

(your state)

Meaningful Use Quality Assurance Testing Guide

Document Description

This guide is intended for:

1. Eligible Providers who meet the requirements for Meaningful Use.
2. Providers that diagnosis or treat cancer who wish to begin reporting their patient cancer data to (your state) using the CDA format.

This document outlines the data quality standards required for reporting data to (your state, national standards provide a link) using the CDA format which is required for the Meaningful Use incentive. Certain fields are required in the CDA document in order to pass quality assurance review. It is strongly advised that providers configure the Electronic Health Records (EHR) so that staff is entering valid data into the required fields before testing for quality assurance with (your state).

Quality Assurance Testing Requirement

Following a successful submission of a test CDA document for meaningful Use, eligible providers must pass quality assurance testing before actual submission can occur. It is important to note that Electronic Health Record (EHR) certification does not guarantee that EHR software meets your business needs or the (your state) requirements. Furthermore, in order to ensure complete and correct data is recorded, (your state) has set high standards for data completeness, quality and timeliness. (your state) measures this during a data quality assessment of new interfaces. This assessment process includes a Data Quality Assurance (DQA) report.

Compliance with follow up submission requires eligible providers to adhere to the quality assurance testing process. Eligible providers must demonstrate they are actively engaged in the quality assurance testing by following the testing steps listed below.

Active engagement in the quality assurance testing process must be demonstrated by following the Quality Assurance Testing Steps listed on the next page.

Once providers have passed the quality assurance testing process, production submission can occur.

Please note: providers must continue their current method of data entry into (your state) until they have successfully passed the six Quality Assurance Testing Steps below.

Steps to Quality Assurance Testing

There are six steps in meeting the quality assurance testing that providers will need to complete. Along with the six steps, tips are listed for providers to achieve each step.

Step 1 - Document Transport

- Connectivity to the (your state) for submission is enabled through the (your states information network, provide link)
- Review (your states, provide link) transport preference / connectivity requirements.
- Work with your vendor to make sure your CDA documents are formatted correctly.

Step 2 - Validate the certified EHR captures the required fields

- Review required Fields table (provide link)

Step 3 - Validate the certified EHR contains correct codes and sections

- Review codes and sections as outlined in (your state, national standards provide link) submission guide

Step 4 - Message Format Validation

- Send a sample CDA document(s) to (your state). Documents must be in accordance with the (your state, national standards) CDA specification. (provide link)

Step 5 - Content Validation

- (your state) will conduct data quality analysis and provide feedback on the content of the document you will continue to send.

Step 6 - Go-Live

- Prior to go-live, the provider site must complete a (your state) Responsibilities and Contact Information Form (provide link) and send to (your state) contact (provide link). This form assigns your provider staff to monitor the data feed and correct errors. (your state) staff use the information from this form to coordinate training sessions.
- Once you have passed content validation and have been trained by (your state), the documents will be transmitted to production.

Quality Assurance Criteria

Required Fields – All required fields should be included in the CDA document. *It is a production requirement to meet the required fields.* Filler or “dummy” data should not be contained in the required fields. If there is no value in a required field because it was not entered or because there was no value known, then empty should still be sent. Fields that cannot be left empty are identified in the (your state, national standards provide link) specification guide.

Required Fields listed below

Conformance (Optionality Constraints)

The optionality constraints in this implementation guide use the HL7 Consolidated CDA conformance verbs (copyright 2011 Health Level Seven International):

“The keywords **SHALL**, **SHOULD**, **MAY**, **NEED NOT**, **SHOULD NOT**, and **SHALL NOT** in this document are to be interpreted as described in the HL7 Version 3 Publishing Facilitator's Guide (<http://www.hl7.org>).

- **SHALL**: an absolute requirement
- **SHALL NOT**: an absolute prohibition against inclusion
- **SHOULD/SHOULD NOT**: best practice or recommendation. There may be valid reasons to ignore an item, but the full implications must be understood and carefully weighed before choosing a different course
- **MAY/NEED NOT**: truly optional; can be included or omitted as the author decides with no implications
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The keyword "**SHALL**" allows the use of nullFlavor unless the requirement is on an attribute or the use of nullFlavor is explicitly precluded.

The subject of a conformance verb (keyword) in a top-level constraint is the template itself; In nested constraints, the subject is the element in the containing constraint.”

National Standards Required Fields are listed below. *Please note this is not the final list:*

NAACCR ID	Data Element	Opt	Template ID	XPATH Mapping
2110	Date Case Report Exported	SHALL	2.16.840.1.113883.10.20.3 [General Header Constraints for CDA R2]	ClinicalDocument/effectiveTime/@value
2230	Patient Last Name	SHALL	2.16.840.1.113883.10.20.3 [General Header Constraints for CDA R2]	ClinicalDocument/recordTarget/patientRole/patient/name/family
2270	Patient Name Suffix	SHOULD	2.16.840.1.113883.10.20.3 [General Header Constraints for CDA R2]	ClinicalDocument/recordTarget/patientRole/patient/name/suffix
2240	Patient First Name	SHALL	2.16.840.1.113883.10.20.3 [General Header Constraints for CDA R2]	ClinicalDocument/recordTarget/patientRole/patient/name/given[1]
2250	Patient Middle Name	SHALL	2.16.840.1.113883.10.20.3 [General Header Constraints for CDA R2]	ClinicalDocument/recordTarget/patientRole/patient/name/given[2]
2390	Patient Maiden Name	SHOULD	2.16.840.1.113883.10.20.3 [General Header Constraints for CDA R2]	ClinicalDocument/recordTarget/patientRole/patient/name/family[@qualifier='BR']
2280	Patient Name Alias	SHOULD	2.16.840.1.113883.10.20.3 [General Header Constraints for CDA R2]	ClinicalDocument/recordTarget/patientRole/patient/name/family[@qualifier='CL']
2350, 1810, 1820, 1830	Patient Address (Street Address, City, State, Zip Code, Country)	SHALL	2.16.840.1.113883.10.20.3 [General Header Constraints for CDA R2]	ClinicalDocument/recordTarget/patientRole/addr/*
	Address History	SHALL	2.16.840.1.113883.10.20.3 [General Header Constraints for CDA R2]	ClinicalDocument/recordTarget/patientRole/addr/useablePeriod/*
	Address Use	SHOULD	2.16.840.1.113883.10.20.3 [General Header Constraints for CDA R2]	ClinicalDocument/recordTarget/patientRole/addr/@use
	Patient Telephone	SHALL	2.16.840.1.113883.10.20.3 [General Header Constraints for CDA R2]	ClinicalDocument/recordTarget/patientRole/telecom/@value
220	Patient Sex/Gender	SHALL	2.16.840.1.113883.10.20.3 [General Header Constraints for CDA R2]	ClinicalDocument/recordTarget/patientRole/patient/administrativeGenderCode/@*
240	Patient Date of Birth	SHALL	2.16.840.1.113883.10.20.3 [General Header Constraints for CDA R2]	ClinicalDocument/recordTarget/patientRole/patient/birthTime/@value
2300	Patient Medical Record Number	SHALL	2.16.840.1.113883.10.20.3 [General Header Constraints for CDA R2]	ClinicalDocument/recordTarget/patientRole/id[not(@root='2.16.840.1.113883.4.1')]/@extension
2320	Patient Social Security Number	SHALL	2.16.840.1.113883.10.20.3 [General Header Constraints for CDA R2]	ClinicalDocument/recordTarget/patientRole/id[@root='2.16.840.1.113883.4.1']/@extension
160, 161, 162, 163, 164	sdct:race (raceCode extension)	MAY	2.16.840.1.113883.10.20.22.1.1 [HL7 Implementation Guide for CDA® Release 2: IHE Health Story Consolidation, Release 1]	ClinicalDocument/recordTarget/patientRole/patient/sdct:raceCode
190	Patient Ethnicity	SHALL	2.16.840.1.113883.10.20.3 [General Header Constraints for CDA R2]	ClinicalDocument/recordTarget/patientRole/patient/ethnicGroupCode/@*
250	Patient Birth Place	SHALL	1.3.6.1.4.1.19376.1.7.3.1.1.14.1	ClinicalDocument/recordTarget/patientRole/patient/birthplace/place/addr/*

1502	Patient Marital Status	SHALL	2.16.840.1.113883.10.20.3 [General Header Constraints for CDA R2]	ClinicalDocument/recordTarget/patientRole/patient/maritalStatusCode/@*
2460, 2470, 2480, 2490, 2500	Physician Name	SHALL	2.16.840.1.113883.10.20.3 [General Header Constraints for CDA R2]	ClinicalDocument/documentationOf/serviceEvent/performer/assignedEntity/assignedPerson/name/*
2465, 2475, 2485, 2495, 2505	Physician ID (NPI)	SHALL	2.16.840.1.113883.10.20.3 [General Header Constraints for CDA R2]	ClinicalDocument/documentationOf/serviceEvent/performer/assignedEntity/id[@root='2.16.840.1.113883.4.6']/@extension
	Physician Address (Street Address, City, State, Zip Code, Country)	SHALL	2.16.840.1.113883.10.20.3 [General Header Constraints for CDA R2]	ClinicalDocument/documentationOf/serviceEvent/performer/assignedEntity/addr/*
	Physician Specialty	SHALL	2.16.840.1.113883.10.20.3 [General Header Constraints for CDA R2]	ClinicalDocument/documentationOf/serviceEvent/performer/assignedEntity/code/@*
540	Provider Organization ID	SHALL	2.16.840.1.113883.10.20.3 [General Header Constraints for CDA R2]	ClinicalDocument/documentationOf/serviceEvent/performer/assignedEntity/representedOrganization/*
2410	Provider Referred From	SHOULD	1.3.6.1.4.1.19376.1.4.1.3.1 [Encompassing Encounter]	ClinicalDocument/componentOf/encompassingEncounter/encounterParticipant/assignedEntity/representedOrganization/*
2415, 2460, 2470, 2480, 2490, 2500	Provider Referred From ID (NPI)	SHOULD	1.3.6.1.4.1.19376.1.4.1.3.1 [Encompassing Encounter]	ClinicalDocument/componentOf/encompassingEncounter/encounterParticipant/assignedEntity/id[@root='2.16.840.1.113883.4.6']/@extension
	Coded Social History Section	SHALL	1.3.6.1.4.1.19376.1.5.3.1.3.1 6.1	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.16.1']]
	Social History Narrative	SHALL	1.3.6.1.4.1.19376.1.5.3.1.3.1 6.1	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.16.1']/text/*
270	Occupation	SHALL	1.3.6.1.4.1.19376.1.5.3.1.4.13.4 [Social History Observation]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.16.1']/entry/observation[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.4.13.4'] and code[@code='21843-8']/value/@*
280	Industry	SHALL	1.3.6.1.4.1.19376.1.5.3.1.4.13.4 [Social History Observation]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.16.1']/entry/observation[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.4.13.4'] and code[@code='21844-6']/value/@*
	Smoking Status	SHALL	1.3.6.1.4.1.19376.1.5.3.1.4.1 3.4 [Social History Observation]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.16.1']/entry/observation[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.4.13.4'] and code[@code='72166-2']/value/@*
	Payers Section	SHALL	1.3.6.1.4.1.19376.1.5.3.1.1.5 .3.7	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.1.5.3.7']]

630	Payer Type	SHOULD	1.3.6.1.4.1.19376.1.5.3.1.4.17 [Coverage Entry]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.1.5.3.7']]/entry/act[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.4.17']]/entryRelationship/act/code/@*
	Cancer Diagnosis Section	SHALL	1.3.6.1.4.1.19376.1.7.3.1.3.14.1	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.7.3.1.3.14.1']]
	Cancer Diagnosis Entry	SHALL	1.3.6.1.4.1.19376.1.7.3.1.4.14.1	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.7.3.1.3.14.1']]/entry/act/entryRelationship/observation[templateId[@root='1.3.6.1.4.1.19376.1.7.3.1.4.14.1']]
390	Diagnosis Date	SHALL	1.3.6.1.4.1.19376.1.7.3.1.4.14.1 [Cancer Diagnosis Entry]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.7.3.1.3.14.1']]/entry/act/entryRelationship/observation[templateId[@root='1.3.6.1.4.1.19376.1.7.3.1.4.14.1']]/effectiveTime/low/@value
523	Behavior	SHALL	1.3.6.1.4.1.19376.1.7.3.1.4.14.1 [Cancer Diagnosis Entry]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.7.3.1.3.14.1']]/entry/act/entryRelationship/observation[templateId[@root='1.3.6.1.4.1.19376.1.7.3.1.4.14.1']]/value/qualifier[name[@code="31206-6"]]/value/@*
490	Diagnostic confirmation	SHALL	1.3.6.1.4.1.19376.1.7.3.1.4.14.1 [Cancer Diagnosis Entry]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.7.3.1.3.14.1']]/entry/act/entryRelationship/observation[templateId[@root='1.3.6.1.4.1.19376.1.7.3.1.4.14.1']]/value/qualifier[name[@code="21861-0"]]/value/@*
400	Primary Site	SHALL	1.3.6.1.4.1.19376.1.7.3.1.4.14.1 [Cancer Diagnosis Entry]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.7.3.1.3.14.1']]/entry/act/entryRelationship/observation[templateId[@root='1.3.6.1.4.1.19376.1.7.3.1.4.14.1']]/targetSiteCode/@*
410	Laterality	SHALL	1.3.6.1.4.1.19376.1.7.3.1.4.14.1 [Cancer Diagnosis Entry]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.7.3.1.3.14.1']]/entry/act/entryRelationship/observation[templateId[@root='1.3.6.1.4.1.19376.1.7.3.1.4.14.1']]/targetSiteCode/qualifier/value/@*
	TNM Clinical Stage Entry	SHOULD	1.3.6.1.4.1.19376.1.7.3.1.4.14.2 [TNM Stage Observation]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.7.3.1.3.14.1']]/entry/act/entryRelationship/observation/entryRelationship/observation/templated/@root='1.3.6.1.4.1.19376.1.7.3.1.4.14.2'

	Stage Group Narrative	SHALL	1.3.6.1.4.1.19376.1.7.3.1.4.1.4.2 [TNM Stage Observation]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.7.3.1.3.14.1']]/entry/act/entryRelationship/observation[templateId[@root='1.3.6.1.4.1.19376.1.7.3.1.4.14.1']]/entryRelationship/observation/text
970	TNM Clinical Stage Group	SHALL	1.3.6.1.4.1.19376.1.7.3.1.4.14.2 [TNM Stage Observation]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.7.3.1.3.14.1']]/entry/act/entryRelationship/observation[templateId[@root='1.3.6.1.4.1.19376.1.7.3.1.4.14.1']]/entryRelationship/observation/value/@*
980	TNM Clinical Stage Descriptor	SHALL	1.3.6.1.4.1.19376.1.7.3.1.4.14.2 [TNM Stage Observation]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.7.3.1.3.14.1']]/entry/act/entryRelationship/observation[templateId[@root='1.3.6.1.4.1.19376.1.7.3.1.4.14.1']]/entryRelationship/observation/value/qualifier[name[@code="21909-7"]]/value/@*
1060	TNM Edition Number	SHALL	1.3.6.1.4.1.19376.1.7.3.1.4.14.2 [TNM Stage Observation]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.7.3.1.3.14.1']]/entry/act/entryRelationship/observation[templateId[@root='1.3.6.1.4.1.19376.1.7.3.1.4.14.1']]/entryRelationship/observation/value/qualifier[name[@code="21917-0"]]/value/@*
990	Provider who recorded stage information	SHALL	1.3.6.1.4.1.19376.1.7.3.1.4.14.2 [TNM Stage Observation]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.7.3.1.3.14.1']]/entry/act/entryRelationship/observation[templateId[@root='1.3.6.1.4.1.19376.1.7.3.1.4.14.1']]/entryRelationship/observation/participant/participantRole/playingEntity/code/@*
940	TNM Clinical T	SHALL	1.3.6.1.4.1.19376.1.7.3.1.4.14.2 [TNM Stage Observation]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.7.3.1.3.14.1']]/entry/act/entryRelationship/observation/entryRelationship/observation/entryRelationship/observation[code[@code='21905-5']]/value/@*
950	TNM Clinical N	SHALL	1.3.6.1.4.1.19376.1.7.3.1.4.14.2 [TNM Stage Observation]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.7.3.1.3.14.1']]/entry/act/entryRelationship/observation/entryRelationship/observation/entryRelationship/observation/code[@code='21906-3']]/value/@*
960	TNM Clinical M	SHALL	1.3.6.1.4.1.19376.1.7.3.1.4.14.2 [TNM Stage Observation]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.7.3.1.3.14.1']]/entry/act/entryRelationship/observation/entryRelationship/observation/entryRelationship/observation/code[@code='21907-1']]/value/@*

	Active Problems Section	SHALL	1.3.6.1.4.1.19376.1.5.3.1.3.6	ClinicalDocument/component/structuredBody/component/section[title='Active Problems Section']
	Start and Stop date of problem	SHALL	1.3.6.1.4.1.19376.1.5.3.1.3.6	ClinicalDocument/component/structuredBody/component/section[title='Active Problems Section']/entry/act/effectiveTime
3110 - 3164	Problem Code	SHALL	1.3.6.1.4.1.19376.1.5.3.1.4.5.2 [Problem Concern Entry]	ClinicalDocument/component/structuredBody/component/section[title='Active Problems Section']/entry/act/entryRelationship/observation/value/@*
	Progress Note Section	SHALL	1.3.6.1.4.1.19376.1.5.3.1.1.1 3.2.7	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.1.13.2.7']]
	Progress Notes Narrative	SHALL	1.3.6.1.4.1.19376.1.5.3.1.1.1 3.2.7	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.1.13.2.7']]text
	Coded Results Section	SHALL	1.3.6.1.4.1.19376.1.5.3.1.3.2 8	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.28']]
	Procedure Entry	SHALL	1.3.6.1.4.1.19376.1.5.3.1.4.1 9	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.28']/entry/procedure
	Procedure Type	SHALL	1.3.6.1.4.1.19376.1.5.3.1.4.1 9	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.28']/entry/procedure/code/@*
	Procedure DateTime	SHALL	1.3.6.1.4.1.19376.1.5.3.1.4.1 9	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.28']/entry/procedure/effectiveTime/*
	Result Value	SHALL	1.3.6.1.4.1.19376.1.5.3.1.4.1 3 [Simple Observation]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.28']/entry/observation/code/@*
	Result Text	SHALL	1.3.6.1.4.1.19376.1.5.3.1.4.1 3 [Simple Observation]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.28']/entry/observation/text
	Result DateTime	SHALL	1.3.6.1.4.1.19376.1.5.3.1.4.1 3 [Simple Observation]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.28']/entry/observation/effectiveTime/@value
	Facility	SHALL	1.3.6.1.4.1.19376.1.5.3.1.4.1 3 [Simple Observation]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.28']/entry/observation/author/assignedAuthor/representedOrganization/name
	Facility ID	SHALL	1.3.6.1.4.1.19376.1.5.3.1.4.1 3 [Simple Observation]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.28']/entry/observation/author/assignedAuthor/representedOrganization/id

	Procedures Section	SHALL	2.16.840.1.113883.10.20.1.12	ClinicalDocument/component/structuredBody/component/section[templateId[@root='2.16.840.1.113883.10.20.1.12']]
	Procedure Activity Entry	SHALL	2.16.840.1.113883.10.20.1.29	ClinicalDocument/component/structuredBody/component/section[templateId[@root='2.16.840.1.113883.10.20.1.12']]/entry/procedure
670, 690	Procedure Type	SHALL	2.16.840.1.113883.10.20.1.29	ClinicalDocument/component/structuredBody/component/section[templateId[@root='2.16.840.1.113883.10.20.1.12']]/entry/procedure/code/@*
	Body Site of procedure	SHALL	2.16.840.1.113883.10.20.1.29	ClinicalDocument/component/structuredBody/component/section[templateId[@root='2.16.840.1.113883.10.20.1.12']]/entry/procedure/targetSiteCode/@*
1200,1210	Procedure DateTime	SHALL	2.16.840.1.113883.10.20.1.29	ClinicalDocument/component/structuredBody/component/section[templateId[@root='2.16.840.1.113883.10.20.1.12']]/entry/procedure/effectiveTime/*
	Medications Section	SHALL	1.3.6.1.4.1.19376.1.5.3.1.3.19	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.19']]
700, 710,720	Medications Entry (Chemotherapy, Hormone Therapy, Immunotherapy)	SHALL	1.3.6.1.4.1.19376.1.5.3.1.4.7 [Medications]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.19']]/entry/substanceAdministration
1220, 1230,1240	Start Date	SHOULD	1.3.6.1.4.1.19376.1.5.3.1.4.7 [Medications]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.19']]/entry/substanceAdministration/effectiveTime[1]/low
	Stop Date	SHOULD	1.3.6.1.4.1.19376.1.5.3.1.4.7 [Medications]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.19']]/entry/substanceAdministration/effectiveTime[1]/high
	Frequency	SHOULD	1.3.6.1.4.1.19376.1.5.3.1.4.7 [Medications]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.19']]/entry/substanceAdministration/effectiveTime[2]/period/@*
	Route	SHOULD	1.3.6.1.4.1.19376.1.5.3.1.4.7 [Medications]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.19']]/entry/substanceAdministration/routeCode/@*
	Dose	SHOULD	1.3.6.1.4.1.19376.1.5.3.1.4.7 [Medications]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.19']]/entry/substanceAdministration/doseQuantity/@*
	Site	MAY	1.3.6.1.4.1.19376.1.5.3.1.4.7 [Medications]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.19']]/entry/substanceAdministration/approachSiteCode

	Rate	SHOULD	1.3.6.1.4.1.19376.1.5.3.1.4.7 [Medications]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.19']]/entry/substanceAdministration/rateQuantity
	Consumable	SHALL	1.3.6.1.4.1.19376.1.5.3.1.4.7	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.19']]/entry/substanceAdministration/consumable
	Product Entry	SHALL	1.3.6.1.4.1.19376.1.5.3.1.4.7 .2	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.19']]/entry/substanceAdministration/consumable/manufacturedProduct
	Medication Brand Name	SHALL	1.3.6.1.4.1.19376.1.5.3.1.4.7 .2 [Product Entry]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.19']]/entry/substanceAdministration/consumable/manufacturedProduct/manufacturedMaterial/name
	Strength	SHOULD	1.3.6.1.4.1.19376.1.5.3.1.4.7 .2 [Product Entry]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.19']]/entry/substanceAdministration/consumable/manufacturedProduct/manufacturedMaterial/code/originalText
	Coded product name	SHOULD	1.3.6.1.4.1.19376.1.5.3.1.4.7 .2 [Product Entry]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.19']]/entry/substanceAdministration/consumable/manufacturedProduct/manufacturedMaterial/code/@*
	Medications Administered Section (medications that are administered during the encounter) Chemotherapy, Hormone Therapy, Immunotherapy	SHALL	1.3.6.1.4.1.19376.1.5.3.1.3.2 1	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.21']]
700, 710,720	Medications Entry (Chemotherapy, Hormone Therapy, Immunotherapy)	SHALL	1.3.6.1.4.1.19376.1.5.3.1.4.7 [Medications]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.21']]/entry/substanceAdministration
1220, 1230,1240	Medication Start Date	SHOULD	1.3.6.1.4.1.19376.1.5.3.1.4.7 [Medications]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.21']]/entry/substanceAdministration/effectiveTime[1]/low
	Medication Stop Date	SHOULD	1.3.6.1.4.1.19376.1.5.3.1.4.7 [Medications]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.21']]/entry/substanceAdministration/effectiveTime[1]/high

	Administration Timing (Frequency)	SHOULD	1.3.6.1.4.1.19376.1.5.3.1.4.7 [Medications]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.21']]entry/substanceAdministration/effectiveTime[2]/period/@*
	Route	SHOULD	1.3.6.1.4.1.19376.1.5.3.1.4.7 [Medications]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.21']]entry/substanceAdministration/routeCode/@*
	Dose	SHOULD	1.3.6.1.4.1.19376.1.5.3.1.4.7 [Medications]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.21']]entry/substanceAdministration/doseQuantity/@*
	Site of medication administration	MAY	1.3.6.1.4.1.19376.1.5.3.1.4.7 [Medications]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.21']]entry/substanceAdministration/approachSiteCode
	Rate	SHOULD	1.3.6.1.4.1.19376.1.5.3.1.4.7 [Medications]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.21']]entry/substanceAdministration/rateQuantity
	Consumable	SHALL	1.3.6.1.4.1.19376.1.5.3.1.4.7	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.21']]entry/substanceAdministration/consumable
	Product Entry	SHALL	1.3.6.1.4.1.19376.1.5.3.1.4.7 .2	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.21']]entry/substanceAdministration/consumable/manufacturedProduct
	Product	SHALL	1.3.6.1.4.1.19376.1.5.3.1.4.7 .2 [Medications]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.21']]entry/substanceAdministration/consumable/manufacturedProduct/manufacturedMaterial/name
	Strength	SHOULD	1.3.6.1.4.1.19376.1.5.3.1.4.7 .2 [Product Entry]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.21']]entry/substanceAdministration/consumable/manufacturedProduct/manufacturedMaterial/code/originalText
	Code	SHOULD	1.3.6.1.4.1.19376.1.5.3.1.4.7 .2 [Product Entry]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.21']]entry/substanceAdministration/consumable/manufacturedProduct/manufacturedMaterial/code/@*
	Care Plan Section	SHALL	1.3.6.1.4.1.19376.1.5.3.1.3.3 1	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.31']]

	Observation Requests	MAY	1.3.6.1.4.1.19376.1.5.3.1.1.20.3.1	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.31']/entry[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.1.20.3.1']]]
	Medication Entry	MAY	1.3.6.1.4.1.19376.1.5.3.1.4.7	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.31']/entry[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.4.7']]]
	Immunization Entry	MAY	1.3.6.1.4.1.19376.1.5.3.1.4.12	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.31']/entry[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.4.12']]]
	Procedure Entry	MAY	1.3.6.1.4.1.19376.1.5.3.1.4.19	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.31']/entry[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.4.19']]]
	Encounters Entry	SHALL	1.3.6.1.4.1.19376.1.5.3.1.4.14	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.31']/entry/encounter
2420, 2425, 2460, 2470, 2480, 2490, 2500	Provider Referred To	SHALL	1.3.6.1.4.1.19376.1.5.3.1.4.14 [Encounters]	ClinicalDocument/component/structuredBody/component/section[templateId[@root='1.3.6.1.4.1.19376.1.5.3.1.3.31']/entry/encounter/performer/assignedEntity/assignedPerson/name/*