COMP">

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

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

<templateId root="2.16.840.1.113883.10.20.15.2.3.20" extension="2017-04-01" />

...

</act>

</component>

<!-- External Resources: Additional resources -->

<!-- This act contains additional external references for Zika

The references in this act should be rendered LAST and merged with references

in any other acts with code="TEMP\_CODE\_ADD\_RESOURCES" contained in this document -->

<component typeCode="COMP">

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

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

<templateId root="2.16.840.1.113883.10.20.15.2.3.20" extension="2017-04-01" />

...

</act>

</component>

</organizer>

Reportability Response Coded Information Organizer

[organizer: identifier urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.34:2017-04-01 (open)]

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Table 45: Reportability Response Coded Information Organizer Contexts

| **Contained By:** | **Contains:** |
| --- | --- |
| [Reportability Response Summary Section](#S_Reportability_Response_Summary_Section) (required) | [Relevant Reportable Condition Observation](#E_Relevant_Reportable_Condition_Observa) (required) |

This organizer contains the coded information for the Reportability Response CDA document. This includes possible reportable conditions, the determination of reportability for such conditions, what agencies have been sent an eICR CDA document, which Public Health Agency(ies) is responsible for follow-up on each reportable condition, the reporting timeframe, and any additional reporting action(s).

It also contains pointers to text descriptions of links (the text is in the narrative block of the Reportability Response Summary Section) and the links themselves, to external references for supplemental information requests, public health contact information for the responsible agency(ies), and additional information of relevance to the possible reportable condition.

Table 46: Reportability Response Coded Information Organizer Constraints Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **XPath** | **Card.** | **Verb** | **Data Type** | **CONF#** | **Value** |
| organizer (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.34:2017-04-01) | | | | | |
| @classCode | 1..1 | SHALL |  | [3315-707](#C_3315-707) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = CLUSTER |
| @moodCode | 1..1 | SHALL |  | [3315-708](#C_3315-708) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN |
| templateId | 1..1 | SHALL |  | [3315-131](#C_3315-131) |  |
| @root | 1..1 | SHALL |  | [3315-137](#C_3315-137) | 2.16.840.1.113883.10.20.15.2.3.34 |
| @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\_ORGANIZER |
| @codeSystem | 1..1 | SHALL |  | [3315-140](#C_3315-140) | urn:oid:2.16.840.1.114222.4.5.274 (PHIN VS (CDC Local Coding System) ) = 2.16.840.1.114222.4.5.274 |
| statusCode | 1..1 | SHALL |  | [3315-709](#C_3315-709) |  |
| @code | 1..1 | SHALL |  | [3315-710](#C_3315-710) | urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed |
| component | 1..\* | SHALL |  | [3315-703](#C_3315-703) |  |
| observation | 1..1 | SHALL |  | [3315-704](#C_3315-704) | [Relevant Reportable Condition Observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.12:2017-04-01](#E_Relevant_Reportable_Condition_Observa) |

1. SHALL contain exactly one [1..1] @classCode="CLUSTER" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:3315-707).
2. SHALL contain exactly one [1..1] @moodCode="EVN" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:3315-708).
3. SHALL contain exactly one [1..1] templateId (CONF:3315-131) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.15.2.3.34" (CONF:3315-137).
   2. SHALL contain exactly one [1..1] @extension="2017-04-01" (CONF:3315-138).
4. SHALL contain exactly one [1..1] code (CONF:3315-132).
   1. This code SHALL contain exactly one [1..1] @code="TEMP\_CODE\_CODED\_INFO\_ORGANIZER" Reportability Response Coded Information (CONF:3315-139).
   2. This code SHALL contain exactly one [1..1] @codeSystem="2.16.840.1.114222.4.5.274" (CodeSystem: PHIN VS (CDC Local Coding System) urn:oid:2.16.840.1.114222.4.5.274) (CONF:3315-140).
5. SHALL contain exactly one [1..1] statusCode (CONF:3315-709).
   1. This statusCode SHALL contain exactly one [1..1] @code="completed" (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:3315-710).
6. SHALL contain at least one [1..\*] component (CONF:3315-703) such that it
   1. SHALL contain exactly one [1..1] [Relevant Reportable Condition Observation](#E_Relevant_Reportable_Condition_Observa) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.12:2017-04-01) (CONF:3315-704).

Figure 48: Reportability Response Coded Information Organizer Example

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

<!-- [RR R1S1] Reportability Response Coded Information Organizer -->

<templateId root="2.16.840.1.113883.10.20.15.2.3.34" extension="2017-04-01" />

<code code="TEMP\_CODE\_CODED\_INFO\_ORGANIZER"

displayName="Reportability Response Coded Information"

codeSystem="2.16.840.1.114222.4.5.274"

codeSystemName="PHIN VS (CDC Local Coding System)" />

<statusCode code="completed" />

<!-- Relevant Reportable Condition Observation: Zika -->

<component>

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

<!-- [RR R1S1] Relevant Reportable Condition Observation -->

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

...

</observation>

</component>

</organizer>

Reportability Response Priority

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.30:2017-04-01 (open)]

Draft as part of Reportability Response (US Realm) Release 1 STU Release 1.0

Table 47: Reportability Response Priority Contexts

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

This template represents a priority for the Reportabilty Response CDA document overall. It has been calcuated from the highest priority assigned to external resources in the reportability determination. This “document”-level priority should be used for EHR workflow including notification, alerting, routing and queueing (see Volume 4).

Table 48: Reportability Response Priority Constraints Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **XPath** | **Card.** | **Verb** | **Data Type** | **CONF#** | **Value** |
| observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.30:2017-04-01) | | | | | |
| @classCode | 1..1 | SHALL |  | [3315-605](#C_3315-605) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS |
| @moodCode | 1..1 | SHALL |  | [3315-606](#C_3315-606) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN |
| templateId | 1..1 | SHALL |  | [3315-602](#C_3315-602) |  |
| @root | 1..1 | SHALL |  | [3315-607](#C_3315-607) | 2.16.840.1.113883.10.20.15.2.3.30 |
| @extension | 1..1 | SHALL |  | [3315-612](#C_3315-612) | 2017-04-01 |
| code | 1..1 | SHALL |  | [3315-603](#C_3315-603) |  |
| @code | 1..1 | SHALL |  | [3315-609](#C_3315-609) | TEMP\_CODE\_REPORTABILITY\_PRIORITY |
| @codeSystem | 1..1 | SHALL |  | [3315-610](#C_3315-610) | urn:oid:2.16.840.1.114222.4.5.274 (PHIN VS (CDC Local Coding System) ) = 2.16.840.1.114222.4.5.274 |
| value | 1..1 | SHALL | CD | [3315-611](#C_3315-611) | urn:oid:2.16.840.1.113883.10.20.15.2.5.5 (Reportability Priority) |

1. SHALL contain exactly one [1..1] @classCode="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:3315-605).
2. SHALL contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:3315-606).
3. SHALL contain exactly one [1..1] templateId (CONF:3315-602) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.15.2.3.30" (CONF:3315-607).
   2. SHALL contain exactly one [1..1] @extension="2017-04-01" (CONF:3315-612).
4. SHALL contain exactly one [1..1] code (CONF:3315-603).
   1. This code SHALL contain exactly one [1..1] @code="TEMP\_CODE\_REPORTABILITY\_PRIORITY" Reportability Priority (CONF:3315-609).
   2. This code SHALL contain exactly one [1..1] @codeSystem="2.16.840.1.114222.4.5.274" (CodeSystem: PHIN VS (CDC Local Coding System) urn:oid:2.16.840.1.114222.4.5.274) (CONF:3315-610).
5. SHALL contain exactly one [1..1] value with @xsi:type="CD", where the code SHALL be selected from ValueSet Reportability Priority urn:oid:2.16.840.1.113883.10.20.15.2.5.5 DYNAMIC (CONF:3315-611).

Figure 49: Priority Preference Example

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

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

<templateId root="2.16.840.1.113883.10.20.15.2.3.30" extension="2017-04-01" />

<code code="TEMP\_CODE\_REPORTABILITY\_PRIORITY"

codeSystem="2.16.840.1.114222.4.5.274"

codeSystemName="PHIN VS (CDC Local Coding System)"

displayName="Reportability response priority" />

<value xsi:type="CD" code="TEMP\_CODE\_ACTION\_REQUIRED"

displayName="Action required"

codeSystem="2.16.840.1.114222.4.5.274"

codeSystemName="PHIN VS (CDC Local Coding System)" />

</observation>

Reporting Timeframe

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

Draft as part of Reportability Response (US Realm) Release 1 STU Release 1.0

Table 49: Reporting Timeframe Contexts

| **Contained By:** | **Contains:** |
| --- | --- |
| [Reportability Information Organizer](#E_Reportability_Information_Organizer) (optional) |  |

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

Table 50: 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:2.16.840.1.114222.4.5.274 (PHIN VS (CDC Local Coding System) ) = 2.16.840.1.114222.4.5.274 |
| value | 1..1 | SHALL | PQ | [3315-255](#C_3315-255) |  |
| @value | 1..1 | SHALL |  | [3315-671](#C_3315-671) |  |
| @unit | 1..1 | SHALL |  | [3315-672](#C_3315-672) |  |

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="2.16.840.1.114222.4.5.274" (CodeSystem: PHIN VS (CDC Local Coding System) urn:oid:2.16.840.1.114222.4.5.274) (CONF:3315-254).
5. SHALL contain exactly one [1..1] value with @xsi:type="PQ" (CONF:3315-255).
   1. This value SHALL contain exactly one [1..1] @value (CONF:3315-671).
   2. This value SHALL contain exactly one [1..1] @unit (CONF:3315-672).

Figure 50: 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="PQ" value="24" unit="h" />

</observation>

# Participation and Other Templates

Responsible Agency

[participant: identifier urn:hl7ii:2.16.840.1.113883.10.20.15.2.4.2:2017-04-01 (open)]

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Table 51: Responsible Agency Contexts

| **Contained By:** | **Contains:** |
| --- | --- |
| [Reportability Information Organizer](#E_Reportability_Information_Organizer) (optional) |  |

This template represents a Responsible Agency. A Responsible Agency is a PHA to which reporting is legally required. This represents the PHA for the location in which care was provided and/or where the patient lives.

Table 52: Responsible Agency Constraints Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **XPath** | **Card.** | **Verb** | **Data Type** | **CONF#** | **Value** |
| participant (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.4.2:2017-04-01) | | | | | |
| @typeCode | 1..1 | SHALL |  | [3315-407](#C_3315-407) | urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = LOC |
| templateId | 1..1 | SHALL |  | [3315-401](#C_3315-401) |  |
| @root | 1..1 | SHALL |  | [3315-405](#C_3315-405) | 2.16.840.1.113883.10.20.15.2.4.2 |
| @extension | 1..1 | SHALL |  | [3315-406](#C_3315-406) | 2017-04-01 |
| participantRole | 1..1 | SHALL |  | [3315-402](#C_3315-402) |  |
| id | 0..\* | SHOULD |  | [3315-412](#C_3315-412) |  |
| code | 1..1 | SHALL |  | [3315-403](#C_3315-403) |  |
| @code | 1..1 | SHALL |  | [3315-408](#C_3315-408) | TEMP\_CODE\_RESPONSIBLE\_AGENCY |
| @codeSystem | 1..1 | SHALL |  | [3315-409](#C_3315-409) | urn:oid:2.16.840.1.114222.4.5.274 (PHIN VS (CDC Local Coding System) ) = 2.16.840.1.114222.4.5.274 |
| addr | 1..\* | SHALL |  | [3315-413](#C_3315-413) |  |
| telecom | 1..\* | SHALL |  | [3315-414](#C_3315-414) |  |
| playingEntity | 1..1 | SHALL |  | [3315-404](#C_3315-404) |  |
| name | 1..1 | SHALL |  | [3315-410](#C_3315-410) |  |
| desc | 0..1 | MAY |  | [3315-411](#C_3315-411) |  |

1. SHALL contain exactly one [1..1] @typeCode="LOC" Location (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:3315-407).
2. SHALL contain exactly one [1..1] templateId (CONF:3315-401) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.15.2.4.2" (CONF:3315-405).
   2. SHALL contain exactly one [1..1] @extension="2017-04-01" (CONF:3315-406).
3. SHALL contain exactly one [1..1] participantRole (CONF:3315-402).
   1. This participantRole SHOULD contain zero or more [0..\*] id (CONF:3315-412).  
      Note: Responsible Agency id
   2. This participantRole SHALL contain exactly one [1..1] code (CONF:3315-403).
      1. This code SHALL contain exactly one [1..1] @code="TEMP\_CODE\_RESPONSIBLE\_AGENCY" Responsible Agency (CONF:3315-408).
      2. This code SHALL contain exactly one [1..1] @codeSystem="2.16.840.1.114222.4.5.274" (CodeSystem: PHIN VS (CDC Local Coding System) urn:oid:2.16.840.1.114222.4.5.274) (CONF:3315-409).
   3. This participantRole SHALL contain at least one [1..\*] addr (CONF:3315-413).
   4. This participantRole SHALL contain at least one [1..\*] telecom (CONF:3315-414).
   5. This participantRole SHALL contain exactly one [1..1] playingEntity (CONF:3315-404).
      1. This playingEntity SHALL contain exactly one [1..1] name (CONF:3315-410).  
         Note: Responsible agency name
      2. This playingEntity MAY contain zero or one [0..1] desc (CONF:3315-411).  
         Note: Responsible agency description

Figure 51: Responsible Agency Example

<participant typeCode="LOC">

<!-- [RR R1S1] Responsible Agency -->

<templateId root="2.16.840.1.113883.10.20.15.2.4.2" extension="2017-04-01" />

<!-- If the responsible and authoring agencies are the same

then they will have the same identifying and contact details -->

<participantRole>

<id extension="12341234" root="2.16.840.1.113883.4.6" />

<code code="TEMP\_CODE\_RESPONSIBLE\_AGENCY"

displayName="Responsible Agency"

codeSystem="2.16.840.1.114222.4.5.274"

codeSystemName="PHIN VS (CDC Local Coding System)"> </code>

<addr use="WP">

<streetAddressLine>7777 Health Authority Drive</streetAddressLine>

<city>Ann Arbor</city>

<state>MI</state>

<postalCode>99999</postalCode>

</addr>

<telecom use="WP" value="tel:+1-555-555-3555" />

<telecom use="WP" value="fax:+1-955-555-3555" />

<telecom use="WP" value="mailto:mail@healthauthoritywest.gov" />

<telecom use="WP" value="https://www.healthauthoritywest.gov" />

<playingEntity>

<name>Health Authority West</name>

<desc>Responsible Agency Description</desc>

</playingEntity>

</participantRole>

</participant>

Routing Entity

[participant: identifier urn:hl7ii:2.16.840.1.113883.10.20.15.2.4.1:2017-04-01 (open)]

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Table 53: Routing Entity Contexts

| **Contained By:** | **Contains:** |
| --- | --- |
| [Reportability Information Organizer](#E_Reportability_Information_Organizer) (required) |  |

This template represents the Routing Entity. A Routing Entity is a PHA or other organization identified by the PHA (such as an HIE) to which the eICR and/or the Reportability Response will be provided immediately following the creation of the Reportability Response. This entity may just be acting to route the eICR and Reportability Response on their way to a Responsible Agency.

Table 54: Routing Entity Constraints Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **XPath** | **Card.** | **Verb** | **Data Type** | **CONF#** | **Value** |
| participant (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.4.1:2017-04-01) | | | | | |
| @typeCode | 1..1 | SHALL |  | [3315-388](#C_3315-388) | urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = LOC |
| templateId | 1..1 | SHALL |  | [3315-387](#C_3315-387) |  |
| @root | 1..1 | SHALL |  | [3315-389](#C_3315-389) | 2.16.840.1.113883.10.20.15.2.4.1 |
| @extension | 1..1 | SHALL |  | [3315-390](#C_3315-390) | 2017-04-01 |
| participantRole | 1..1 | SHALL |  | [3315-391](#C_3315-391) |  |
| id | 0..\* | SHOULD |  | [3315-394](#C_3315-394) |  |
| code | 1..1 | SHALL |  | [3315-392](#C_3315-392) |  |
| @code | 1..1 | SHALL |  | [3315-395](#C_3315-395) | TEMP\_CODE\_ROUTING\_ENTITY |
| @codeSystem | 1..1 | SHALL |  | [3315-396](#C_3315-396) | urn:oid:2.16.840.1.114222.4.5.274 (PHIN VS (CDC Local Coding System) ) = 2.16.840.1.114222.4.5.274 |
| addr | 1..\* | SHOULD |  | [3315-397](#C_3315-397) |  |
| telecom | 1..\* | SHOULD |  | [3315-398](#C_3315-398) |  |
| playingEntity | 1..1 | SHALL |  | [3315-393](#C_3315-393) |  |
| name | 1..1 | SHALL |  | [3315-399](#C_3315-399) |  |
| desc | 0..1 | MAY |  | [3315-400](#C_3315-400) |  |

1. SHALL contain exactly one [1..1] @typeCode="LOC" Location (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:3315-388).
2. SHALL contain exactly one [1..1] templateId (CONF:3315-387) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.15.2.4.1" (CONF:3315-389).
   2. SHALL contain exactly one [1..1] @extension="2017-04-01" (CONF:3315-390).
3. SHALL contain exactly one [1..1] participantRole (CONF:3315-391).
   1. This participantRole SHOULD contain zero or more [0..\*] id (CONF:3315-394).
   2. This participantRole SHALL contain exactly one [1..1] code (CONF:3315-392).  
      Note: Routing Entity id
      1. This code SHALL contain exactly one [1..1] @code="TEMP\_CODE\_ROUTING\_ENTITY" Routing Enitity (CONF:3315-395).
      2. This code SHALL contain exactly one [1..1] @codeSystem="2.16.840.1.114222.4.5.274" (CodeSystem: PHIN VS (CDC Local Coding System) urn:oid:2.16.840.1.114222.4.5.274) (CONF:3315-396).
   3. This participantRole SHOULD contain at least one [1..\*] addr (CONF:3315-397).
   4. This participantRole SHOULD contain at least one [1..\*] telecom (CONF:3315-398).
   5. This participantRole SHALL contain exactly one [1..1] playingEntity (CONF:3315-393).
      1. This playingEntity SHALL contain exactly one [1..1] name (CONF:3315-399).  
         Note: Routing entity name
      2. This playingEntity MAY contain zero or one [0..1] desc (CONF:3315-400).  
         Note: Routing entity description

Figure 52: Routing Entity Example

<participant typeCode="LOC">

<!-- [RR R1S1] Routing Agency -->

<templateId root="2.16.840.1.113883.10.20.15.2.4.1" extension="2017-04-01" />

<participantRole>

<id extension="43214321" root="2.16.840.1.113883.4.6" />

<code code="TEMP\_CODE\_ROUTING\_ENTITY"

displayName="Routing Entity"

codeSystem="2.16.840.1.114222.4.5.274"

codeSystemName="PHIN VS (CDC Local Coding System)" />

<addr use="WP">

<streetAddressLine>7777 Health Authority Drive</streetAddressLine>

<city>Ann Arbor</city>

<state>MI</state>

<postalCode>99999</postalCode>

</addr>

<telecom use="WP" value="tel:+1-555-555-3555" />

<telecom use="WP" value="fax:+1-955-555-3555" />

<telecom use="WP" value="mailto:mail@healthauthoritywest.gov" />

<telecom use="WP" value="https://www.healthauthoritywest.gov" />

<playingEntity>

<name>Health Authority West Routing Entity</name>

<desc>Routing Entity Description</desc>

</playingEntity>

</participantRole>

</participant>

Rules Authoring Agency

[participant: identifier urn:hl7ii:2.16.840.1.113883.10.20.15.2.4.3:2017-04-01 (open)]

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Table 55: Rules Authoring Agency Contexts

| **Contained By:** | **Contains:** |
| --- | --- |
| [Reportability Information Organizer](#E_Reportability_Information_Organizer) (required) |  |

This template represents the Rules Authoring Agency. The Rules Authoring Agency is whose rules are being executed in decision support to determine reportability. This may be a State or Local PHA. In the majority of cases the Rules Authoring Agency will be the same as the Responsible Agency. Usually, a Local Public Health Agency will inherit rules from its relevant State agency, but a Local agency can adopt, replace or supplement relevant state rules.

Table 56: Rules Authoring Agency Constraints Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **XPath** | **Card.** | **Verb** | **Data Type** | **CONF#** | **Value** |
| participant (identifier: urn:hl7ii:2.16.840.1.113883.10.20.15.2.4.3:2017-04-01) | | | | | |
| @typeCode | 1..1 | SHALL |  | [3315-428](#C_3315-428) | urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = LOC |
| templateId | 1..1 | SHALL |  | [3315-415](#C_3315-415) |  |
| @root | 1..1 | SHALL |  | [3315-419](#C_3315-419) | 2.16.840.1.113883.10.20.15.2.4.3 |
| @extension | 1..1 | SHALL |  | [3315-420](#C_3315-420) | 2017-04-01 |
| participantRole | 1..1 | SHALL |  | [3315-416](#C_3315-416) |  |
| id | 0..\* | SHOULD |  | [3315-425](#C_3315-425) |  |
| code | 1..1 | SHALL |  | [3315-417](#C_3315-417) |  |
| @code | 1..1 | SHALL |  | [3315-421](#C_3315-421) | TEMP\_CODE\_RULES\_AUTHORING\_AGENCY |
| @codeSystem | 1..1 | SHALL |  | [3315-422](#C_3315-422) | urn:oid:2.16.840.1.114222.4.5.274 (PHIN VS (CDC Local Coding System) ) = 2.16.840.1.114222.4.5.274 |
| addr | 1..\* | SHALL |  | [3315-426](#C_3315-426) |  |
| telecom | 1..\* | SHALL |  | [3315-427](#C_3315-427) |  |
| playingEntity | 1..1 | SHALL |  | [3315-418](#C_3315-418) |  |
| name | 1..1 | SHALL |  | [3315-423](#C_3315-423) |  |
| desc | 0..1 | MAY |  | [3315-424](#C_3315-424) |  |

1. SHALL contain exactly one [1..1] @typeCode="LOC" Location (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:3315-428).
2. SHALL contain exactly one [1..1] templateId (CONF:3315-415) such that it
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.15.2.4.3" (CONF:3315-419).
   2. SHALL contain exactly one [1..1] @extension="2017-04-01" (CONF:3315-420).
3. SHALL contain exactly one [1..1] participantRole (CONF:3315-416).
   1. This participantRole SHOULD contain zero or more [0..\*] id (CONF:3315-425).  
      Note: Authoring Agency id
   2. This participantRole SHALL contain exactly one [1..1] code (CONF:3315-417).
      1. This code SHALL contain exactly one [1..1] @code="TEMP\_CODE\_RULES\_AUTHORING\_AGENCY" Rules Authoring Agency (CONF:3315-421).
      2. This code SHALL contain exactly one [1..1] @codeSystem="2.16.840.1.114222.4.5.274" (CodeSystem: PHIN VS (CDC Local Coding System) urn:oid:2.16.840.1.114222.4.5.274) (CONF:3315-422).
   3. This participantRole SHALL contain at least one [1..\*] addr (CONF:3315-426).
   4. This participantRole SHALL contain at least one [1..\*] telecom (CONF:3315-427).
   5. This participantRole SHALL contain exactly one [1..1] playingEntity (CONF:3315-418).
      1. This playingEntity SHALL contain exactly one [1..1] name (CONF:3315-423).  
         Note: Authoring agency name
      2. This playingEntity MAY contain zero or one [0..1] desc (CONF:3315-424).  
         Note: Authoring agency description

Figure 53: Rules Authoring Agency Example

<participant typeCode="LOC">

<!-- [RR R1S1] Rules Authoring Agency -->

<templateId root="2.16.840.1.113883.10.20.15.2.4.3" extension="2017-04-01" />

<!-- If the responsible and rules authoring agencies are the same

then they will have the same identifying and contact details -->

<participantRole>

<id extension="12341234" root="2.16.840.1.113883.4.6" />

<code code="TEMP\_CODE\_RULES\_AUTHORING\_AGENCY"

displayName="Rules Authoring Agency"

codeSystem="2.16.840.1.114222.4.5.274"

codeSystemName="PHIN VS (CDC Local Coding System)" />

<addr use="WP">

<streetAddressLine>7777 Health Authority Drive</streetAddressLine>

<city>Ann Arbor</city>

<state>MI</state>

<postalCode>99999</postalCode>

</addr>

<telecom use="WP" value="tel:+1-555-555-3555" />

<telecom use="WP" value="fax:+1-955-555-3555" />

<telecom use="WP" value="mailto:mail@healthauthoritywest.gov" />

<telecom use="WP" value="https://www.healthauthoritywest.gov" />

<playingEntity>

<name>Health Authority West</name>

<desc>Rules Authoring Agency Description</desc>

</playingEntity>

</participantRole>

</participant>

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 57: US Realm Address (AD.US.FIELDED) Contexts

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

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

Table 58: US Realm Address (AD.US.FIELDED) Constraints Overview

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

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

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

Figure 54: 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 59: US Realm Date and Time (DTM.US.FIELDED) Contexts

| **Contained By:** | **Contains:** |
| --- | --- |
| [US Realm Header (V3)](#D_US_Realm_Header_V3) (optional)  [US Realm Header (V3)](#D_US_Realm_Header_V3) (required)  [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 60: 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 55: US Realm Date and Time Example

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

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

<time value=”19800531”/>

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

<effectiveTime>

<low value='20110706122735-0800'/>

<high value='20110706122815-0800'/>

</effectiveTime>

US Realm Patient Name (PTN.US.FIELDED)

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

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Table 61: US Realm Patient Name (PTN.US.FIELDED) Contexts

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

The US Realm Patient Name datatype flavor is a set of reusable constraints that can be used for the patient or any other person. It requires a first (given) and last (family) name. If a patient or person has only one name part (e.g., patient with first name only) place the name part in the field required by the organization. Use the appropriate nullFlavor, "Not Applicable" (NA), in the other field.

For information on mixed content see the Extensible Markup Language reference (http://www.w3c.org/TR/2008/REC-xml-20081126/).

Table 62: US Realm Patient Name (PTN.US.FIELDED) Constraints Overview

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

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

1. MAY contain zero or one [0..1] @use, which SHALL be selected from ValueSet EntityNameUse urn:oid:2.16.840.1.113883.1.11.15913 STATIC 2005-05-01 (CONF:81-7154).
2. SHALL contain exactly one [1..1] family (CONF:81-7159).
   1. This family MAY contain zero or one [0..1] @qualifier, which SHALL be selected from ValueSet EntityPersonNamePartQualifier urn:oid:2.16.840.1.113883.11.20.9.26 STATIC 2011-09-30 (CONF:81-7160).
3. SHALL contain at least one [1..\*] given (CONF:81-7157).
   1. Such givens MAY contain zero or one [0..1] @qualifier, which SHALL be selected from ValueSet EntityPersonNamePartQualifier urn:oid:2.16.840.1.113883.11.20.9.26 STATIC 2011-09-30 (CONF:81-7158).
   2. The second occurrence of given (given2]) if provided, SHALL include middle name or middle initial (CONF:81-7163).
4. MAY contain zero or more [0..\*] prefix (CONF:81-7155).
   1. The prefix, if present, MAY contain zero or one [0..1] @qualifier, which SHALL be selected from ValueSet EntityPersonNamePartQualifier urn:oid:2.16.840.1.113883.11.20.9.26 STATIC 2011-09-30 (CONF:81-7156).
5. MAY contain zero or one [0..1] suffix (CONF:81-7161).
   1. The suffix, if present, MAY contain zero or one [0..1] @qualifier, which SHALL be selected from ValueSet EntityPersonNamePartQualifier urn:oid:2.16.840.1.113883.11.20.9.26 STATIC 2011-09-30 (CONF:81-7162).
6. **SHALL NOT** have mixed content except for white space (CONF:81-7278).

Figure 56: US Realm Patient Name Example

<name use="L">

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

<given>Evelyn</given>

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

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

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

</name>

US Realm Person Name (PN.US.FIELDED)

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

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Table 63: US Realm Person Name (PN.US.FIELDED) Contexts

| **Contained By:** | **Contains:** |
| --- | --- |
| [US Realm Header (V3)](#D_US_Realm_Header_V3) (optional)  [Reportability Response Document (RR)](#D_Reportability_Response_Document_RR) (optional)  [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 64: 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 65: 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 Subject Section](#S_Reportability_Response_Subject_Sectio) | 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 |
| [Determination of Reportability](#E_Determination_of_Reportability) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.19:2017-04-01 |
| [Determination of Reportability Reason](#E_Determination_of_Reportability_Reason) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.26:2017-04-01 |
| [Determination of Reportability Rule](#E_Determination_of_Reportability_Rule) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.27:2017-04-01 |
| [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 |
| [eICR Processing Status](#E_eICR_Processing_Status) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.29:2017-04-01 |
| [eICR Processing Status Reason](#E_eICR_Processing_Status_Reason) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.21:2017-04-01 |
| [eICR Processing Status Reason Detail](#E_eICR_Processing_Status_Reason_Detail) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.32:2017-04-01 |
| [eICR Validation Output](#E_eICR_Validation_Output) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.33:2017-04-01 |
| [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 Resources](#E_External_Resources) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.20:2017-04-01 |
| [Instruction (V2)](#Instruction_V2) | entry | urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09 |
| [Manually Initiated eICR](#E_Manually_Initiated_eICR) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.22:2017-04-01 |
| [Received eICR Information](#E_Received_eICR_Information) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.9:2017-04-01 |
| [Relevant Reportable Condition Observation](#E_Relevant_Reportable_Condition_Observa) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.12:2017-04-01 |
| [Reportability Information Organizer](#E_Reportability_Information_Organizer) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.13:2017-04-01 |
| [Reportability Response Coded Information Organizer](#E_Reportability_Response_Coded_Informat) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.34:2017-04-01 |
| [Reportability Response Priority](#E_Reportability_Response_Priority) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.30:2017-04-01 |
| [Reportability Response Subject](#E_Reportability_Response_Subject) | 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 |
| [Reporting Timeframe](#E_Reporting_Timeframe) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.14:2017-04-01 |
| [Responsible Agency](#U_Responsible_Agency) | unspecified | urn:hl7ii:2.16.840.1.113883.10.20.15.2.4.2:2017-04-01 |
| [Routing Entity](#U_Routing_Entity) | unspecified | urn:hl7ii:2.16.840.1.113883.10.20.15.2.4.1:2017-04-01 |
| [Rules Authoring Agency](#U_Rules_Authoring_Agency) | unspecified | urn:hl7ii:2.16.840.1.113883.10.20.15.2.4.3:2017-04-01 |
| [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 Patient Name (PTN.US.FIELDED)](#U_US_Realm_Patient_Name_PTNUSFIELDED) | unspecified | urn:oid:2.16.840.1.113883.10.20.22.5.1 |
| [US Realm Person Name (PN.US.FIELDED)](#U_US_Realm_Person_Name_PNUSFIELDED) | unspecified | urn:oid:2.16.840.1.113883.10.20.22.5.1.1 |

Table 66: 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 |
| [US Realm Address (AD.US.FIELDED)](#U_US_Realm_Address_ADUSFIELDED) | unspecified | urn:oid:2.16.840.1.113883.10.20.22.5.2 |
| [US Realm Address (AD.US.FIELDED)](#U_US_Realm_Address_ADUSFIELDED) | unspecified | urn:oid:2.16.840.1.113883.10.20.22.5.2 |
| [US Realm Person Name (PN.US.FIELDED)](#U_US_Realm_Person_Name_PNUSFIELDED) | unspecified | urn:oid:2.16.840.1.113883.10.20.22.5.1.1 |
| [US Realm Person Name (PN.US.FIELDED)](#U_US_Realm_Person_Name_PNUSFIELDED) | unspecified | urn:oid:2.16.840.1.113883.10.20.22.5.1.1 |
| [US Realm Date and Time (DTM.US.FIELDED)](#U_US_Realm_Date_and_Time_DTMUSFIELDED) | unspecified | urn:oid:2.16.840.1.113883.10.20.22.5.4 |
| [Reportability Response Subject Section](#S_Reportability_Response_Subject_Sectio) | section | urn:hl7ii:2.16.840.1.113883.10.20.15.2.2.1:2017-04-01 |
| [Reportability Response Subject](#E_Reportability_Response_Subject) | 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 |
| [Reportability Response Coded Information Organizer](#E_Reportability_Response_Coded_Informat) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.34:2017-04-01 |
| [Relevant Reportable Condition Observation](#E_Relevant_Reportable_Condition_Observa) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.12:2017-04-01 |
| [Reportability Information Organizer](#E_Reportability_Information_Organizer) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.13:2017-04-01 |
| [Reporting Timeframe](#E_Reporting_Timeframe) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.14:2017-04-01 |
| [Determination of Reportability](#E_Determination_of_Reportability) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.19:2017-04-01 |
| [Determination of Reportability Reason](#E_Determination_of_Reportability_Reason) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.26:2017-04-01 |
| [Determination of Reportability Rule](#E_Determination_of_Reportability_Rule) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.27:2017-04-01 |
| [Routing Entity](#U_Routing_Entity) | unspecified | urn:hl7ii:2.16.840.1.113883.10.20.15.2.4.1:2017-04-01 |
| [Responsible Agency](#U_Responsible_Agency) | unspecified | urn:hl7ii:2.16.840.1.113883.10.20.15.2.4.2:2017-04-01 |
| [Rules Authoring Agency](#U_Rules_Authoring_Agency) | unspecified | urn:hl7ii:2.16.840.1.113883.10.20.15.2.4.3:2017-04-01 |
| [External Resources](#E_External_Resources) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.20:2017-04-01 |
| [External Reference](#E_External_Reference) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.17:2017-04-01 |
| [External Resources](#E_External_Resources) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.20:2017-04-01 |
| [External Reference](#E_External_Reference) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.17:2017-04-01 |
| [Reportability Response Summary](#E_Reportability_Response_Summary) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.8:2017-04-01 |
| [Reportability Response Priority](#E_Reportability_Response_Priority) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.30:2017-04-01 |
| [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 |
| [Manually Initiated eICR](#E_Manually_Initiated_eICR) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.22:2017-04-01 |
| [eICR Processing Status](#E_eICR_Processing_Status) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.29:2017-04-01 |
| [eICR Processing Status Reason](#E_eICR_Processing_Status_Reason) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.21:2017-04-01 |
| [eICR Processing Status Reason Detail](#E_eICR_Processing_Status_Reason_Detail) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.32:2017-04-01 |
| [eICR Validation Output](#E_eICR_Validation_Output) | entry | urn:hl7ii:2.16.840.1.113883.10.20.15.2.3.33:2017-04-01 |
| [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 |
| [US Realm Patient Name (PTN.US.FIELDED)](#U_US_Realm_Patient_Name_PTNUSFIELDED) | unspecified | urn:oid:2.16.840.1.113883.10.20.22.5.1 |
| [US Realm Address (AD.US.FIELDED)](#U_US_Realm_Address_ADUSFIELDED) | unspecified | urn:oid:2.16.840.1.113883.10.20.22.5.2 |
| [US Realm Address (AD.US.FIELDED)](#U_US_Realm_Address_ADUSFIELDED) | unspecified | urn:oid:2.16.840.1.113883.10.20.22.5.2 |
| [US Realm Person Name (PN.US.FIELDED)](#U_US_Realm_Person_Name_PNUSFIELDED) | unspecified | urn:oid:2.16.840.1.113883.10.20.22.5.1.1 |
| [US Realm Date and Time (DTM.US.FIELDED)](#U_US_Realm_Date_and_Time_DTMUSFIELDED) | unspecified | urn:oid:2.16.840.1.113883.10.20.22.5.4 |
| [US Realm Date and Time (DTM.US.FIELDED)](#U_US_Realm_Date_and_Time_DTMUSFIELDED) | unspecified | urn:oid:2.16.840.1.113883.10.20.22.5.4 |
| [External Document Reference](#E_External_Document_Reference) | entry | urn:hl7ii:2.16.840.1.113883.10.20.22.4.115:2014-06-09 |
| [Instruction (V2)](#Instruction_V2) | entry | urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09 |

# Code Systems in This Guide

Table 67: Code Systems

| **Name** | **OID** |
| --- | --- |
| CDC Vaccine Code (CVX) | urn:oid:2.16.840.1.113883.12.292 |
| CPT4 | urn:oid:2.16.840.1.113883.6.12 |
| DCM | urn:oid:1.2.840.10008.2.16.4 |
| FIPS 5-2 (State) | urn:oid:2.16.840.1.113883.6.92 |
| Healthcare Provider Taxonomy (HIPAA) | urn:oid:2.16.840.1.113883.6.101 |
| HITSP-CS-83 | urn:oid:2.16.840.1.113883.5.83 |
| HL7 HealthcareServiceLocation | urn:oid:2.16.840.1.113883.6.259 |
| HL7ActClass | urn:oid:2.16.840.1.113883.5.6 |
| HL7ActCode | urn:oid:2.16.840.1.113883.5.4 |
| HL7ActMood | urn:oid:2.16.840.1.113883.5.1001 |
| HL7ActPriority | urn:oid:2.16.840.1.113883.5.7 |
| HL7ActReason | urn:oid:2.16.840.1.113883.5.8 |
| HL7ActRelationshipType | urn:oid:2.16.840.1.113883.5.1002 |
| HL7ActStatus | urn:oid:2.16.840.1.113883.5.14 |
| HL7AddressUse | urn:oid:2.16.840.1.113883.5.1119 |
| HL7AdministrativeGender | urn:oid:2.16.840.1.113883.5.1 |
| HL7Confidentiality | urn:oid:2.16.840.1.113883.5.25 |
| HL7EntityClass | urn:oid:2.16.840.1.113883.5.41 |
| HL7EntityNamePartQualifier | urn:oid:2.16.840.1.113883.5.43 |
| HL7EntityNameUse | urn:oid:2.16.840.1.113883.5.45 |
| HL7LanguageAbilityMode | urn:oid:2.16.840.1.113883.5.60 |
| HL7LanguageAbilityProficiency | urn:oid:2.16.840.1.113883.5.61 |
| HL7MaritalStatus | urn:oid:2.16.840.1.113883.5.2 |
| HL7NullFlavor | urn:oid:2.16.840.1.113883.5.1008 |
| HL7ObservationValue | urn:oid:2.16.840.1.113883.5.1063 |
| HL7ParticipationFunction | urn:oid:2.16.840.1.113883.5.88 |
| HL7ParticipationSignature | urn:oid:2.16.840.1.113883.5.89 |
| HL7ParticipationType | urn:oid:2.16.840.1.113883.5.90 |
| 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 |
| ICD-10-CM | urn:oid:2.16.840.1.113883.6.90 |
| Insurance Type Code | urn:oid:2.16.840.1.113883.3.88.12.3221.5.2 |
| ISO 3166 Part 1 Country Codes, 2nd Edition, Alpha-2 | urn:oid:1.0.3166.1.2.2 |
| Language | urn:oid:2.16.840.1.113883.6.121 |
| LOINC | urn:oid:2.16.840.1.113883.6.1 |
| Media Type | urn:oid:2.16.840.1.113883.5.79 |
| NCI Thesaurus (NCIt) | urn:oid:2.16.840.1.113883.3.26.1.1 |
| NDFRT | urn:oid:2.16.840.1.113883.3.26.1.5 |
| NUBC UB-04 Patient Discharge Status code set | urn:oid:2.16.840.1.113883.6.301.5 |
| PHIN VS (CDC Local Coding System) | urn:oid:2.16.840.1.114222.4.5.274 |
| Provider Role (HL7) | urn:oid:2.16.840.1.113883.3.88.12.3221.4 |
| Race & Ethnicity - CDC | urn:oid:2.16.840.1.113883.6.238 |
| RxNorm | urn:oid:2.16.840.1.113883.6.88 |
| SNOMED CT | urn:oid:2.16.840.1.113883.6.96 |
| Source of Payment Typology (PHDSC) | urn:oid:2.16.840.1.113883.3.221.5 |
| UCUM | urn:oid:2.16.840.1.113883.6.8 |
| Unique Ingredient Identifier (UNII) | urn:oid:2.16.840.1.113883.4.9 |
| USPostalCodes | urn:oid:2.16.840.1.113883.6.231 |