Guidance for Creation of a 111 CDA Document

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**Intended audience:**

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|  |
| NHS 111 system developers |
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**Anticipated Changes**

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**Reviewers:**

This document must be reviewed by the following. Indicate any delegation for sign off.

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**Approvals:**

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**Document Status:**

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This document version is only valid at the time it is retrieved from controlled file store, after which a new approved version will replace it.

On receipt of a new issue, please destroy all previous issues (unless a specified earlier issue is base-lined for use throughout the programme).

**Related Documents:**

These documents have been referenced in this document and will provide additional information.

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| Ref no | File CM Doc Reference Number | Title | Version |
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**Glossary of Terms used in this Document:**

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| Term | Acronym | Definition |
|  | CDA | HL7 Clinical Document Architecture, Release 2.0 |
| Participation |  | The involvement of a role in an act |
| Role |  | A responsibility or part played by an entity |
|  | DCE UUID | Distributed Computing Environment Universally Unique Identifier - is an identifier standard used in software construction |
|  | XML | Extensible Markup Language - is a general-purpose specification for creating custom markup languages |
| DMS |  | Domain Message Specification (sometimes called a pack) is the message specification(s) offered by Connecting for Health for a domain (such as NHS 111) |
| PDS |  | Patient Demographic Service – the NHS patient database |
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# Introduction

This document provides guidance for creating a 111 CDA document. The document includes the information that a 111 system needs to transmit to create a clinical document. The CDA document is used in 111 as a referral to Out of Hours services and to Accident and Emergency, to inform a patient’s General Practitioner about a 111 call, and to inform a repeat caller database to monitor repeat calls to the NHS 111 service.

# Guidance for creating a 111 CDA document

## CDA background

CDA is issued as an international specification for the interchange of clinical documents by the HL7 organisation (HL7.org). The NHS has adopted this standard for the exchange of clinical documents within NHS England.

The CDA specification is a generic specification designed to carry clinical information and coded clinical statements. The NHS has several profiles of the generic CDA specification, and NHS 111 CDA document is one such profile.

When a CDA profile is offered, it is designed as a conformance specification only. This conformance specification does not appear as a direct subset of the generic CDA model. For example, so class names in a NHS CDA profile will be different to those expressed in the generic CDA model. An XML instance written to a NHS CDA profile does not validate against the generic CDA schema.

Developers of CDA messages should develop CDA documents that are valid against the generic CDA schema. This schema is found in the NHS 111 DMS in the schemas folder (\schemas\ POCD\_MT000002UK01.xsd). The suggested procedure that developers follow in order to create NHS 111 CDA documents is as follows

* Use this document to create a CDA document that is compliant to the generic CDA schema found at “\schemas\ POCD\_MT000002UK01.xsd” within the NHS 111 DMS pack
* Test the conformance of the produced generic CDA document by using the transform within the NHS 111 DMS to transform the CDA document into the conformance (or profile) format.
  + Use the transform “\transforms\TrueCDAToCDALike\_v2.xsl” to convert the document to the conformance format
  + Validate the output of this transformation against the conformance schema “\TemplateSchemas\POCD\_MT200001GB01.xsd”

If this process completes successfully, then the generic CDA that was used in the transformation is a valid CDA document (in that it is valid against the generic CDA schema), and is compliant to the NHS 111 conformance profile. This document (the document that is valid against the generic CDA profile), may then be sent “on –the-wire” to a NHS 111 recipient.

## Putting information into the Generic CDA profile

This section documents the various CDA classes and concepts, and what data is required in each instance. This section documents only those CDA generic classes required to fulfil the NHS 111 conformance profile. For the optionality of each data item, consult the NHS 111 conformance model. Further guidance on data values is given on the conformance model.

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| --- | --- | --- | --- | --- | --- | --- |
| **CDA Class: Clinical Document** | | **Acts as a header for the CDA message** | | |  | |
| **CDA Data Item** | **Business relevance** | | **Value Guidance** | **Generic CDA Xpath** | | **Example** |
| classCode | None, a fixed value | | Always **FIXED** to “DOCCLIN” | /ClinicalDocument/@classCode | | <ClinicalDocument classCode="DOCCLIN" moodCode="EVN"> |
| moodCode | None, a fixed value | | Always **FIXED** to “EVN” | /ClinicalDocument/@moodCode | | <ClinicalDocument classCode="DOCCLIN" moodCode="EVN"> |
| id/@root | A unique identifier for the document. Must be a DCE UUID | | A generated DCE UUID | /ClinicalDocument/id/@root | | <id root="A709A442-3CF4-476E-8377-376500E829C9"/> |
| code/@code  code/@codeSystem | None, a fixed value. Note, ignore the multiple SNOMED CT code option. | | Always **FIXED**  Code “819551000000100”  CodeSystem “2.16.840.1.113883.2.1.3.2.4.15” | /ClinicalDocument/code/@code  /ClinicalDocument/code/@codeSystem | | <code code="819551000000100" codeSystem="2.16.840.1.113883.2.1.3.2.4.15"/> |
| title | None, a fixed value | | Always **FIXED** to “NHS 111 Report” | /ClinicalDocument/title | | <title> National Health Service 111 Report </title> |
| effectiveTime/@value | The date and time the document was produced | | The system date/time when the document was produced. This can be to any precision, but to the second is recommended | /ClinicalDocument/effectiveTime/@value | | <effectiveTime value="201105192000"/> |
| typeId/@root  typeid/@extension | None, a fixed value | | Always **FIXED**  Root "2.16.840.1.113883.1.3"  Extenson "POCD\_HD000040" | /ClinicalDocument/typeId/@root  /ClinicalDocument/typeId/@extension | | <typeId root="2.16.840.1.113883.1.3" extension="POCD\_HD000040"/> |
| messageType/@root  messageType/@extension | None, a fixed value | | Always **FIXED**  root “2.16.840.1.113883.2.1.3.2.4.18.17”  Extension “POCD\_MT200001GB02” | /ClinicalDocument/npfitlc:messageType/@root  /ClinicalDocument/npfitlc:messageType/@extension | | <npfitlc:messageType root="2.16.840.1.113883.2.1.3.2.4.18.17" extension="POCD\_MT200001GB01"/> |
| confidentialityCode/@code  confidentialityCode/@codeSystem  confidentialityCode/@dispalyName | A code to state the confidentiality level of the document. This may be taken from a local vocabulary | | The codeSystem is the an identifier of the vocabulary where the codes are taken from. Code and displayName are taken from the vocabulary. If no local vocabs are available, use  CodeSystem=” 2.16.840.1.113883.5.25”  And one of the following code/displayNames  “V” Very Restricted  “R” Restricted  “N” Normal | /ClinicalDocument/confidentialityCode/@code  /ClinicalDocument/confidentialityCode/@displayName  /ClinicalDocument/confidentialityCode/@codeSystem | | <confidentialityCode code="V" displayName="very restricted" codeSystem="2.16.840.1.113883.1.11.16926"/> |
| setId/@root | a DCE UUID used in document replacement. SetId represents the set to which this document belongs | | A generated DCE UUID. A document that replaces this document has the same setId | /ClinicalDocument/setId/@root | | <setId root="411910CF-1A76-4330-98FE-C345DDEE5553"/> |
| versionNumber/@root | None – an integer used to denote what version this document is in a set of documents | | An integer, incrementing by 1 for each new document in a set | /ClinicalDocument/versionNumber/@value | | <versionNumber value="1"/> |

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| **CDA Concept: recordTarget (aka patient)** | | **Contains the patient’s details** | | | **Includes Generic CDA Classes**  **recordTarget; PatientRole; Patient** | |
| **CDA Data Item** | **Business relevance** | | **Value Guidance** | **Generic CDA Xpath** | | **Example** |
| recordTarget/@typeCode | None, a fixed value | | Always **FIXED** to “RCT” | /ClinicalDocument/recordTarget/@typeCode | | <recordTarget typeCode="RCT" contextControlCode="OP"> |
| recordTarget/@contextControlCode | None – a fixed code | | Always FIXED to “OP” | /ClinicalDocument/recordTarget/@contextControlCode | | <recordTarget typeCode="RCT" contextControlCode="OP"> |
| recordTarget/contentId/@root  recordTarget/contentId/@extension | None – a fixed code | | Always FIXED  Root “2.16.840.1.113883.2.1.3.2.4.18.16"  Extension "COCD\_TP145201GB01#PatientRole" | /ClinicalDocument/recordTarget/npfitlc:contentId/@root  /ClinicalDocument/recordTarget/npfitlc:contentId/@extension | | <npfitlc:contentId root="2.16.840.1.113883.2.1.3.2.4.18.16" extension="COCD\_TP145201GB01#PatientRole"/> |
| patientRole/@classCode | None, a fixed value | | Always FIXED to “PAT” | /ClinicalDocument/recordTarget/patientRole/@classCode | | <patientRole classCode="PAT"> |
| patientRole/id/@root  patientRole/id/@extension  patientRole/id/@assigningAuthorityName | The patient identifier. This is the patient’s NHS number. If this is not available, another patient identifier can be used | | A verified NHS number and the OID “2.16.840.1.113883.2.1.4.1”  **OR**  An unverified NHS number and the OID “2.16.840.1.113883.2.1.3.2.4.18.23”  **OR**  A local patient identifier and the OID “2.16.840.1.113883.2.1.3.2.4.18.24” and the assigning authority name | /ClinicalDocument/recordTarget/patientRole/id[1]/@root  /ClinicalDocument/recordTarget/patientRole/id[1]/@extension | | <id extension="993254128" root="2.16.840.1.113883.2.1.3.2.4.18.23" assigningAuthorityName="RA9:SOUTH DEVON HEALTHCARE NHS FOUNDATION TRUST"/> |
| patientRole/addr/@use  patientRole/addr/streetAddressLine[1..5]  patientRole/addr/city  patientRole/addr/postalCode  patientRole/addr/desc  patientRole/addr/country  patientRole/addr/additionalLocator | A set of addresses associated with the patient. The use attribute states the address usage (such as “H” for home, or PHY for physical address) | | Address associated with the patient as recorded by the system – maybe from PDS (note this is not the incident location address) | /ClinicalDocument/recordTarget/patientRole/addr/@use  /ClinicalDocument/recordTarget/patientRole/addr/streetAddressLine  /ClinicalDocument/recordTarget/patientRole/addr/city  /ClinicalDocument/recordTarget/patientRole/addr/postalCode  /ClinicalDocument/recordTarget/patientRole/addr/desc  /ClinicalDocument/recordTarget/patientRole/addr/country  /ClinicalDocument/recordTarget/patientRole/addr/additionalLocator | | <addr use="PHYS">  <streetAddressLine>2, Brancaster Road</streetAddressLine>  <city>Medway</city>  <postalCode>ME5 FL5</postalCode>  <desc>Follow the high street and turn left by Boots</desc>  <country>GB</country>  <country>Great Britain</country>  <additionalLocator>+38.265789-85.623415</additionalLocator>  </addr> |
| patientRole/telecom/@value  patientRole/telecom/@use | The contact details of the patient as recorded on the NHS 111 system. | | Phone number assiociated with the patient, suffixed by tel:  If this is deemed the preferred contact for the NHS111 encounter, set the use attribute to “EC” (emergency contact) | /ClinicalDocument/recordTarget/patientRole/telecom/@value  /ClinicalDocument/recordTarget/patientRole/telecom/@use | | <telecom value="tel:01634 775667" use="H"/> |
| patientRole/templateId/@root  patientRole/templateId/@extension | None – a fixed value | | Always FIXED to  Root "2.16.840.1.113883.2.1.3.2.4.18.2"  Extension “COCD\_TP145201GB01#PatientRole” | /ClinicalDocument/recordTarget/patientRole/templateId/@root  /ClinicalDocument/recordTarget/patientRole/templateId/@extension | | <templateId extension="COCD\_TP145201GB01#PatientRole" root="2.16.840.1.113883.2.1.3.2.4.18.2"/> |
| providerOrganization/@classCode | None – a fixed value | | Always FIXED to “ORG” | /ClinicalDocument/recordTarget/patientRole/providerOrganization/@classCode | | <providerOrganization classCode="ORG" determinerCode="INSTANCE"> |
| providerOrganization/@determinerCode | None – a fixed value | | Always FIXED to “INSTANCE” | /ClinicalDocument/recordTarget/patientRole/providerOrganization/@determinerCode | | <providerOrganization classCode="ORG" determinerCode="INSTANCE"> |
| providerOrganization/id/@root  providerOrganization/id/@extension | The code of the GP Practice the patient is registered with | | The GP Practice ODS code with the OID “2.16.840.1.113883.2.1.3.2.4.19.1”  (this may come from PDS) | /ClinicalDocument/recordTarget/patientRole/providerOrganization/id/@root  /ClinicalDocument/recordTarget/patientRole/providerOrganization/id/@extension | | <id root="2.16.840.1.113883.2.1.3.2.4.19.1" extension="V396F"/> |
| providerOrganization/name | The name of the GP Practice the patient is registered with | | GP Practice name  (this may come from PDS) | /ClinicalDocument/recordTarget/patientRole/providerOrganization/name | | <name>Medway Medical Practice</name> |
| providerOrganization/telecom/@value  roviderOrganization/telecom/@use | Contact details of the GP Practice | | GP Practice contact details, with usage (probably WP – work place)  (this may come from PDS) | /ClinicalDocument/recordTarget/patientRole/providerOrganization/telecom/@value  /ClinicalDocument/recordTarget/patientRole/providerOrganization/telecom/@use | | <telecom value="tel:01634 111222" use="WP"/> |
| providerOrganization/templateId/@root  providerOrganization/templateId/@extension | None – a fixed value | | Always FIXED to  Root "2.16.840.1.113883.2.1.3.2.4.18.2"  Extension  "COCD\_TP145201GB01#providerOrganization" | /ClinicalDocument/recordTarget/patientRole/providerOrganization/templateId/@root  /ClinicalDocument/recordTarget/patientRole/providerOrganization/templateId/@extension | | <templateId root="2.16.840.1.113883.2.1.3.2.4.18.2" extension="COCD\_TP145201GB01#providerOrganization"/> |
| providerOrganization/addr/@use  providerOrganization /addr/streetAddressLine[1..5]  providerOrganization/addr/city  providerOrganization/addr/postalCode | Address of the patient’s registered GP Practice | | Address of GP Practice  (this may come from PDS) | /ClinicalDocument/recordTarget/patientRole/providerOrganization/addr/@use  /ClinicalDocument/recordTarget/patientRole/providerOrganization/addr/streetAddressLine  /ClinicalDocument/recordTarget/patientRole/providerOrganization/addr/city  /ClinicalDocument/recordTarget/patientRole/providerOrganization/addr/postalCode | | <addr use="WP">  <streetAddressLine>Springer Street</streetAddressLine>  <city>Medway</city>  <postalCode>ME5 5TY</postalCode>  </addr> |
| providerOrganization /standardIndustryClassCode/@code  providerOrganization /standardIndustryClassCode/@displayName  providerOrganization /standardIndustryClassCode/@codeSystem | None – a fixed value | | Always FIXED value to say this class refers to a GP Practice  Code “001”  displayName “GP Practice”  codeSystem “2.16.840.1.113883.2.1.3.2.4.17.289” | /ClinicalDocument/recordTarget/patientRole/providerOrganization/standardIndustryClassCode/@code  /ClinicalDocument/recordTarget/patientRole/providerOrganization/standardIndustryClassCode/@displayName  /ClinicalDocument/recordTarget/patientRole/providerOrganization/standardIndustryClassCode/@codeSystem | | <standardIndustryClassCode code="001"  displayName="GP Practice" codeSystem="2.16.840.1.113883.2.1.3.2.4.17.289"/> |
| patient/@classCode | None – a fixed code | | Always FIXED to “PSN” | /ClinicalDocument/recordTarget/patientRole/patient/@classCode | | <patient classCode="PSN" determinerCode="INSTANCE"> |
| patient/determinerCode | None – a fixed code | | Always FIXED to “INSTANCE” | /ClinicalDocument/recordTarget/patientRole/patient/@determinerCode | | <patient classCode="PSN" determinerCode="INSTANCE"> |
| patient/name/prefix  patient/name/given  patient/name/family | The name of the patient (use structured name format) | | The name of the patient split into prefix, given names and family name. If not possible, then an unstructured patient name | /ClinicalDocument/recordTarget/patientRole/patient/name/prefix  /ClinicalDocument/recordTarget/patientRole/patient/name/given  /ClinicalDocument/recordTarget/patientRole/patient/name/family | | <name>  <prefix>Mr</prefix>  <family>Joe</family>  <given>Bloggs</given>  </name>  OR  <name>Mr Joe Bloggs</name> |
| patient/templateId/@root  patient/templateId/@extension | None – a fixed vaue | | Always FIXED to  Root "2.16.840.1.113883.2.1.3.2.4.18.2"  Extension “COCD\_TP145201GB01#patientPatient” | /ClinicalDocument/recordTarget/patientRole/patient/templateId/@root  /ClinicalDocument/recordTarget/patientRole/patient/templateId/@extension | | <templateId extension="COCD\_TP145201GB01#patientPatient" root="2.16.840.1.113883.2.1.3.2.4.18.2"/> |
| patient/administrativeGenderCode/@code  patient/administrativeGenderCode/@codeSystem  patient/administrativeGenderCode/@displayName | The gender of the patient | | The patient’s gender (maybe from PDS). Values taken from the Sex vocabulary  codeSystem fixed to “2.16.840.1.113883.2.1.3.2.4.16.25” | /ClinicalDocument/recordTarget/patientRole/patient/administrativeGenderCode/@code  /ClinicalDocument/recordTarget/patientRole/patient/administrativeGenderCode/@codeSystem  /ClinicalDocument/recordTarget/patientRole/patient/administrativeGenderCode/@displayName | | <administrativeGenderCode codeSystem="2.16.840.1.113883.2.1.3.2.4.16.25"  displayName="Male"  code="1"/> |
| patient/birthTime/@value | The date of birth of the patient to the precision held | | The patient’s date of birth (maybe from PDS) | /ClinicalDocument/recordTarget/patientRole/patient/birthTime/@value | | <birthTime value="19890101"/> |
| languageCommunication/languageCode/@code | A code to represent the language used by the patient | | A code from the HumanLanguage vocab | /ClinicalDocument/recordTarget/patientRole/patient/languageCommunication/languageCode/@code | | <languageCode code="en"/> |
| languageCommunication/modeCode/@code  languageCommunication/modeCode/@codeSystem  languageCommunication/modeCode/@displayName | The mode in which the patient can communicate in the language code (such as spoken, written) | | A code from the Language ability mode vocab  OR  Another vocabulary for which codes and codesystem identifier is known | /ClinicalDocument/recordTarget/patientRole/patient/languageCommunication/modeCode/@code  /ClinicalDocument/recordTarget/patientRole/patient/languageCommunication/modeCode/@codeSystem  /ClinicalDocument/recordTarget/patientRole/patient/languageCommunication/modeCode/@displayName | | <modeCode code="RSP" codeSystem="2.16.840.1.113883.5.60" displayName="Received Spoken"/> |
| languageCommunication/proficiencyLevelCode | The proficiency level of the patient in the language | | A code from the Language ability proficiency vocab  OR  Another vocabulary for which codes and codesystem identifier is known | /ClinicalDocument/recordTarget/patientRole/patient/languageCommunication/proficiencyLevelCode/@code  /ClinicalDocument/recordTarget/patientRole/patient/languageCommunication/proficiencyLevelCode/@codeSystem  /ClinicalDocument/recordTarget/patientRole/patient/languageCommunication/proficiencyLevelCode/@displayName | | <proficiencyLevelCode  code="F" codeSystem="2.16.840.1.113883.5.61"  displayName="Fair"/> |
| languageCommunication/preferenceInd/@value | Indicates whether this language is the patient’s preferred language | | Either a boolean (true/false), or a null falvour of unknown | /ClinicalDocument/recordTarget/patientRole/patient/languageCommunication/preferenceInd/@value | | <preferenceInd value="true"/>  OR  <preferenceInd nullFlavor="UNK"/> |
| languageCommunication/templateId | None – a fixed value | | Always FIXED to  Root "2.16.840.1.113883.2.1.3.2.4.18.2"  Extension  “COCD\_TP145201GB01#languageCommunication” | /ClinicalDocument/recordTarget/patientRole/patient/languageCommunication/templateId/@root  /ClinicalDocument/recordTarget/patientRole/patient/languageCommunication/templateId/@extension | | <templateId extension="COCD\_TP145201GB01#languageCommunication" root="2.16.840.1.113883.2.1.3.2.4.18.2"/> |

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| **CDA Concept: author** | | **Contains the document author details. NOTE it is expected that author details will conform to the AuthorPersonUniversal conformance profile only.** | | | **Includes Generic CDA Classes**  **Author; assignedAuthor; representedOrganization; assignedperson** | |
| **CDA Data Item** | **Business relevance** | | **Value Guidance** | **Generic CDA Xpath** | | **Example** |
| author/typeCode | None – a fixed code | | Always FIXED to “AUT” | /ClinicalDocument/author/@typeCode | | <author typeCode="AUT" contextControlCode="OP"> |
| author/functionCode/@code  author/functionCode/@codeSystem  author/functionCode/@dispalyName | None – a fixed code | | Always FIXED  Code “OA”  codeSystem  “2.16.840.1.113883.2.1.3.2.4.17.178"  dispalyname “Originating Author” | /ClinicalDocument/author/functionCode/@code  /ClinicalDocument/author/functionCode/@codeSystem  /ClinicalDocument/author/functionCode/@displayName | | <functionCode code="OA" displayName="Originating Author" codeSystem="2.16.840.1.113883.2.1.3.2.4.17.178"/> |
| author/contextControlCode | None – a fixed code | | Always FIXED to “OP” | /ClinicalDocument/author/@contextControlCode | | <author typeCode="AUT" contextControlCode="OP"> |
| author/time/@time | The date/time the document was authored | | The system date/time the document authorship was completed | /ClinicalDocument/author/time/@value | | <time value="201105192000"/> |
| author/contentId/@root  author/contentId/@extension | Varies according to the type of author. Assuming person author only | | Assuming Person Author only  Always FIXED  Root “2.16.840.1.113883.2.1.3.2.4.18.16"  Extension "COCD\_TP145200GB01#AssignedAuthor” | /ClinicalDocument/author/npfitlc:contentId/@root  /ClinicalDocument/author/npfitlc:contentId/@extension | | <npfitlc:contentId root="2.16.840.1.113883.2.1.3.2.4.18.16" extension="COCD\_TP145200GB01#AssignedAuthor"/> |
| assignedAuthor/classCode | None – a fixed value | | Always FIXED to ASSIGNED | /ClinicalDocument/author/assignedAuthor/@classCode | | assignedAuthor classCode="ASSIGNED"> |
| assignedAuthor/id/@root  assignedAuthor/id/@extension | Identifiers to indicate the author – this might be an SDS identifier, or a local one | | A code system identifier such as “1.2.826.0.1285.0.2.0.65” for an SDS identifier, or “2.16.840.1.113883.2.1.3.2.4.18.24” for a local identifier, and the identifying code | /ClinicalDocument/author/assignedAuthor/id/@root  /ClinicalDocument/author/assignedAuthor/id/@extension | | <id root="2.16.840.1.113883.2.1.3.2.4.18.24"  extension="100"/> |
| assignedAuthor/code/@code  assignedAuthor/code/@codeSystem  assignedAuthor/code/@displayName | A code that describes the author’s job role – this might be from SDS, or a local code | | A code system identifier such as “2.16.840.1.113883.2.1.3.2.4.17.196” for an SDS Job Role code, or a local code system and a code from that code system | /ClinicalDocument/author/assignedAuthor/code/@code  /ClinicalDocument/author/assignedAuthor/code/@codeSystem  /ClinicalDocument/author/assignedAuthor/code/@displayName | | <code code="OOH02" codeSystem="2.16.840.1.113883.2.1.3.2.4.17.196"  displayName="Nurse Practitioner"/> |
| assignedAuthor/addr/@use  assignedAuthor/addr/streetAddressLine[1..5]  assignedAuthor/addr/city  assignedAuthor/addr/postalCode | The address of the author | | An address for the author – maybe from SDS | /ClinicalDocument/author/assignedAuthor/addr/@use  /ClinicalDocument/author/assignedAuthor/addr/streetAddressLine  /ClinicalDocument/author/assignedAuthor/addr/city  /ClinicalDocument/author/assignedAuthor/addr/postalCode | | <addr use=" WP">  <streetAddressLine>The Hospital</streetAddressLine>  <city>Cambridge</city>  <postalCode>CB1 1AA</postalCode>  </addr> |
| assignedAuthor/telecom/@value | Phone or email details of the author – maybe from SDS | | Author’s telecom details | /ClinicalDocument/author/assignedAuthor/telecom/@value | | <telecom value="tel:01234567890"></telecom> |
| assignedAuthor/templateId/@root  assignedAuthor/templateId/@extension | None – a fixed value | | Always FIXED to  Root "2.16.840.1.113883.2.1.3.2.4.18.2"  Extension "COCD\_TP145200GB01#AssignedAuthor" | /ClinicalDocument/author/assignedAuthor/templateId/@root  /ClinicalDocument/author/assignedAuthor/templateId/@extension | | <templateId root="2.16.840.1.113883.2.1.3.2.4.18.2" extension="COCD\_TP145200GB01#AssignedAuthor"/> |
| assignedPerson/@classCode | None – a fixed code | | Always FIXED to “PSN” | /ClinicalDocument/author/assignedAuthor/assignedPerson/@classCode | | <assignedPerson classCode="PSN" determinerCode="INSTANCE"> |
| assignedPerson/determinerCode | None – a fixed code | | Always FIXED to “INSTANCE” | /ClinicalDocument/author/assignedAuthor/assignedPerson/@determinerCode | | <assignedPerson classCode="PSN" determinerCode="INSTANCE"> |
| assignedPerson/name/prefix  assignedPerson/name/given  assignedPerson/name/surname | The name of the author | | The name of the author – maybe from SDS. In preference in structured format | /ClinicalDocument/author/assignedAuthor/assignedPerson/name/prefix  /ClinicalDocument/author/assignedAuthor/assignedPerson/name/given  /ClinicalDocument/author/assignedAuthor/assignedPerson/name/family | | <name>  <prefix>Ms</prefix>  <given>Mary</given>  <family>Jones</family>  </name>  OR  <name>Ms Mary Jones</name> |
| assignedPerson/templateId/@root  assignedPerson/templateId/@extension | None – a fixed code | | Always FIXED to  Root "2.16.840.1.113883.2.1.3.2.4.18.2"  Extension  "COCD\_TP145200GB01#assignedPerson" | /ClinicalDocument/author/assignedAuthor/assignedPerson/templateId/@root  /ClinicalDocument/author/assignedAuthor/assignedPerson/templateId/@extension | | <templateId root="2.16.840.1.113883.2.1.3.2.4.18.2" extension="COCD\_TP145200GB01#assignedPerson"/> |
| representedOrganization/classCode | None – a fixed code | | Always FIXED to “ORG” | /ClinicalDocument/author/assignedAuthor/representedOrganization/@classCode | | <representedOrganization classCode="ORG" determinerCode="INSTANCE"> |
| representedOrganization/determinerCode | None – a fixed code | | Always FIXED to “INSTANCE” | /ClinicalDocument/author/assignedAuthor/representedOrganization/@determinerCode | | <representedOrganization classCode="ORG" determinerCode="INSTANCE"> |
| representedOrganization/id/@root  representedOrganization/id/@extension | Either the organisation site code (preferred), or the organisation code of the author | | If a site code, root FIXED to “2.16.840.1.113883.2.1.3.2.4.19.2”  If an org code, root FIXED to “2.16.840.1.113883.2.1.3.2.4.19.1”  Plus the actual code | /ClinicalDocument/author/assignedAuthor/representedOrganization/id/@root  /ClinicalDocument/author/assignedAuthor/representedOrganization/id/@extension | | <id root="2.16.840.1.113883.2.1.3.2.4.19.1" extension="5L399"/> |
| representedOrganization/name | The organisation name associated with the code | | Org site, or org name | /ClinicalDocument/author/assignedAuthor/representedOrganization/name | | <name>Medway NHS Foundation Trust</name> |
| representedOrganization/templateId | None – a fixed code | | Always FIXED to  Root "2.16.840.1.113883.2.1.3.2.4.18.2"  Extension  "COCD\_TP145200GB01#representedOrganization" | /ClinicalDocument/author/assignedAuthor/representedOrganization/templateId/@root  /ClinicalDocument/author/assignedAuthor/representedOrganization/templateId/@extension | | <templateId root="2.16.840.1.113883.2.1.3.2.4.18.2" extension="COCD\_TP145200GB01#representedOrganization"/> |
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| **CDA Concept: informant (a person making a call to 111 who is not the patient)** | | **Contains informer details. It is expected that the only type of informant will be an individual NOT representing an organisation** | | | **Includes Generic CDA Classes**  **Informat; RelatedEntity; relatedPerson** | |
| **CDA Data Item** | **Business relevance** | | **Value Guidance** | **Generic CDA Xpath** | | **Example** |
| informat/typeCode | None – a fixed code | | Always FIXED to “INF” | /ClinicalDocument/informant/@typeCode | | <informant typeCode="INF" contextControlCode="OP"> |
| informat/contextControlCode | None – a fixed code | | Always FIXED to “OP” | /ClinicalDocument/informant/@contextControlCode | | <informant typeCode="INF" contextControlCode="OP"> |
| informat/contentId/@root  informat/contentId/@extension | None – a fixed code | | Assuming RelatedEntity  Always FIXED  Root “2.16.840.1.113883.2.1.3.2.4.18.16”  Extension “COCD\_TP145007UK03#RelatedEntity” | /ClinicalDocument/informant/npfitlc:contentId/@extension  /ClinicalDocument/informant/npfitlc:contentId/@root | | <npfitlc:contentId extension="COCD\_TP145007UK03#RelatedEntity" root="2.16.840.1.113883.2.1.3.2.4.18.16"/> |
| relatedEntity/@classCode | None – a fixed code | | Always FIXED to “PRS” | /ClinicalDocument/informant/relatedEntity/@classCode | | <relatedEntity classCode="PRS"> |
| relatedEntity/code/@code  relatedEntity/code/@codeSystem  relatedEntity/code/@displayName | A code to represent the relationship between the informant & patient | | A code from the CDAPersonRelationshipType vocab  codeSystem FIXED to “2.16.840.1.113883.2.1.3.2.4.16.45" | /ClinicalDocument/informant/relatedEntity/code/@code  /ClinicalDocument/informant/relatedEntity/code/@codeSystem  /ClinicalDocument/informant/relatedEntity/code/@displayName | | <code code="01" codeSystem="2.16.840.1.113883.2.1.3.2.4.16.45"  displayName="Spouse"/> |
| relatedEntity /addr/@use  relatedEntity /addr/streetAddressLine[1..5]  relatedEntity /addr/city  relatedEntity /addr/postalCode | An address associated with the informant | | Informants address | /ClinicalDocument/informant/relatedEntity/addr/@use  /ClinicalDocument/informant/relatedEntity/addr/streetAddressLine[1]  /ClinicalDocument/informant/relatedEntity/addr/city  /ClinicalDocument/informant/relatedEntity/addr/postalCode | | <addr use="HP">  <streetAddressLine>43 Summers Avenue</streetAddressLine>  <streetAddressLine>Somerset Street</streetAddressLine>  <city>Medway</city>  <postalCode>ME5 7TY</postalCode>  </addr> |
| relatedEntity/telecom/@value  relatedEntity/telecom/@use | A phone number of the informant. This is a callback phone number for the event | | Call back details of an informant  If this is deemed the preferred contact for the NHS111 encounter, set the use attribute to “EC” (emergency contact) | /ClinicalDocument/informant/relatedEntity/telecom/@value  /ClinicalDocument/informant/relatedEntity/telecom/@use | | <telecom value="tel:07886554123" use="MC"/> |
| relatedEntity/templateId/@root  relatedEntity/templateId/@extension | None – a fixed value | | Always FIXED to  Root "2.16.840.1.113883.2.1.3.2.4.18.2"  Extension “COCD\_TP145007UK03#RelatedEntity” | /ClinicalDocument/informant/relatedEntity/templateId/@root  /ClinicalDocument/informant/relatedEntity/templateId/@extension | | <templateId extension="COCD\_TP145007UK03#RelatedEntity" root="2.16.840.1.113883.2.1.3.2.4.18.2"/> |
| relatedPerson/classCode | None – a fixed code | | Always FIXED to “PSN” | /ClinicalDocument/informant/relatedEntity/relatedPerson/@classCode | | <relatedPerson classCode="PSN" determinerCode="INSTANCE"> |
| relatedPerson/determinerCode | None – a fixed code | | Always FIXED to “INSTANCE” | /ClinicalDocument/informant/relatedEntity/relatedPerson/@determinerCode | | <relatedPerson classCode="PSN" determinerCode="INSTANCE"> |
| relatedPerson/name/prefix  relatedPerson/name/given  relatedPerson/name/family | The name of the informant | | Informant name preferably in structured format | /ClinicalDocument/informant/relatedEntity/relatedPerson/name/prefix  /ClinicalDocument/informant/relatedEntity/relatedPerson/name/given  /ClinicalDocument/informant/relatedEntity/relatedPerson/name/family | | < name>  <prefix>Mrs</prefix>  <given>Helga</given>  <family>Bloggs</family>  </name> |
| relatedPerson/templateId/@root  relatedPerson/templateId/@extension | None – a fixed code | | Always FIXED to  Root "2.16.840.1.113883.2.1.3.2.4.18.2"  Extension “COCD\_TP145007UK03#relationshipHolder” | /ClinicalDocument/informant/relatedEntity/relatedPerson/templateId/@root  /ClinicalDocument/informant/relatedEntity/relatedPerson/templateId/@extension | | <templateId extension="COCD\_TP145007UK03#relationshipHolder" root="2.16.840.1.113883.2.1.3.2.4.18.2"/> |
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| **CDA Concept: custodian – an organisation responsible for the clinical document** | | **Contains custodian details. In CDA this is always the organisation responsible for the message.** | | | **Includes Generic CDA Classes**  **Custodian; assignedCustodian; representedCustodianOrganization** | |
| **CDA Data Item** | **Business relevance** | | **Value Guidance** | **Generic CDA Xpath** | | **Example** |
| custodian/typeCode | None, a fixed value | | Always FIXED to “PRCP” | /ClinicalDocument/custodian/@typeCode | | <custodian typeCode="CST"> |
| custodian/npfit:contentid/@root  custodian/npfit:contentid/@extension | None, a fixed value | | Always FIXED  Root “2.16.840.1.113883.2.1.3.2.4.18.16”  Extension “COCD\_TP145018UK03#AssignedCustodian” | /ClinicalDocument/custodian/npfitlc:contentId/@root  /ClinicalDocument/custodian/npfitlc:contentId/@extension | | <npfitlc:contentId root="2.16.840.1.113883.2.1.3.2.4.18.16" extension="COCD\_TP145018UK03#AssignedCustodian"/> |
| assignedCustodian/classCode | None, a fixed value | | Always FIXED to “ASSIGNED” | /ClinicalDocument/custodian/assignedCustodian/@classCode | | <assignedCustodian classCode="ASSIGNED"> |
| assignedCustodian/templateid/@root  assignedCustodian/templateid/@extension | None, a fixed value | | Always FIXED  Root  “2.16.840.1.113883.2.1.3.2.4.18.2"  Extension “COCD\_TP145018UK03#AssignedCustodian” | /ClinicalDocument/custodian/assignedCustodian/templateId/@root  /ClinicalDocument/custodian/assignedCustodian/templateId/@extension | | <templateId root="2.16.840.1.113883.2.1.3.2.4.18.2" extension="COCD\_TP145018UK03#AssignedCustodian"/> |
| representedCustodianOrganization/@classCode | None, a fixed value | | Always FIXED to “ORG” | /ClinicalDocument/custodian/assignedCustodian/representedCustodianOrganization/@classCode | | <representedCustodianOrganization classCode="ORG" determinerCode="INSTANCE"> |
| representedCustodianOrganization/@determinerCode | None, a fixed value | | Always Fixed to “INSTANCE” | /ClinicalDocument/custodian/assignedCustodian/representedCustodianOrganization/@determinerCode | | <representedCustodianOrganization classCode="ORG" determinerCode="INSTANCE"> |
| representedCustodianOrganization/templateId/@root  representedCustodianOrganization/templateId/@extension | None, a fixed value | | Always FIXED  Root “2.16.840.1.113883.2.1.3.2.4.18.2”  Extension “COCD\_TP145018UK03#representedCustodianOrganization” | /ClinicalDocument/custodian/assignedCustodian/representedCustodianOrganization/templateId/@root  /ClinicalDocument/custodian/assignedCustodian/representedCustodianOrganization/templateId/@extension | | <templateId root="2.16.840.1.113883.2.1.3.2.4.18.2" extension="COCD\_TP145018UK03#representedCustodianOrganization"/> |
| representedCustodianOrganization/id/@root  representedCustodianOrganization/id/@extension | The identifier of the custodian organisation | | Either the ODS site (preferred), or ODS organisation code of the custodian organisation  Root is either  “2.16.840.1.113883.2.1.3.2.4.19.2" (for site)  OR  2.16.840.1.113883.2.1.3.2.4.19.1" (for org) | /ClinicalDocument/custodian/assignedCustodian/representedCustodianOrganization/id/@root  /ClinicalDocument/custodian/assignedCustodian/representedCustodianOrganization/id/@extension | | <id root="2.16.840.1.113883.2.1.3.2.4.19.1" extension="5L3"/> |
| representedCustodianOrganization/name | The ODA name of the custodian organisation | | The name of the organisation taken from ODS | /ClinicalDocument/custodian/assignedCustodian/representedCustodianOrganization/name | | <name>Medway NHS Foundation Trust</name> |

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| **CDA Concept: recipient – includes both information recipient (i.e. primary recipient) and trackers (i.e. copy to recipient)** | | **Recipient details – This document assumes that recipients either organisations (such as an A&E department, GP Practice, OOH OR a person such as a GP)** | | | **Includes Generic CDA Classes**  **informationRecipient; intendedRecipient; representedOrganization; assignedPerson** | |
| **CDA Data Item** | **Business relevance** | | **Value Guidance** | **Generic CDA Xpath** | | **Example** |
| InformationRecipient/typeCode | None, a fixed value | | Always a FIXED value.  For information recipient “PRPC”  For trackers “TRC” | /ClinicalDocument/informationRecipient/@typeCode | | <informationRecipient typeCode="PRCP"> |
| InformationRecipient/npfitlc:contentId/@root  InformationRecipient/npfitlc:contentId/@extension | None, a fixed value | | Always a FIXED value (but varies depending on whether the receiver is an org or person)  Root is always “2.16.840.1.113883.2.1.3.2.4.18.16  Extension for org is “COCD\_TP145203GB03#IntendedRecipient”  Extension for person is “COCD\_TP145202GB02#IntendedRecipient” | /ClinicalDocument/informationRecipient/npfitlc:contentId/@root  /ClinicalDocument/informationRecipient/npfitlc:contentId/@extension | | <npfitlc:contentId root="2.16.840.1.113883.2.1.3.2.4.18.16" extension="COCD\_TP145203GB03#IntendedRecipient"/> |
| For an Organisation |  | |  |  | |  |
| intendedRecipient/@classCode | None, a fixed value | | Always FIXED to “ASSIGNED” | /ClinicalDocument/informationRecipient[1]/intendedRecipient/@classCode | | <intendedRecipient classCode="ASSIGNED"> |
| intendedRecipient/templateId | None, a fixed value | | Always FIXED  Root “2.16.840.1.113883.2.1.3.2.4.18.2”  Extension “COCD\_TP145203GB03#IntendedRecipient” | /ClinicalDocument/informationRecipient[1]/intendedRecipient/templateId/@extension  /ClinicalDocument/informationRecipient[1]/intendedRecipient/templateId/@root | | <templateId extension="COCD\_TP145203GB03#IntendedRecipient" root="2.16.840.1.113883.2.1.3.2.4.18.2"/> |
| intendedRecipient/addr/@use  intendedRecipient/addr/streeAddressLine  intendedRecipient/addr/postalCode | Use this where the postal address of the recipient is useful. Use case is a GP branch surgery where the branch doesn’t have an ODS code | | Use FIX to “WP”  streetAddressLine if the location address  postalAddress is the location post code | /ClinicalDocument/informationRecipient[1]/intendedRecipient/addr  /ClinicalDocument/informationRecipient[1]/intendedRecipient/addr/streetAddressLine[1]  /ClinicalDocument/informationRecipient[1]/intendedRecipient/addr/postalCode | | <addr use="WP">  <streetAddressLine>Thames Medical Practice</streetAddressLine>  <streetAddressLine>Hill Street Branch Surgery</streetAddressLine>  <streetAddressLine>Medway</streetAddressLine>  <streetAddressLine>Essex</streetAddressLine>  <postalCode>ME4 5TT</postalCode>  </addr> |
| intendedRecipient/telecom/@value  intendedRecipient/telecom/@use | The contact details for the recipient | | Contact details for the recipient. Use will probably be “WP” – workplace | /ClinicalDocument/informationRecipient[1]/intendedRecipient/telecom/@use  /ClinicalDocument/informationRecipient[1]/intendedRecipient/telecom/@value | | <telecom use="WP" value="tel:01234576789"></telecom> |
| receivedOrganization/@classCode | None – a fixed value | | Always FIXED to “ORG” | /ClinicalDocument/informationRecipient[1]/intendedRecipient/receivedOrganization/@classCode | | <receivedOrganization classCode="ORG" determinerCode="INSTANCE"> |
| receivedOrganization/@determinerCode | None – a fixed value | | Always FIXED to “INSTANCE” | /ClinicalDocument/informationRecipient[1]/intendedRecipient/receivedOrganization/@determinerCode | | <receivedOrganization classCode="ORG" determinerCode="INSTANCE"> |
| receivedOrganization/id/@root  receivedOrganization/id/@extension | An identifier from ODS for the receiving organisation | | Either the ODS site code, or the ODS organisation code  For site, root “2.16.840.1.113883.2.1.3.2.4.19.2”  For organisation, root “2.16.840.1.113883.2.1.3.2.4.19.1”  Extension is the ODS code | /ClinicalDocument/informationRecipient[1]/intendedRecipient/receivedOrganization/id/@extension  /ClinicalDocument/informationRecipient[1]/intendedRecipient/receivedOrganization/id/@root | | <id extension="EM396" root="2.16.840.1.113883.2.1.3.2.4.19.1"/> |
| receivedOrganization/name | The name of the organisation | | The name of the organisation as supplied by ODS | /ClinicalDocument/informationRecipient[1]/intendedRecipient/receivedOrganization/name | | <name>Medway Kent Out of Hours Clinic</name> |
| receivedOrganization/templateId/@root  receivedOrganization/templateId/@extension | None – a fixed value | | Always FIXED  Root “2.16.840.1.113883.2.1.3.2.4.18.2”  Extension “COCD\_TP145203GB03#representedOrganization" | /ClinicalDocument/informationRecipient[1]/intendedRecipient/receivedOrganization/templateId/@extension  /ClinicalDocument/informationRecipient[1]/intendedRecipient/receivedOrganization/templateId/@root | | <templateId extension="COCD\_TP145203GB03#representedOrganization" root="2.16.840.1.113883.2.1.3.2.4.18.2"/> |
| For a Person |  | |  |  | |  |
| intendedRecipient/@classCode | None, a fixed value | | Always FIXED to “ASSIGNED” | /ClinicalDocument/informationRecipient[1]/intendedRecipient/@classCode | | <intendedRecipient classCode="ASSIGNED"> |
| intendedRecipient/templateId | None, a fixed value | | Always FIXED  Root “2.16.840.1.113883.2.1.3.2.4.18.2”  Extension “COCD\_TP145202GB02#IntendedRecipient” | /ClinicalDocument/informationRecipient[1]/intendedRecipient/templateId/@extension  /ClinicalDocument/informationRecipient[1]/intendedRecipient/templateId/@root | | <templateId extension="COCD\_TP145202GB02#IntendedRecipient" root="2.16.840.1.113883.2.1.3.2.4.18.2"/> |
| intendedRecipient/id/@root  intendedRecipient/id/@extension | An identifier for the recipient person | | An identifier for the recipient. Preference is an SDS identifier,  Root “1.2.826.0.1285.0.2.0.65”  And extension is the SDS identifier  but could be a local identifier (with an assigning authority name) root “2.16.840.1.113883.2.1.3.2.4.18.24”, extension is the identifier, and assigningauthorityname | /ClinicalDocument/informationRecipient[2]/intendedRecipient/id/@root  /ClinicalDocument/informationRecipient[2]/intendedRecipient/id/@extension  /ClinicalDocument/informationRecipient[2]/intendedRecipient/id/@assigningAuthorityName | | <id root="2.16.840.1.113883.2.1.3.2.4.18.24" extension="abc123" assigningAuthorityName="THENHSTRUSTNAME"/> |
| intendedRecipient/telecom/@use  intendedRecipient/telecom/@value | The contact details of the person | | Contact details for the recipient. Use will probably be “WP” – workplace | /ClinicalDocument/informationRecipient[2]/intendedRecipient/telecom/@use  /ClinicalDocument/informationRecipient[2]/intendedRecipient/telecom/@value | | <telecom use="WP" value="tel:02345676789"/> |
| intendedRecipient/recipientRoleCode/@code  intendedRecipient/recipientRoleCode/@codeSystem  intendedRecipient/recipientRoleCode/@displayName | The role of the recipient person | | The role of the recipient  codeSystem is fixed to “2.16.840.1.113883.2.1.3.2.4.17.124”  code and display name from the vocab | /ClinicalDocument/informationRecipient[2]/intendedRecipient/npfitlc:recipientRoleCode/@code  /ClinicalDocument/informationRecipient[2]/intendedRecipient/npfitlc:recipientRoleCode/@codeSystem  /ClinicalDocument/informationRecipient[2]/intendedRecipient/npfitlc:recipientRoleCode/@displayName | | <npfitlc:recipientRoleCode code="NR0260" codeSystem="2.16.840.1.113883.2.1.3.2.4.17.124" displayName="General Medical Practitioner"/> |
| informationRecipient/@classCode | None, a fixed code | | Always FIXED to “PSN” | /ClinicalDocument/informationRecipient[2]/intendedRecipient/informationRecipient/@classCode | | <informationRecipient classCode="PSN" determinerCode="INSTANCE"> |
| informationRecipient/@determinerCode | None, a fixed code | | Always FIXED to “INSTANCE” | /ClinicalDocument/informationRecipient[2]/intendedRecipient/informationRecipient/@determinerCode | | <informationRecipient classCode="PSN" determinerCode="INSTANCE"> |
| informationRecipient/name/prefix  informationRecipient/name/given  informationRecipient/name/family | The name of the recipient, preferably in a structured format | | The name of the person split into prefix, given and family parts by preference | /ClinicalDocument/informationRecipient[2]/intendedRecipient/informationRecipient/name  /ClinicalDocument/informationRecipient[2]/intendedRecipient/informationRecipient/name/given  /ClinicalDocument/informationRecipient[2]/intendedRecipient/informationRecipient/name/family  /ClinicalDocument/informationRecipient[2]/intendedRecipient/informationRecipient/name/prefix | | <name>  <given>Pauline</given>  <family>Shelley</family>  <prefix>Ms</prefix>  </name>  Or  <name> Ms Pauline Shelley</name> |
| informationRecipient/templateId/@root  informationRecipient/templateId/@extension | None, a fixed code | | Always fixed  Root “2.16.840.1.113883.2.1.3.2.4.18.2”  Extension “COCD\_TP145202GB02#IntendedRecipient" | /ClinicalDocument/informationRecipient[2]/intendedRecipient/informationRecipient/templateId/@extension  /ClinicalDocument/informationRecipient[2]/intendedRecipient/informationRecipient/templateId/@root | | <templateId extension="COCD\_TP145202GB02#assignedPerson" root="2.16.840.1.113883.2.1.3.2.4.18.2"/> |
| receivedOrganization/@classCode | None, a fixed code | | Always FIXED to “ORG” | /ClinicalDocument/informationRecipient[2]/intendedRecipient/receivedOrganization/@classCode | | <receivedOrganization classCode="ORG" determinerCode="INSTANCE"> |
| receivedOrganization/@determinerCode | None, a fixed code | | Always FIXED to “INSTANCE” | /ClinicalDocument/informationRecipient[2]/intendedRecipient/receivedOrganization/@determinerCode | | <receivedOrganization classCode="ORG" determinerCode="INSTANCE"> |
| receivedOrganization/id/@root  receivedOrganization/id/@extension | The ODS identifier for the patient’s registeredGP practice | | The ODS code for the GP Practice, site code is preferred  For site code root is “2.16.840.1.113883.2.1.3.2.4.19.2”  For org code, root is “2.16.840.1.113883.2.1.3.2.4.19.1"  Extension is the ODS code | /ClinicalDocument/informationRecipient[2]/intendedRecipient/receivedOrganization/id/@extension  /ClinicalDocument/informationRecipient[2]/intendedRecipient/receivedOrganization/id/@root | | <id extension="W123" root="2.16.840.1.113883.2.1.3.2.4.19.1"/> |
| receivedOrganization/name | The name of the GP Practice | | Name of the GP Practice | /ClinicalDocument/informationRecipient[2]/intendedRecipient/receivedOrganization/name | | <name>Medway Medical Practice</name> |
| receivedOrganization/stanardIndustryClassCode/@code  receivedOrganization/stanardIndustryClassCode/@codeSystem  receivedOrganization/stanardIndustryClassCode/@displayName | None, a fixed code | | A fixed code (to say that this class represents the patient’s GP practice)  Code “001”  CodeSystem “2.16.840.1.113883.2.1.3.2.4.17.191”  displayName “General Medical Practice” | /ClinicalDocument/informationRecipient[2]/intendedRecipient/receivedOrganization/standardIndustryClassCode/@code  /ClinicalDocument/informationRecipient[2]/intendedRecipient/receivedOrganization/standardIndustryClassCode/@codeSystem  /ClinicalDocument/informationRecipient[2]/intendedRecipient/receivedOrganization/standardIndustryClassCode/@displayName | | <standardIndustryClassCode code="001" codeSystem="2.16.840.1.113883.2.1.3.2.4.17.191"  displayName="General Medical Practice"/> |
| receivedOrganization/templateId/@root  receivedOrganization/templateId/@extension | None, a fixed code | | Always a FIXED code  Root “2.16.840.1.113883.2.1.3.2.4.18.2”  Extension “COCD\_TP145202GB02#representedOrganization” | /ClinicalDocument/informationRecipient[2]/intendedRecipient/receivedOrganization/templateId/@extension  /ClinicalDocument/informationRecipient[2]/intendedRecipient/receivedOrganization/templateId/@root | | <templateId extension="COCD\_TP145202GB02#representedOrganization" root="2.16.840.1.113883.2.1.3.2.4.18.2"/> |

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| **CDA Concept: participant – this is to be used to record the (postal) address of the organisation site to which the patient has been directed. The typeCode will be FIXED to REFT (Referred to)** | | **The physical address for the site (WiC / OOH etc.) a patient been directed to is important, as the correspondence address (i.e. the code for the recipient) may represent a higher level organisation than the actual WiC / OOH etc. site.** | | | **Only use the conformance template “DocumentParticipantUniversal” and within this template, use classes AssignedEntity and scopingOrganization only as stated below** | |
| **CDA Data Item** | **Business relevance** | | **Value Guidance** | **Generic CDA Xpath** | | **Example** |
| participant/typeCode | None, a fixed value | | Always a FIXED value.  “REFT” | /ClinicalDocument/participant/@typeCode | | <participant typeCode="REFT" contextControlCode="OP"> |
| Participant/functionCode | Omit this attribute (not required for NHS111) | |  |  | |  |
| participant/contextControlCode | None, a fixed value | | Always a FIXED value.  “OP” | /ClinicalDocument/participant/@ contextControlCode | | <participant typeCode="REFT" contextControlCode="OP"> |
| participant/npfitlc:contentId/@root  participant/npfitlc:contentId/@extension | None, a fixed value | | Always a FIXED value (as we always use the same template for the pilot)  Root is always “2.16.840.1.113883.2.1.3.2.4.18.16”  Extension is “COCD\_TP145214GB01#AssociatedEntity” | /ClinicalDocument/participant/npfitlc:contentId/@root  /ClinicalDocument/participant/npfitlc:contentId/@extension | | <npfitlc:contentId root="2.16.840.1.113883.2.1.3.2.4.18.16" extension="COCD\_TP145214GB01#AssociatedEntity"> |
| associatedEntity/@classCode | None, a fixed value | | Always a FIXED value “ASSIGNED” | /ClinicalDocument/participant/associatedEntity/@classCode | | <associatedEntity classCode="ASSIGNED "> |
| associatedEntity/templateId/@root  associatedEntity/templateId/@extension | None, a fixed value | | Always a FIXED value  Root is always “2.16.840.1.113883.2.1.3.2.4.18.2”  Extension is always  “COCD\_TP145214GB01#AssociatedEntity” | /ClinicalDocument/participant/associatedEntity/templateId/@root  /ClinicalDocument/participant/associatedEntity/templateId/@extension | | <templateId root="2.16.840.1.113883.2.1.3.2.4.18.2" extension="COCD\_TP145214GB01#AssociatedEntity"/> |
| associatedEntity/id/@root  associatedEntity/id/@extension | If available, this is the ODS site code where the patient has been referred to | | Root is FIXED to “2.16.840.1.113883.2.1.3.2.4.19.2”  Extension is the ODS site code where the patient was referred. | /ClinicalDocument/participant/associatedEntity/id/@root  /ClinicalDocument/participant/associatedEntity/id/@extension | | <id root="2.16.840.1.113883.2.1.3.2.4.19.2" extension="R8722"/> |
| associatedEntity/addr/@use  associatedEntity/addr/streetAddressLine [1..5]  associatedEntity/addr/postalCode | This is mandatory – this is the actual site address of the place where the patient has been directed to attend. | | Use is FIXED to “PHYS” (physical address)  streetAddressLine [1..5] is the address of the site the patient was directed to.  postalCode is the postcode of the site the patient was directed to. | /ClinicalDocument/participant/associatedEntity/addr/@use  /ClinicalDocument/participant/associatedEntity/addr/streetAddressLine[1..5]  /ClinicalDocument/participant/associatedEntity/addr/postalCode | | <addr use="PHYS">  <streetAddressLine>Church Street Walk in Centre</streetAddressLine>  <streetAddressLine>4 Church Street</streetAddressLine>  <streetAddressLine>Medway</streetAddressLine>  <postalCode>ME8 7TT</postalCode>  </addr> |
| associatedEntity/telecom/@use  associatedEntity/telecom/@value | If available, the telecom details of the place where the patient has been directed to attend. | | Use is FIXED to “EC” (emergency contact)  Value is usually a telephone number for the site | /ClinicalDocument/participant/associatedEntity/telecom/@use  /ClinicalDocument/participant/associatedEntity/telecom/@value | | <telecom use="EC" value="tel:0123456789"/> |
| scopingOrganization/@classCode | None, a fixed value | | Always FIXED to “ORG” | /ClinicalDocument/participant/associatedEntity/scopingOrganization/@classCode | | <scopingOrganization classCode="ORG" determinerCode="INSTANCE"> |
| scopingOrganization/@determinerCode | None, a fixed value | | Always FIXED to “INSTANCE” | /ClinicalDocument/participant/associatedEntity/scopingOrganization/@determinerCode | | <scopingOrganization classCode="ORG" determinerCode="INSTANCE"> |
| scopingOrganization/templateId/@root  scopingOrganization/templateId/@extension | None, a fixed value | | Always a FIXED value  Root is always “2.16.840.1.113883.2.1.3.2.4.18.2”  Extension is always  “COCD\_TP145214GB01#scopingOrganization” | /ClinicalDocument/participant/associatedEntity/templateId/@root  /ClinicalDocument/participant/associatedEntity/templateId/@extension | | <templateId root="2.16.840.1.113883.2.1.3.2.4.18.2" extension="COCD\_TP145214GB01#scopingOrganization"/> |
| scopingOrganization/id/@root  scopingOrganization/id/@extenssion | This is either the org site, or organisation code that owns the associatedEntity/addr documented above | | Root is Always FIXED to  For Org Site “2.16.840.1.113883.2.1.3.2.4.19.2”  Extension is the org site code  For an Organisation “2.16.840.1.113883.2.1.3.2.4.19.1”  Extension is org code | /ClinicalDocument/participant/associatedEntity/scopingOrganization/id/@root  /ClinicalDocument/participant/associatedEntity/scopingOrganization/id/@extension | | <id root="2.16.840.1.113883.2.1.3.2.4.19.1" extension="RE3"></id> |
| scopingOrganization/name | This is the name associated with the org site or organisation above | | The name of the org site or organisation | /ClinicalDocument/participant/associatedEntity/scopingOrganization/name | | <name>Medway Community Hospital</name> |
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| **CDA Concept: EncompassingEncounter** | | **Contains details of where the 111 incident took place, when it took place, the NHS 111 disposition code, 111 case reference** | | | **Includes Generic CDA Classes**  **componentOf; encompassingEncounter; location; healthCareFacility; location; serviceProviderOrganization** | |
| **CDA Data Item** | **Business relevance** | | **Value Guidance** | **Generic CDA Xpath** | | **Example** |
| componentOf/@typeCode | None – a fixed code | | Always FIXED to “COMP” | /ClinicalDocument/componentOf/@typeCode | | <componentOf typeCode="COMP"> |
| componentOf/npfitlc:contentId/@root  componentOf/npfitlc:contentId/@extension | None – a fixed code | | Always FIXED  Root “2.16.840.1.113883.2.1.3.2.4.18.16"  Extension “COCD\_TP146232GB01#EncompassingEncounter" | /ClinicalDocument/componentOf/npfitlc:contentId/@root  /ClinicalDocument/componentOf/npfitlc:contentId/@extension | | <npfitlc:contentId root="2.16.840.1.113883.2.1.3.2.4.18.16" extension="COCD\_TP146232GB01#EncompassingEncounter"/> |
| encompassingEncounter/@classCode | None – a fixed code | | Always FIXED to “ENC” | /ClinicalDocument/componentOf/encompassingEncounter/@classCode | | <encompassingEncounter classCode="ENC" moodCode="EVN"> |
| encompassingEncounter/@moodCode | None – a fixed code | | Always FIXED to “EVN” | /ClinicalDocument/componentOf/encompassingEncounter/@moodCode | | <encompassingEncounter classCode="ENC" moodCode="EVN"> |
| encompassingEncounter/templateId/@root  encompassingEncounter/templateId/@extansion | None – a fixed code | | Always FIXED  Root “2.16.840.1.113883.2.1.3.2.4.18.2”  Extension “COCD\_TP146232GB01#EncompassingEncounter" | /ClinicalDocument/componentOf/encompassingEncounter/templateId/@root  /ClinicalDocument/componentOf/encompassingEncounter/templateId/@extension | | <templateId root="2.16.840.1.113883.2.1.3.2.4.18.2" extension="COCD\_TP146232GB01#EncompassingEncounter"/> |
| encompassingEncounter/id/@root  encompassingEncounter/id/@extension | Up to 2 111 case identifiers. First is unique reference number, second is local case identifier | | For the unique case refernce  Root “2.16.840.1.113883.2.1.3.2.4.18.34”  For local identifier  Root “2.16.840.1.113883.2.1.3.2.4.18.35"  Extension (in each case) is the actual code | /ClinicalDocument/componentOf/encompassingEncounter/id[1]/@root  /ClinicalDocument/componentOf/encompassingEncounter/id[1]/@extension | | <id root="2.16.840.1.113883.2.1.3.2.4.18.34" extension="CASEREF1234"/> |
| encompassingEncounter/code/@code  encompassingEncounter/code/@codeSystem  encompassingEncounter/code/@displayName | None – a fixed code | | Always FIXED  Code NOT YET DEFINED  displayName NOT YET DEFINED  CodeSystem “2.16.840.1.113883.2.1.3.2.4.17.326” | /ClinicalDocument/componentOf/encompassingEncounter/code/@code  /ClinicalDocument/componentOf/encompassingEncounter/code/@codeSystem  /ClinicalDocument/componentOf/encompassingEncounter/code/@displayName | | <code code="NHS111Encounter" codeSystem="2.16.840.1.113883.2.1.3.2.4.17.326" displayName="NHS111 Encounter"/> |
| encompassingEncounter/effectiveTime/low/@value  encompassingEncounter/effectiveTime/high/@value | The start (low) and end (high) of the 111 encounter | | The low value represent the start time of the case on the 111 system  The high value represents the end time of the case on the 111 system | /ClinicalDocument/componentOf/encompassingEncounter/effectiveTime/low/@value  /ClinicalDocument/componentOf/encompassingEncounter/effectiveTime/high/@value | | <effectiveTime>  <low value="201105191945"/>  <high value="201105192015"/>  </effectiveTime> |
| encompassingEncounter/discharegDispositionCode | A code to represent how the 111 encounter ended | | The final disposition code of the 111 encounter.  CodeSystem is fixed to “2.16.840.1.113883.2.1.3.2.4.17.325”  Code and dispalyName are taken from the vocab | /ClinicalDocument/componentOf/encompassingEncounter/dischargeDispositionCode/@code  /ClinicalDocument/componentOf/encompassingEncounter/dischargeDispositionCode/@codeSystem  /ClinicalDocument/componentOf/encompassingEncounter/dischargeDispositionCode/@displayName | | <dischargeDispositionCode code="2.16.840.1.113883.2.1.3.2.4.17.325"  codeSystem="Dx009"  displayName="Go to the nearest Emergency Department within 4 hours."/> |
| responsibleParty | This is the person responsible for the 111 event (such as a supervisor). For the purposes of this pilot this detail is not documented here. | |  |  | |  |
| encounterParticipant | This is someone who has been consulted during the course of the 111 encounter. For the purposes of this pilot this detail is not documented here. | |  |  | |  |
| **Location. For a NHS111 report, location details are sent as below. (note that the healthcareFacility id field is set to a null flavour of “NA” – not applicable as this is used for gazetteer look up, which won’t be available to a GP, OOH service & A&E department)** | | | | | | |
| Location/@typeCode | None – a fixed code | | Always FIXED to “LOC” | /ClinicalDocument/componentOf/encompassingEncounter/location/@typeCode | | <location typeCode="LOC"> |
| Location/contentId/@root  Location/contentId/@extension | None – a fixed code | | Always FIXED  Root “2.16.840.1.113883.2.1.3.2.4.18.16"  Extension "COCD\_TP145222GB02#HealthCareFacility" | /ClinicalDocument/componentOf/encompassingEncounter/location/npfitlc:contentId/@root  /ClinicalDocument/componentOf/encompassingEncounter/location/npfitlc:contentId/@extension | | <npfitlc:contentId root="2.16.840.1.113883.2.1.3.2.4.18.16" extension="COCD\_TP145222GB02#HealthCareFacility"/> |
| Location/templateId/@root  Location/templateId/@extension | None – a fixed code | | Always FIXED  Root “2.16.840.1.113883.2.1.3.2.4.18.2”  Extension “COCD\_TP146232GB01#location" | /ClinicalDocument/componentOf/encompassingEncounter/location/templateId/@root  /ClinicalDocument/componentOf/encompassingEncounter/location/templateId/@extension | | <templateId root="2.16.840.1.113883.2.1.3.2.4.18.2" extension="COCD\_TP146232GB01#location"/> |
| healthCareFacility/@classCode | None – a fixed code | | Always FIXED to “ISDLOC” | /ClinicalDocument/componentOf/encompassingEncounter/location/healthCareFacility/@classCode | | <healthCareFacility classCode="ISDLOC"> |
| healthCareFacility/id | None – fix to null flavour as shown | | As there is no location identifier when the recipient has no access to a gazetteer, fix id to a nullFlavor of “NA” | /AmbulanceRequest/pertinentInformation5/pertinentEncounterEvent/location/healthCareFacility/id/@nullflavor=”NA” | | <id nullFlavor=”NA”/> |
| healthCareFacility/templateId/@root  healthCareFacility/templateId/@extension | None – a fixed code | | Always FIXED  Root “2.16.840.1.113883.2.1.3.2.4.18.2”  Extension “COCD\_TP145222GB02#HealthCareFacility" | /ClinicalDocument/componentOf/encompassingEncounter/location/healthCareFacility/templateId/@extension  /ClinicalDocument/componentOf/encompassingEncounter/location/healthCareFacility/templateId/@root | | <templateId extension="COCD\_TP145222GB02#HealthCareFacility" root="2.16.840.1.113883.2.1.3.2.4.18.2"/> |
| healthCareFacility/code/@code  healthCareFacility/code/@codeSystem  healthCareFacility/code/@displayName | A code to represent the incident location type. If this is not coded, this informantion my just appear in the text summary | | A code to represent the incident location type. Any code from any code system may be used, but the codeSystem must be supplied | /ClinicalDocument/componentOf/encompassingEncounter/location/healthCareFacility/code/@code  /ClinicalDocument/componentOf/encompassingEncounter/location/healthCareFacility/code/@codeSystem  /ClinicalDocument/componentOf/encompassingEncounter/location/healthCareFacility/code/@displayName | | <code code="313161000000107" codeSystem="2.16.840.1.113883.2.1.3.2.4.15"  displayName="Example Care Setting"/> |
| Location/@classCode | None – a fixed code | | Always FIXED to “PLC” | /ClinicalDocument/componentOf/encompassingEncounter/location/healthCareFacility/location/@classCode | | <location classCode="PLC" determinerCode="INSTANCE"> |
| Location/@determinerCode | None – a fixed code | | Always FIXED to “INSTANCE” | /ClinicalDocument/componentOf/encompassingEncounter/location/healthCareFacility/location/@determinerCode | | <location classCode="PLC" determinerCode="INSTANCE"> |
| Location/name | The name of the location (information that doesn’t fit in addr) | | Use this for additional location details that don’t fit in the structure of addr below. This is free text | /ClinicalDocument/componentOf/encompassingEncounter/location/healthCareFacility/location/name | | <name>Some details about the incident location</name> |
| Location/addr/@use  Location/addr/streetAddressLine  Location/addr/city  Location/addr/postalCode  Location/addr/desc  Location/addr/country  Location/addr/additionalLocator | The address details of the 111 inclident.  Use Street Addess Lines, city and postcode for postal address. Use desc for textual description of location. Use additionalLocator for easting and northing coordinates | | 111 incident location details, as recorded on the 111 system  The use attribute will normally be fixed to PHY (physical location)  NOTE: a notation of X (for easting) and Y (for northing) is used to transmit the coordinates | /ClinicalDocument/componentOf/encompassingEncounter/location/healthCareFacility/location/addr  /ClinicalDocument/componentOf/encompassingEncounter/location/healthCareFacility/location/addr/@use  /ClinicalDocument/componentOf/encompassingEncounter/location/healthCareFacility/location/addr/streetAddressLine  /ClinicalDocument/componentOf/encompassingEncounter/location/healthCareFacility/location/addr/city  /ClinicalDocument/componentOf/encompassingEncounter/location/healthCareFacility/location/addr/postalCode  /ClinicalDocument/componentOf/encompassingEncounter/location/healthCareFacility/location/addr/desc  /ClinicalDocument/componentOf/encompassingEncounter/location/healthCareFacility/location/addr/country[1]  /ClinicalDocument/componentOf/encompassingEncounter/location/healthCareFacility/location/addr/additionalLocator | | <addr use="PHYS">  <streetAddressLine>2, Brancaster Road</streetAddressLine>  <city>Medway</city>  <postalCode>ME5 FL5</postalCode>  <desc>Follow the high street and turn left by Boots</desc>  <country>GB</country>  <country>Great Britain</country>  <additionalLocatorX34567Y78956</additionalLocator>  </addr> |
| location/templateId/@root  location/templateId/@extension | None – a fixed code | | Always FIXED  Root “2.16.840.1.113883.2.1.3.2.4.18.2”  Extension “COCD\_TP145222GB02#location” | /ClinicalDocument/componentOf/encompassingEncounter/location/healthCareFacility/location/templateId/@extension  /ClinicalDocument/componentOf/encompassingEncounter/location/healthCareFacility/location/templateId/@root | | <templateId extension="COCD\_TP145222GB02#location" root="2.16.840.1.113883.2.1.3.2.4.18.2"/> |

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| **CDA Concept:**  **serviceEvent** | **Details events that took place during this encounter. For the purposes of the pilot, this is not detailed here** |  |

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| **CDA Concept:**  **Consent** | | **Details consent to share this document. Note: This it is a Mandatory Requirement to have Consent in the message instance.** | | |  | |
| **CDA Data Item** | **Business relevance** | | **Value Guidance** | **Generic CDA Xpath** | | **Example** |
| Authorization/@typeCode | None – a fixed code | | Always FIXED to “AUTH” | /ClinicalDocument/authorization/@typeCode | | <authorization typeCode="AUTH"> |
| Authorization/contentId/@root  Authorization/contentId/@extension | None – a fixed code | | Always FIXED  Root "2.16.840.1.113883.2.1.3.2.4.18.16"  Extension “COCD\_TP146226GB02#Consent” | /ClinicalDocument/authorization/npfitlc:contentId/@root  /ClinicalDocument/authorization/npfitlc:contentId/@extension | | <npfitlc:contentId root="2.16.840.1.113883.2.1.3.2.4.18.16" extension="COCD\_TP146226GB02#Consent"/> |
| Consent/@classCode | None – a fixed code | | Always FIXED to “CONS” | /ClinicalDocument/authorization/consent/@classCode | | <consent classCode="CONS" moodCode="EVN"> |
| Consent/@moodCode | None – a fixed code | | Always FIXED to “EVN” | /ClinicalDocument/authorization/consent/@moodCode | | <consent classCode="CONS" moodCode="EVN"> |
| Consent/templateId/@root  Consent/templateId/@extension | None – a fixed code | | Always FIXED  Root “2.16.840.1.113883.2.1.3.2.4.18.2"  Extension "COCD\_TP146226GB02#Consent" | /ClinicalDocument/authorization/consent/templateId/@root  /ClinicalDocument/authorization/consent/templateId/@extension | | <templateId root="2.16.840.1.113883.2.1.3.2.4.18.2" extension="COCD\_TP146226GB02#Consent"/> |
| consent/id/@root | An identifier for this instance of consent | | A generated DCE UUID | /ClinicalDocument/authorization/consent/id/@root | | <id root="A709A442-3CF4-476E-8377-377700E727C7"/> |
| Consent/code/@code  Consent/code/@codeSystem  Consent/code/@displayName | The consent code and description | | If no consent is available (or gained) default to the values shown in the example. If using an alternative consent vocab, refer to the tabular view description. | /ClinicalDocument/authorization/consent/code/@code  /ClinicalDocument/authorization/consent/code/@codeSystem  /ClinicalDocument/authorization/consent/code/@displayName | | <code code="425691002" codeSystem="2.16.840.1.113883.2.1.3.2.4.15"  displayName="Consent given for electronic record sharing"/> |
| Consent /statusCode/code | None – a fixed code | | Always FIXED to “completed” | /ClinicalDocument/authorization/consent/statusCode/@code | | <statusCode code="completed"/> |

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| **CDA Concept: StructuredBody** | | **Contains a text summary of the 111 call, a reported condition (if not in the text summary), any pertinent notes such as Special Patient Notes and optionally an attachment of an extract from the 111 system that may be used by the receiver to gain further detail (if the receiver can process this extra information)** | | | **Includes Generic CDA Classes**  **Component; structuredBody; component; section; entry; observationMedia;** | |
| **CDA Data Item** | **Business relevance** | | **Value Guidance** | **Generic CDA Xpath** | | **Example** |
| Component/@typeCode | None – a fixed code | | Always FIXED to “COMP” | /ClinicalDocument/component/@typeCode | | <component typeCode="COMP" contextConductionInd="true"> |
| Component/@contextConductionInd | None – a fixed code | | Always FIXED to “true” | /ClinicalDocument/component/@contextConductionInd | | <component typeCode="COMP" contextConductionInd="true"> |
| structuredBody/@classCode | None – a fixed code | | Always FIXED to “DOCBODY” | /ClinicalDocument/component/structuredBody/@classCode | | <structuredBody classCode="DOCBODY" moodCode="EVN"> |
| structuredBody/@moodCode | None – a fixed code | | Always FIXED to “EVN” | /ClinicalDocument/component/structuredBody/@moodCode | | <structuredBody classCode="DOCBODY" moodCode="EVN"> |
| Component/@typeCode | None – a fixed code | | Always FIXED to “COMP” | /ClinicalDocument/component/structuredBody/component/@typeCode | | <component typeCode="COMP" contextConductionInd="true"> |
| Component/@contextConductionInd | None – a fixed code | | Always FIXED to “true” | /ClinicalDocument/component/structuredBody/component/@contextConductionInd | | <component typeCode="COMP" contextConductionInd="true"> |
| Section/@classCode | None – a fixed code | | Always FIXED to “DOCSECT” | /ClinicalDocument/component/structuredBody/component/section/@classCode | | <section classCode="DOCSECT" moodCode="EVN"> |
| Section/moodCode | None – a fixed code | | Always FIXED to “EVN” | /ClinicalDocument/component/structuredBody/component/section/@moodCode | | <section classCode="DOCSECT" moodCode="EVN"> |
| Section/id/@root | a generated DCE UUID for this document section | | Each document section requires a DCE UUID. This helps ascertain whether the document section has changed from document to document (in a set of documents) | /ClinicalDocument/component/structuredBody/component/section/id/@root | | <id root="7AFDCAD6-1CE3-45A6-A176-DDAC27F46C87"/> |
| For the 111 output summary text |  | |  | NOTE: many text sections are allowed | |  |
| Component/typeCode | None – a fixed code | | Always FIXED to “COMP” | /ClinicalDocument/component/structuredBody/component/section/component[1]/@typeCode | | <component typeCode="COMP" contextConductionInd="true"> |
| Component/contextConductionInd | None – a fixed code | | Always FIXED to “true” | /ClinicalDocument/component/structuredBody/component/section/component[1]/@contextConductionInd | | <component typeCode="COMP" contextConductionInd="true"> |
| Component/contentId/@root  Component/contentId/@extension | None – a fixed code | | Always FIXED  Root "2.16.840.1.113883.2.1.3.2.4.18.16"  Extension “COCD\_TP146246GB01#Section1” | /ClinicalDocument/component/structuredBody/component/section/component[1]/npfitlc:contentId/@root  /ClinicalDocument/component/structuredBody/component/section/component[1]/npfitlc:contentId/@extension | | <npfitlc:contentId root="2.16.840.1.113883.2.1.3.2.4.18.16" extension="COCD\_TP146246GB01#Section1"/> |
| Section/classCode | None – a fixed code | | Always FIXED to “DOCSECT” | /ClinicalDocument/component/structuredBody/component/section/component[1]/section/@classCode | | <section classCode="DOCSECT" moodCode="EVN"> |
| Section/moodCode | None – a fixed code | | Always FIXED to “EVN” | /ClinicalDocument/component/structuredBody/component/section/component[1]/section/@moodCode | | <section classCode="DOCSECT" moodCode="EVN"> |
| Section/code/@code  Section/code/@codeSystem  Section/code/@displayName | This is a code to represent a section to allow a machine to recognise different sections | | The use of this attribute is undefined during the 111 pilot. Its uses include a national set of section codes generated from 111 system, however, these codes have not yet been agreed nor developed |  | |  |
| Section/templateId/@root  Section/templateId/@extension | None – a fixed code | | Always FIXED  Root “2.16.840.1.113883.2.1.3.2.4.18.2"  Extension "COCD\_TP146246GB01#Section1" | /ClinicalDocument/component/structuredBody/component/section/component[1]/section/templateId/@root  /ClinicalDocument/component/structuredBody/component/section/component[1]/section/templateId/@extension | | <templateId root="2.16.840.1.113883.2.1.3.2.4.18.2" extension="COCD\_TP146246GB01#Section1"/> |
| Section/id/@root | A generated DCE UUID to represent a document section | | Each document section requires a DCE UUID. This helps ascertain whether the document section has changed from document to document (in a set of documents) | /ClinicalDocument/component/structuredBody/component/section/component[1]/section/id/@root | | <id root="773110DB-288F-4B32-8DE1-362646A65E9A"/> |
| Section/title | The title fro the text (this is rendered in the document | | The title of the section. Fix this to “Case Summary” | /ClinicalDocument/component/structuredBody/component/section/component[1]/section/title | | <title>Case Summary</title> |
| Section/text | The text being conveyed – in this case the 111 case summary | | The text associated with the title. This must be in CDA markup. This is generated by the 111 system.  See the examples provided in the NHS 111 Domain Message Specification for examples of CDA markup  No demographic information should be included in the case summary. | /ClinicalDocument/component/structuredBody/component/section/component[1]/section/text | | <text>  <content styleCode="bold">Patient:</content>  <br/>  <content>Joe Bloggs</content>  <br/>  <content styleCode="bold">Disposition:</content>  <br/>  <content>Go to the nearest Emergency Department within 4 hours.</content>  </text> |
| For the 111 additional information (such as Special Patient Notes & Patient’s reported condition) |  | |  | NOTE: many text sections are allowed | |  |
| Component/typeCode | None – a fixed code | | Always FIXED to “COMP” | /ClinicalDocument/component/structuredBody/component/section/component[1]/@typeCode | | <component typeCode="COMP" contextConductionInd="true"> |
| Component/contextConductionInd | None – a fixed code | | Always FIXED to “true” | /ClinicalDocument/component/structuredBody/component/section/component[1]/@contextConductionInd | | <component typeCode="COMP" contextConductionInd="true"> |
| Component/contentId/@root  Component/contentId/@extension | None – a fixed code | | Always FIXED  Root "2.16.840.1.113883.2.1.3.2.4.18.16"  Extension “COCD\_TP146246GB01#Section1” | /ClinicalDocument/component/structuredBody/component/section/component[1]/npfitlc:contentId/@root  /ClinicalDocument/component/structuredBody/component/section/component[1]/npfitlc:contentId/@extension | | <npfitlc:contentId root="2.16.840.1.113883.2.1.3.2.4.18.16" extension="COCD\_TP146246GB01#Section1"/> |
| Section/classCode | None – a fixed code | | Always FIXED to “DOCSECT” | /ClinicalDocument/component/structuredBody/component/section/component[1]/section/@classCode | | <section classCode="DOCSECT" moodCode="EVN"> |
| Section/moodCode | None – a fixed code | | Always FIXED to “EVN” | /ClinicalDocument/component/structuredBody/component/section/component[1]/section/@moodCode | | <section classCode="DOCSECT" moodCode="EVN"> |
| Section/code/@code  Section/code/@codeSystem  Section/code/@displayName | This is a code to represent a section to allow a machine to recognise different sections | | The use of this attribute is undefined during the 111 pilot. Its uses include a national set of section codes generated from 111 system, however, these codes have not yet been agreed nor developed |  | |  |
| Section/templateId/@root  Section/templateId/@extension | None – a fixed code | | Always FIXED  Root “2.16.840.1.113883.2.1.3.2.4.18.2"  Extension "COCD\_TP146246GB01#Section1" | /ClinicalDocument/component/structuredBody/component/section/component[1]/section/templateId/@root  /ClinicalDocument/component/structuredBody/component/section/component[1]/section/templateId/@extension | | <templateId root="2.16.840.1.113883.2.1.3.2.4.18.2" extension="COCD\_TP146246GB01#Section1"/> |
| Section/id/@root | A generated DCE UUID to represent a document section | | Each document section requires a DCE UUID. This helps ascertain whether the document section has changed from document to document (in a set of documents) | /ClinicalDocument/component/structuredBody/component/section/component[1]/section/id/@root | | <id root="773110DB-288F-4B32-8DE1-362646A65E9B "/> |
| Section/title | The title fro the text (this is rendered in the document | | The title of the section. This is the title of the section on the rendered report. As “Special Patient Notes” should be used for special patient notes.  If the section relates to patient’s reported condition, then use the title “Patient’s Reported Condition” | /ClinicalDocument/component/structuredBody/component/section/component[1]/section/title | | <title>Special Patient Notes</title>  Or  <title>Patient’s Reported Condition</text> |
| Section/text | The text being conveyed – in this case the 111 case summary | | The text associated with the title. This must be in CDA markup. This is generated by the 111 system.  See the examples provided in the NHS 111 Domain Message Specification for examples of CDA markup | /ClinicalDocument/component/structuredBody/component/section/component[1]/section/text | | <text>  Patient is violent  </text> |
| For the 111 system detailed extract (sometimes referred to as the “blob” |  | |  |  | |  |
| Entry/typeCode | None – a fixed code | | Always FIXED to “COMP” | /ClinicalDocument/component/structuredBody/component/section/entry/@typeCode | | <entry typeCode="COMP" contextConductionInd="true"> |
| Entry/contextConductionInd | None – a fixed code | | Always FIXED to “true” | /ClinicalDocument/component/structuredBody/component/section/entry/@contextConductionInd | | <entry typeCode="COMP" contextConductionInd="true"> |
| Entry/contentId | None – a fixed code | | Always FIXED  Root “2.16.840.1.113883.2.1.3.2.4.18.16”  Extension “COCD\_TP146002GB01#ObservationMedia” | /ClinicalDocument/component/structuredBody/component/section/entry/npfitlc:contentId/@extension  /ClinicalDocument/component/structuredBody/component/section/entry/npfitlc:contentId/@root | | <npfitlc:contentId extension="COCD\_TP146002GB01#ObservationMedia" root="2.16.840.1.113883.2.1.3.2.4.18.16"/> |
| observationMedia/@classCode | None – a fixed code | | Always FIXED to “OBS” | /ClinicalDocument/component/structuredBody/component/section/entry/observationMedia/@classCode | | <observationMedia classCode="OBS" moodCode="EVN"> |
| observationMedia/@moodCode | None – a fixed code | | Always FIXED to “EVN” | /ClinicalDocument/component/structuredBody/component/section/entry/observationMedia/@moodCode | | <observationMedia classCode="OBS" moodCode="EVN"> |
| observationMedia/templateId/@root  observationMedia/templateId/@extension | None – a fixed code | | Always FIXED  Root “2.16.840.1.113883.2.1.3.2.4.18.2"  Extension " COCD\_TP146002GB01#ObservationMedia" | /ClinicalDocument/component/structuredBody/component/section/entry/observationMedia/templateId/@extension  /ClinicalDocument/component/structuredBody/component/section/entry/observationMedia/templateId/@root | | <templateId extension="COCD\_TP146002GB01#ObservationMedia" root="2.16.840.1.113883.2.1.3.2.4.18.2"/ |
| observationMedia/id/@root | A generated DCE UUID to represent this attachment | | A generated DCE UUID | /ClinicalDocument/component/structuredBody/component/section/entry/observationMedia/id/@root | | <id root="7DAC2CE0-AE1A-11DB-98EE-B18E1E0994CD"/> |
| observationMedia/value  observationMedia/value/@representation  observationMedia/value/@mediaType | The attachment goes here (in between the <value> tags | | The attachment in Base64 encoding, and usually as an XML document  (if this is the case representation is fixed to “B64”, and mediaType to “text/xml”) | /ClinicalDocument/component/structuredBody/component/section/entry/observationMedia/value  /ClinicalDocument/component/structuredBody/component/section/entry/observationMedia/value/@representation  /ClinicalDocument/component/structuredBody/component/section/entry/observationMedia/value/@mediaType | | <value representation="B64" mediaType="text/xml">  PFBhdGh3YXlzQ2FzZSB4bWxucz  </value> |
| The software used to create the “blob” |  | |  |  | |  |
| participant/@typeCode | None – a fixed code | | Always FIXED to “DEV” | /ClinicalDocument/component/structuredBody/component/section/entry/observationMedia/participant/@typeCode | | <participant typeCode="DEV" contextControlCode="OP"> |
| participant/@contextControlCode | None – a fixed code | | Always FIXED to “OP” | /ClinicalDocument/component/structuredBody/component/section/entry/observationMedia/participant/@contextControlCode | | <participant typeCode="DEV" contextControlCode="OP"> |
| participant/templateId/@root  participant/templateId/@extension | None – a fixed code | | Always FIXED  Root “2.16.840.1.113883.2.1.3.2.4.18.2"  Extension " COCD\_TP146002GB01#ParticipantRole | /ClinicalDocument/component/structuredBody/component/section/entry/observationMedia/participant/templateId/@root  /ClinicalDocument/component/structuredBody/component/section/entry/observationMedia/participant/templateId/@extension | | <templateId root="2.16.840.1.113883.2.1.3.2.4.18.2" extension="COCD\_TP146002GB01#participant"/> |
| participant/contentId/@root  participant/contentId/@extension | None – a fixed code (as there is only a choice of 1 template) | | Always FIXED to  Root=”2.16.840.1.113883.2.1.3.2.4.18.16”  Extension=” COCD\_TP145000GB01#ParticipantRole” | /ClinicalDocument/component/structuredBody/component/section/entry/observationMedia/participant/npfitlc:contentId/@root  /ClinicalDocument/component/structuredBody/component/section/entry/observationMedia/participant/npfitlc:contentId/@extension | | <npfitlc:contentId root="2.16.840.1.113883.2.1.3.2.4.18.16" extension="COCD\_TP145000GB01#ParticipantRole"/> |
| participantRole/@classCode | None – a fixed code | | Always FIXED to “ROL” | /ClinicalDocument/component/structuredBody/component/section/entry/observationMedia/participant/participantRole/@classCode | | <participantRole classCode="ROL"> |
| participantRole/templateId/@root  participantRole/templateId/@extension | None – a fixed code | | Always FIXED to  root="2.16.840.1.113883.2.1.3.2.4.18.2" extension="COCD\_TP145000GB01#ParticipantRole” | /ClinicalDocument/component/structuredBody/component/section/entry/observationMedia/participant/participantRole/templateId/@root  /ClinicalDocument/component/structuredBody/component/section/entry/observationMedia/participant/participantRole/templateId/@extension | | <templateId root="2.16.840.1.113883.2.1.3.2.4.18.2" extension="COCD\_TP145000GB01#ParticipantRole"/> |
| participantRole/code/@code  participantRole/code/@codeSystem | None – a fixed code | | Always FIXED to  Code=”TS”  codeSystem=”2.16.840.1.113883.2.1.3.2.4.17.418” | /ClinicalDocument/component/structuredBody/component/section/entry/observationMedia/participant/participantRole/code/@code  /ClinicalDocument/component/structuredBody/component/section/entry/observationMedia/participant/participantRole/code/@codeSystem | | <code code="TS" codeSystem="2.16.840.1.113883.2.1.3.2.4.17.418"/> |
| playingDevice/@classCode | None – a fixed code | | Always FIXED to “DEV” | /ClinicalDocument/component/structuredBody/component/section/entry/observationMedia/participant/participantRole/playingDevice/@classCode | | <playingDevice classCode="DEV" determinerCode="INSTANCE"> |
| playingDevice/@determinerCode | None – a fixed code | | Always FIXED to “INSTANCE” | /ClinicalDocument/component/structuredBody/component/section/entry/observationMedia/participant/participantRole/playingDevice/@determinerCode | | <playingDevice classCode="DEV" determinerCode="INSTANCE"> |
| playingDevice/templateId/@root  playingDevice/templateId/@extension | None – a fixed code | | Always FIXED to  root="2.16.840.1.113883.2.1.3.2.4.18.2" extension="COCD\_TP145000GB01#playingDevice" | /ClinicalDocument/component/structuredBody/component/section/entry/observationMedia/participant/participantRole/playingDevice/templateId/@root  /ClinicalDocument/component/structuredBody/component/section/entry/observationMedia/participant/participantRole/playingDevice/templateId/@extension | | <templateId root="2.16.840.1.113883.2.1.3.2.4.18.2" extension="COCD\_TP145000GB01#playingDevice"/> |
| playingDevice/manufacturerModelName/@displayName | Contains the software used to record the triage | | The name of the software used to capture the triage data (used to decipher the attached “Blob”) | /ClinicalDocument/component/structuredBody/component/section/entry/observationMedia/participant/participantRole/playingDevice/manufacturerModelName/@displayName | | <manufacturerModelName displayName="Pathways"/> |
| playingDevice/softwareName/@displayName | Contains the software version used to record the triage | | The name of the software version used to capture the triage data (used to decipher the attached “Blob”) | /ClinicalDocument/component/structuredBody/component/section/entry/observationMedia/participant/participantRole/playingDevice/softwareName/@displayName | | <softwareName displayName="2.4"/> |

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| **CDA Concept: ParentDocument** | | **This is to do with the replacement of documents within a set of documents. There are 3 key attributes: id – which is the id of the document being replaced (all documents a unique id); setId – which links all the documents together as being replacements of oneanother; and versionNumber – which is an integer to represent the document version within the set** | | | **Includes Generic CDA Classes**  **relatedDocument; ParentDocument** | |
| **CDA Data Item** | **Business relevance** | | **Value Guidance** | **Generic CDA Xpath** | | **Example** |
| relatedDocument/@typeCode | None – a fixed code | | Always FIXED to “RPLC” | /ClinicalDocument/relatedDocument/@typeCode | | <relatedDocument typeCode="RPLC"> |
| parentDocument/classCode | None – a fixed code | | Always FIXED to “DOCCLIN” | /ClinicalDocument/relatedDocument/parentDocument/@classCode | | <parentDocument classCode="DOCCLIN" moodCode="EVN"> |
| parentDocument/moodCode | None – a fixed code | | Always FIXED to “EVN” | /ClinicalDocument/relatedDocument/parentDocument/@moodCode | | <parentDocument classCode="DOCCLIN" moodCode="EVN"> |
| parentDocument/id/@root | The id of the document being replaced | | The DCE UUID of the document being replaced – take this from the replaced document | /ClinicalDocument/relatedDocument/parentDocument/id/@root | | <id root="A709A442-3CF4-476E-8377-376500E66666"></id> |
| parentDocument/setId/@root | The id of the document set that is the same for all documents in the set | | The DCE UUID of the set of documents – take this from the replaced document | /ClinicalDocument/relatedDocument/parentDocument/setId/@root | | <setId root="411910CF-1A76-4330-98FE-C345DDEE5553"></setId> |
| parentDocument/versionNumber/@value | The version number of the document being replaced | | The version number of the document being replaced – take this from the replaced document | /ClinicalDocument/relatedDocument/parentDocument/versionNumber/@value | | <versionNumber value="1"></versionNumber> |
| parentDocument/code/@code  parentDocument/code/@codeSystem | The code of the document being replaced (this will be the same as this document) | | The code of the document being replaced – take this from the replaced document | /ClinicalDocument/relatedDocument/parentDocument/code/@code  /ClinicalDocument/relatedDocument/parentDocument/code/@codeSystem | | <code code="819551000000100" codeSystem="2.16.840.1.113883.2.1.3.2.4.15"/> |