

მინისტრის N01-260/ო ბრძანების თანახმად „ელექტრონული სამედიცინო ჩანაწერების“ სისტემისა და „ელექტრონული ჯანდაცვის“ მოდულების ინტეგრაციის მიზნით გასატარებელ ღონისძიებათა განსახორციელებლად სამუშაო ჯგუფის შექმნის შესახებ

სამუშაო ჯგუფის სხდომის

ოქმი #5

თბილისი, SSA, II

17.09.2015წ.

17:00 სთ.

სხდომას ესწრებოდნენ:

სიმონ მნელაძე - ავერსის კლინიკის საინფორმაციო ტექნოლოგიების განყოფილების უფროსი

ნიკოლაი მუსატოვი - EMC, ტექნიკური კონსულტანტი

გია ჯღარკავა - სამინისტროს ინფორმაციული ტექნოლოგიების დეპარტამენტის პროგრამული უზრუნველყოფის სამმართველოს მთავარი სპეციალისტი

სხდომის დღის წესრიგი

„ელექტრონული სამედიცინო ჩანაწერების ელექტრონული სისტემის დანერგვის და საყოველთაო ჯანდაცვის მართვის ელექტრონულ სისტემასთან ინტეგრაციის სტატუსის მონიტორინგი, შემდგომი ნაბიჯების დაგეგმვა და განხორციელება.

შეხვედრაზე განიხილეს შემდეგი საკითხები:

1. EMC-ის წარმომადგენელმა (ნიკოლაი მუსატოვი) ავერსის წარმომადგენელს (სიმონ მნელაძე) გააცნო იმ დოკუმენტაციის პაკეტი, რომელიც უნდა იყოს გამოყენებული ინტეგრაციის პროცესში. პაკეტი შეიცავდა შემდეგ დოკუმენტებს:
 - a. MoLHSA HIS to EHR data replication manual.pdf: სახელმძღვანელო ინგლისურ ენაზე, რომელიც მოიცავს კლინიკების მხრიდან EMR-თან ინტეგრაციის ინსტრუქციას (**დანართი 1**)
 - b. Discharge Summary CDA template.xml: შაბლონი კლინიკური მონაცემების გადასაცემად (ამბულატორია, **დანართი 2**)
 - c. Consultancy Note CDA template: შაბლონი კლინიკური მონაცემების გადასაცემად (სტაციონარი, **დანართი 3**)
2. სხდომაზე დამსწრეებმა მიმოიხილეს ინტეგრაციის პროცესი, სავარაუდო ვადები და შესრულებული სამუშაოს შეფასების კრიტერიუმები
3. EMC-ის მხრიდან შეთავაზებული სამუშაო გრაფიკი მოიცავდა ჯერ შაბლონებსა და ავერსის მონაცემების მოდელს შორის შესაბამისობის ცხრილის შექმნას და შემდეგ ამ ცხრილის გადაგზავნას EMR-ში.

4. ავერსის წარმომადგენელმა დააკორექტირა შეთავაზება და დამსწრეები შეთანხმდნენ, რომ ჯერ მოხდებოდა ვებ-სერვისი ტექნიკური გამართულობის შემოწმება, ხოლო პარალელურად განხორციელდება შესაბამისობის ცხრილის შექმნა სამინისტროს ინფორმაციული ტექნოლოგიების წარმომადგენლის (გია ჯღარკავა) ჩართულობით.

EMR პროექტის მენეჯერი

გიორგი ჯღარკავა

1 დანართი 1

კლინიკური მონაცემების რეპლიკაციის სახელმძღვანელო

HIS to EHR

Clinical data replication manual

2 Terms and acronyms

CDA	Clinical Document Architecture
Clinical data	Clinical/Medical information (diagnosis, procedures, etc.) about the patients, which is subject to storing in EHR
EHR	Electronic Health Records
HIS	Health Information System
HL7	Health Level-7 or HL7 refers to a set of international standards for transfer of clinical and administrative data between software applications used by various healthcare providers.
IHE	Integrating the Healthcare Enterprise
MoLHSA	Ministry of Labour, Health and Social Affairs of Georgia
XDS	Cross-Enterprise Document Sharing

3 Intended audience

This document is for technical specialists who are responsible for HIS-EHR integration implementation.

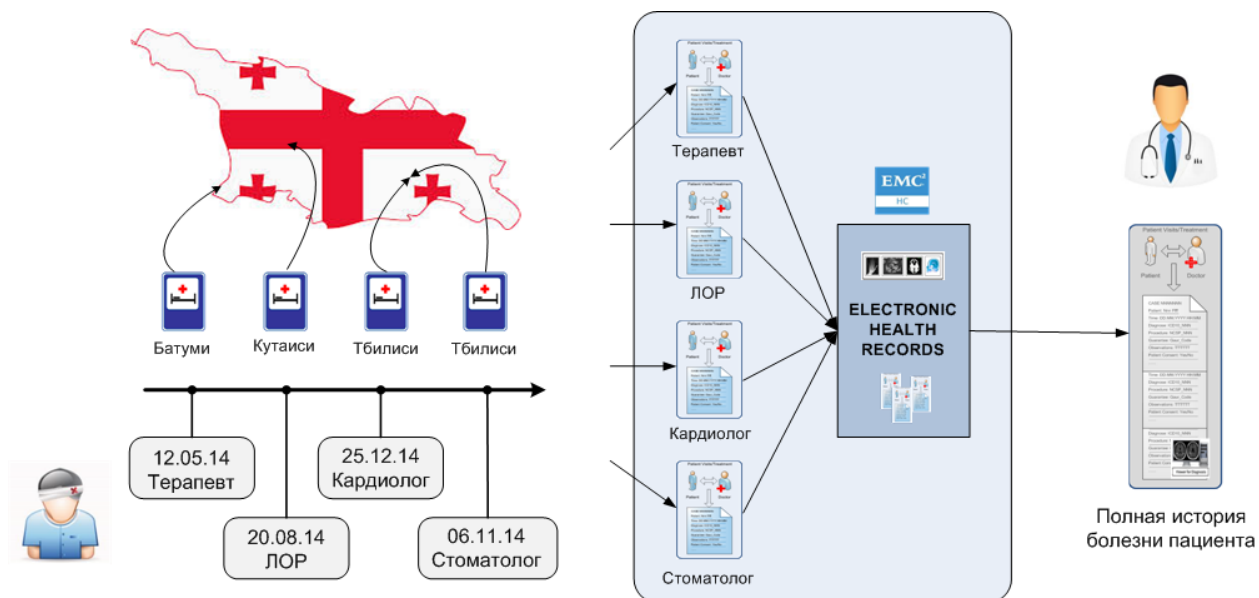
4 Document purpose

This document describes the concepts of HIS-EHR integration and contains instructions of how to implement the clinical data replication from any HIS to the National EHR.

5 Introduction

5.1 What is EHR

EHR stands for Electronic Health Records and is used as short name of the Georgian National EHR, the System, which is responsible, particularly, for collecting the history of Patients (Citizens) treatment in Healthcare Organizations of Georgia.



Patients, Doctors and Government specialists work with EHR through WEB-portals and can perform the number of actions on data depending of their rights/responsibilities.

The National EHR is a basis for integration of all the actors of the Healthcare environments: Clinical data providers, Clinical data consumers, Controlling organizations etc.

5.2 What is HIS

HIS stands for Health Information System. The current document uses this term to define any Health Information System used in any Hospital in Georgia.

Hospitals use HIS in order to automate their internal processes regarding to the patient treatments. HIS can collect many types of data and, particularly, clinical data about patients (patient demographics, diagnosis, procedures, medications, laboratory results etc.).

The clinical data can and should be replicated from the HIS to EHR.

5.3 How the data in EHR can be accessed

Doctors (as well as Patients and other data consumers) can access EHR data through EHR-portal:
<http://92.51.96.104>.



User must enter username and password.

A login form interface with a teal header containing a medical icon. It features two input fields labeled 'user' and 'password'. Below these fields is a grey 'LOG IN' button and a link for 'SmartCard Login'. The footer contains the Laserbiomed and EMC² logos, along with the text 'POWERED BY WHOSPITAL | helpdesk@laserbiomed.it'.

User = Identity Card Number

Password = Identity Card Pin Number

A request for access to the Hospital Portal will be processed by MoLHSA administration personnel and a wHospital user will be created and assigned to the relevant Operational Units.

Authentication is facilitated by using the Identity Card Number and Pin Number of the Health Care professional making the request for access.

Doctor can search Patients:

TESTHOSPITAL test_inpz

DOCUMENTS PATIENT LIST CHANGE OPERATIONAL UNIT EXIT

Surname Name

Search patient

First access ID

First access no ID

Search Clean Identify by card

Surname	Name	Sex	Patient Id	Date of birth	Family doctor	
Alghieri	Durante	M	EXT771968884	31.10.1964	?	until 15.04.2015
Berlusconi	Silvio	M	EXT920905352	01.04.1980	?	!
Doe	John	M	EXT1753808051	24.06.1987	?	until 15.04.2015
Gotsiridze	Nik	M	UNK1229513147	01.01.1982	?	!
Jaco	Pastorius	M	EXT108395171	01.12.1951	?	!
Kaladze	George	M	UNK764911595	02.02.1985	?	!

And see the clinical data(particularly Form 100) inside the Patient folder:

TestHospital Test_InPz

DOCUMENTS

PATIENT LIST

CHANGE OPERATIONAL UNIT

EXIT



Surname Name

LINCON MARIA



Doctor

Hospital forms

Patient's summary

Laboratory

Clinical view

Form100

Inserted by:Surname Name - at: 15.04.2015 11:07 (1-2)

ჯანმრთელობის მდგომარეობის სერტიფიკატი

Medical establishment issuing the certificate or physicians name,speciality,speciality certificate number

Medical establishment

Medical establishment issuing the certificate

Medical establishment issuing the certificate

Employment

სპეციალისტები და დამხმარე პერსონალი

Date

12.04.2015

☒ ექიმთან მიმართვის

☐ სტაციონარში გაგზავნის

☐ სტაციონარში მოთავსების

☐ გაწერის

Conclusion on the current health condition or full diagnosis (main disease, accompanying disease, complications))

Полный диагноз

6 Clinical data replication

6.1 What is clinical data and what is CASE

As was stated above the Clinical data is the data about the Patient treatment, containing the information like diagnosis, procedures, medications, etc.

Usually such data is represented in the form of documents:

- Discharge Summary (for In-Patient treatments)
- Consultancy Note (for Out-Patient treatment)

Each fact of Patient treatment (visit) can be called the CASE. For every CASE the Hospital can generate according document.

The unit (entity) of the clinical data replication between the HIS and EHR is CASE.

In other words the CASE is the fact of Patient treatment and it corresponds to Discharge Summary or Consultancy Note depends on treatment type.

6.2 What is CDA

CDA stands for Clinical Document Architecture.

http://www.hl7.org/implement/standards/product_brief.cfm?product_id=7

The clinical documents that can be stored in the EHR are the Clinical Document Architecture (CDA) Version 2 released by Health Level 7 (HL7) organization. CDA R2 is a structured document in XML language, which contains clinical information using international code system for addressing clinical concepts and clinical data (clinical concept -> disease, clinical data -> tuberculosis).

A generic section on each CDA R2 document can contain HTML or simple plain text, that represents the human readable representation of the structured data. In the basic case the section is referred to a specific clinical concept by means of a code and the text represents the clinical data. CDA2 documents can be validated using a XSD file that checks if the xml is formatted and compliant to a predefined schema defined by the standard. The basic XSD file is the CDA2.xsd. Any external software application compliant with CDA2 and HL7 can validate the document and analyse it to retrieve structured data by means of a matching with the CDA2 template.

An generic external application, for example a laboratory information system (LIS), can easily generate a CDA2 document for a patient's blood test and send it to the EHR. The EHR will analyse each document received matching with the defined templates, extracting structured data and populates the application DB and finally uploads the CDA2 documents on the repository.

An XML document in CDA2 format is composed by two main parts: an header and a body section.

The EHR implements 4 different template models:

- **Continuity of Care Document:** a document to summarize patient data
- **Discharge Summary:** use when an in-patient case is closed (also named discharge summary)
- **Consult note:** a document that can be related to a generic encounter for example a patient's specialist visit
- **Lab Result:** document specific for laboratory result

Each template XML is indeed related to a single cForm¹ in EHR. The mapping between the data in CDA and cForm fields is defined with placeholders:

- **\$HospitalPlaceHolder\$:** generic place holder implemented by wHospital, please refer to wHospital Administration Manual to a complete list of these placeholder. For example the name of the doctor, name or patient, birth date, gender....
- **XDTT_cFormFileName_XDTT:** the text inserted in the field
- **XDTC_cFormFileName_XDTC:** the code associated to a specific choice (this works for dropdown list and radio button control)
- **XDTS_cFormFileName_XDTS:** the value associated to a specific choice (this works for dropdown list and radio button control)

¹ The WEB-form with the clinical data

- **[XDTX_Child_cFormFieldName_XDTX]**: insert the CDA made by a linked child cForm. A child cForm is a form related to the father cForm (where this placeholder is used) by means of a field in the father cForm. This structure is useful for dynamically adding data to a cForm, refer to wHospital Framework Manual for details. Anytime that this tag is used a comment in the templates describes if the child cForm is configured in the cEMR to retrieve all the data or just the last (not multiversion/multiversion).
- **WHPROC 4**: if the next value is null than the component section where WHPROC is declared will be deleted from the final CDA

An external HIS has to replace the wHospital placeholders with the clinical data from the HIS database. In most cases the value of the fields is related to a specific code system. The common syntax is the following:

```
<value xsi:type="CD" code="[XDTC_SituationOfDeath_XDTC]" codeSystem="2.16.840.1.113883.6.3"
displayName="[XDTT_SituationOfDeath_XDTT]"/>
```

```
<!--Situation of death ICD10 chapter 20-->
```

Here the ICD10 chapter 20 is used as a possible value set for a situation of death. The code system used is the ICD10.

Another information, that is relevant for any clinical statement, act or results is the effective time. Refer to comment in the templates for ensuring the right formatting. There are several different possible expressions for a date&time:

- YYYY - year
- YYYYMM – year and month
- YYYYMMDD – year month and day
- YYYYMMDDHHMMSS-0500 - – year month day and time, this is used for document creation and signature info

6.3 What is xDS

xDS stands for Cross-Enterprise Document Sharing.

http://wiki.ihe.net/index.php?title=Cross-Enterprise_Document_Sharing

It facilitates the registration, distribution and access across health enterprises of patient electronic health records. Cross-Enterprise Document Sharing (XDS) is focused on providing a standards-based specification for managing the sharing of documents between any healthcare enterprise, ranging from a private physician office to a clinic to an acute care in-patient facility and personal health record systems.

These are distinct entities with separate responsibilities:

- A Document Repository² is responsible for storing documents in a transparent, secure, reliable and persistent manner and responding to document retrieval requests.
- A Document Registry³ is responsible for storing information about those documents so that the documents of interest for the care of a patient may be easily found, selected and retrieved irrespective of the repository where they are actually stored.
- Documents⁴ are provided by one or more Document Sources⁵
- They are then accessed by one or more [Document Consumers](#)⁶

² The EHR repository

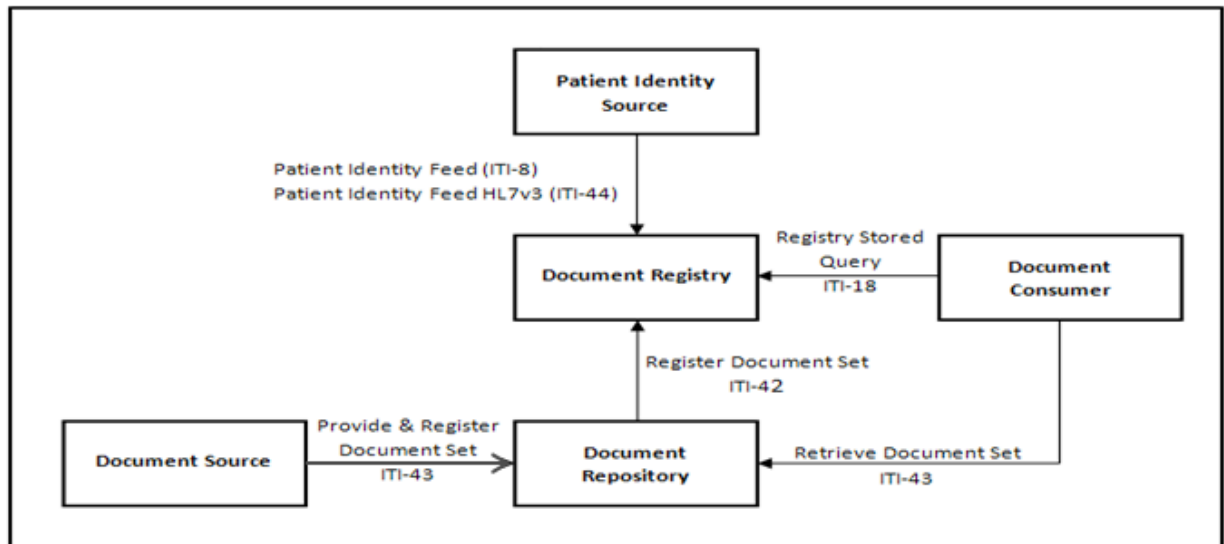
³ The EHR Registry

⁴ The Discharge Summary and Consultancy Note

⁵ The HIS database and documents storage

⁶ Hospital (doctors), Patients and other data consumers

Actors & Transactions:



6.4 How to send CDA to EHR using xDS

The CDA-document can be sent to EHR Web-Service Gateway by using IHE XDS-b ITI-41 transaction⁷. Address - http://92.51.96.100/wh_HL7/Gateway/XDS_Repo.asmx (see section 8.6 for all environments description).

EHR wHL7Gateway XDS_Stub is responsible for:

- Receiving CDA-documents and metadata
- Check security & privacy policy
 - Check HCP authorization to publish documents to the EHR
 - Check Patient Consent to be treated in the EHR
- Parse CDA-document to retrieve both metadata (information about author and patient,...) and clinical data
- For each CDA sections split relevant clinical information in EHR Database
- Publish CDA-document to EHR Repository

The following is a sample SOAP 1.2 request and response. The placeholders shown need to be replaced with actual values.

```
POST /wh_HL7/Gateway/XDS_Repo.asmx HTTP/1.1
Host: 92.51.96.100
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap12="http://www.w3.org/2003/05/soap-
envelope">
  <soap12:Body>
    <DocumentRepository_ProvideAndRegisterDocumentSetb xmlns="urn:ihe:iti:xds-b:2007">
      <ProvideAndRegisterDocumentSetRequest>string</ProvideAndRegisterDocumentSetRequest>
    </DocumentRepository_ProvideAndRegisterDocumentSetb>
  </soap12:Body>
```

⁷ http://wiki.ihe.net/index.php?title=Cross-Enterprise_Document_Sharing;
http://www.ihe.net/Technical_Frameworks/#IT;
http://www.ihe.net/uploadedFiles/Documents/ITI/IHE_ITI_TF_Vol2b.pdf

```
</soap12:Envelope>
```

HTTP/1.1 200 OK

Content-Type: application/soap+xml; charset=utf-8

Content-Length: [length](#)

```
<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap12="http://www.w3.org/2003/05/soap-
envelope">
  <soap12:Body>
    <DocumentRepository_ProvideAndRegisterDocumentSetbResponse xmlns="urn:ihe:iti:xds-b:2007">
      <DocumentRepository_ProvideAndRegisterDocumentSetbResult status="anyURI" requestId="anyURI">
        <ResponseSlotList xmlns="urn:oasis:names:tc:ebxml-regrep:xsd:rs:3.0">
          <Slot name="string" slotType="anyURI" xmlns="urn:oasis:names:tc:ebxml-regrep:xsd:rim:3.0">
            <ValueList xsi:nil="true" />
          </Slot>
          <Slot name="string" slotType="anyURI" xmlns="urn:oasis:names:tc:ebxml-regrep:xsd:rim:3.0">
            <ValueList xsi:nil="true" />
          </Slot>
        </ResponseSlotList>
        <RegistryErrorList highestSeverity="anyURI" xmlns="urn:oasis:names:tc:ebxml-regrep:xsd:rs:3.0">
          <RegistryError codeContext="string" errorCode="string" severity="anyURI" location="string" />
          <RegistryError codeContext="string" errorCode="string" severity="anyURI" location="string" />
        </RegistryErrorList>
      </DocumentRepository_ProvideAndRegisterDocumentSetbResult>
    </DocumentRepository_ProvideAndRegisterDocumentSetbResponse>
  </soap12:Body>
</soap12:Envelope>
```

XDS ITI-41. ProvideAndRegisterDocumentSet request sample:

```
<ProvideAndRegisterDocumentSetRequest xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ihe:iti:xds-b:2007 ../schema/IHE/XDS.b_DocumentRepository.xsd"
xmlns="urn:ihe:iti:xds-b:2007" xmlns:lcm="urn:oasis:names:tc:ebxml-regrep:xsd:lcm:3.0"
xmlns:rim="urn:oasis:names:tc:ebxml-regrep:xsd:rim:3.0" xmlns:rs="urn:oasis:names:tc:ebxml-regrep:xsd:rs:3.0">
  <lcm:SubmitObjectsRequest>
    <rim:RegistryObjectList>
      <rim:ExtrinsicObject id="Doc01" mimeType="text/xml"

          objectType="urn:uuid:7edca82f-054d-47f2-a032-9b2a5b5186c1" />
      <rim:RegistryPackage id="SubmissionSet01">
        <rim:Classification id="cl10" classifiedObject="SubmissionSet01"

          classificationNode="urn:uuid:a54d6aa5-d40d-43f9-88c5-b4633d873bdd"
          nodeRepresentation="" />
      </rim:RegistryObjectList>
    </lcm:SubmitObjectsRequest>
    <Document id="Doc01">UjBsR09EbGhjZ0dTQUxNQUFBUUNBRU1tQ1p0dU1GUXhEUzhi</Document>
  </ProvideAndRegisterDocumentSetRequest>
```

CDA Example:

```
<Document id="Doc01">UjBsR09EbGhjZ0dTQUxNQUFBUUNBRU1tQ1p0dU1GUXhEUzhi</Document>
```



```
<?xml version="1.0"?>
<?xml-stylesheet type="text/xsl" href="CDASchemas\cda\Schemas\CCD.xsl"?>
<!-- The following sample document depicts a fictional character's health summary. Any resemblance to a real
person is coincidental. -->
<ClinicalDocument xmlns="urn:hl7-org:v3"
xmlns:voc="urn:hl7-org:v3/voc"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:hl7-org:v3 CDA.xsd">
  <!-- *****CDA Header*****-->
  <typeId root="2.16.840.1.113883.1.3" extension="POCD_HD000040"/>
  <templateId root="2.16.840.1.113883.10.20.1"/> <!-- CCD v1.0 Templates Root -->
  <id root="db734647-fc99-424c-a864-7e3cda82e703"/>
  <code code="34133-9" codeSystem="2.16.840.1.113883.6.1" displayName="Summarization of episode
note"/>
  <title>Good Health Clinic Continuity of Care Document</title>
  <effectiveTime value="20000407130000+0500"/>
  <confidentialityCode code="N" codeSystem="2.16.840.1.113883.5.25"/>
  <languageCode code="en-US"/> <!--(kat) for Georgian-->
  <recordTarget/>
  <author/>
  <informant/>
  <custodian/>
  <legalAuthenticator/>
  <participant/>
  <documentationOf/>
  <!-- **CDA Body***-->
  <component>
    <structuredBody />
  </component>
</ClinicalDocument>
```

6.4.1 HL7 Messages Transport And Security issues

The wHL7Gateway can be exposed on HTTPS with SSLv3 (or later).

6.5 Patients management

Every CDA-document must contain the Patient demographics data. Before sending CDA-document to the EHR it's necessary to make sure such Patient is already exists in EHR.

EHR supports HL7-messaging (particularly ADT⁸-messages). For example, the message ADT^A01 can be used to admit new Patient in EHR and then put the documents (CDA) regarding to that Patient.

http://92.51.96.100/wh_HL7/Gateway/HL7_In.aspx?op=ReceiveV2Msg

Here is the list of supported messages:

ADT^A01	Patient Admit	An "admit patient" message (A01 "event") is used for "Admitted" patients only. These messages are sent as a result of patients beginning their stay in the healthcare facility
---------	---------------	--

⁸ Admit, Discharge, Transfer. http://www.hl7.org/implement/standards/product_brief.cfm?product_id=92

ADT^A02	Patient Transfer	An HL7 ADT^A02 event is issued as a result of the patient changing his or her assigned physical location.
ADT^A03	Patient Discharge	A “discharge patient” or “end visit” message (A03 event) should be sent when an inpatient’s stay in the healthcare facility is ended, or an outpatient or emergency room visit is ended.
ADT^A04	Register Patient	A “register patient” message (A04 event) signals that the patient has arrived or checked in as an outpatient, recurring outpatient, or emergency room patient.
ADT^A05	Patient PreAdmit	A “pre-admission” message (A05 event) is sent to notify the interface of a patient pre-admission process
ADT^A08	Update Visit information	This message (A08 event) is used when any patient information has changed but when no other ADT event has occurred
ADT^A11	Cancel Admission	For inpatients, the “cancel admission” message ADT (A11 event) is sent when an earlier “admission” message (A01 event) is canceled, either because of an erroneous entry or because of a revised decision to not admit the patient. For outpatients/ER patients, the message is sent when an earlier “register outpatient” message (A04 event) is canceled for similar reasons. If the patient has orders on file, the patient will be discharged by the application. If no orders are on file, the patient’s record will be deleted.
ADT^A12	Cancel Transfer	The “cancel transfer” message (A12 event) is intended to reverse an earlier “transfer” message, either because of an erroneous entry or because of a revised decision to not transfer the patient.
ADT^A13	Cancel Discharge	The ADT “cancel discharge” message A13 event is sent when an earlier “discharge patient” message (A03 event) is canceled, either because of erroneous entry or because of a revised decision to not discharge, or end the visit of, the patient.
ADT^A38	Cancel Preadmit	The A38 event is sent when an A05 (pre-admit a patient) event is canceled, either because of erroneous entry of the A05 event or because of a decision not to pre-admit the patient after all.

6.5.1 ADT01 message description

6.5.1.1 ADT^A01 - Segments that compose the message:

- 0: MSH (Message Header)
- 1: SFT (Software Segment) optional repeating
- 2: EVN (Event Type)
- 3: PID (Patient Identification)
- 4: PD1 (Patient Additional Demographic) optional
- 5: ROL (Role) optional repeating
- 6: NK1 (Next of Kin / Associated Parties) optional repeating
- 7: PV1 (Patient Visit)
- 8: PV2 (Patient Visit - Additional Information) optional
- 9: ROL (Role) optional repeating
- 10: DB1 (Disability) optional repeating
- 11: OBX (Observation/Result) optional repeating

- 12: AL1 (Patient Allergy Information) optional repeating
- 13: DG1 (Diagnosis) optional repeating
- 14: DRG (Diagnosis Related Group) optional
- 15: ADT_A01_PROCEDURE (a Group object) optional repeating
- 16: GT1 (Guarantor) optional repeating
- 17: ADT_A01_INSURANCE (a Group object) optional repeating
- 18: ACC (Accident) optional
- 19: UB1 (UB82) optional
- 20: UB2 (UB92 Data) optional
- 21: PDA (Patient Death and Autopsy) optional

6.5.1.2 ADT^A01 – MSH segment:

- MSH-1: Field Separator (**ST**)
- MSH-2: Encoding Characters (**ST**)
- MSH-3: Sending Application (**HD**)
- MSH-4: Sending Facility (**HD**)
- MSH-5: Receiving Application (**HD**)
- MSH-6: Receiving Facility (**HD**)
- MSH-7: Date/Time Of Message (**TS**)
- MSH-8: Security (**ST**)
- MSH-9: Message Type (**MSG**)
- MSH-10: Message Control ID (**ST**)
- MSH-11: Processing ID (**PT**)
- MSH-12: Version ID (**VID**)
- MSH-13: Sequence Number (**NM**)
- MSH-14: Continuation Pointer (**ST**)
- MSH-15: Accept Acknowledgment Type (**ID**)
- MSH-16: Application Acknowledgment Type (**ID**)
- MSH-17: Country Code (**ID**)
- MSH-18: Character Set (**ID**)
- MSH-19: Principal Language Of Message (**CE**)
- MSH-20: Alternate Character Set Handling Scheme (**ID**)
- MSH-21: Message Profile Identifier (**EI**)

6.5.1.3 ADT^A01 – Example

```
MSH|^~\&|Test|&2.16.840.1.113883.3.37.4.1.1.2.2.1&ISO|Test App|Test Facility|20081204114742||ADT^A01|
123456|P|2.3.1|||ER
EVN|A01|20081204114742
PID|1||1234567890@WH_MPI^^^&1.3.6.1.4.1.21367.2005.3.7&ISO||Vania^Manzelli^Danger^PhD.^Mr.^L||
19630429|M|||21 Jumpstreet^^Test City^IL^01234^USA^H~21 Jumpstreet^^Test
City^IL^01234^USA^H||
012-0001~012-0002^WPN^PH~012-0003^ORN^CP|||ANG||444-555-666|777-888-999^NY|||
Test Place|||GBR|||20093009|Y
NK1|1|Eisner^Helga|SPO|Bahnhofstr. 1^^Testort^^01234^DE|012-8650
PV1|1||B1|R|||Herzchirurgie|||N||172008190^^XREF2005|||200403150900
```

DG1|1|i10|J09|Vogelgrippe|20040315000000|A|||||||1
IN1|1|A-666-777|BKK Hoesch|||||20040101|20141231|||||||||||||||||||||||||||||||333-444-
555

```
<?xml version="1.0" encoding="utf-8"?>
  <soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap12="http://www.w3.org/2003/05/soap-
envelope">
    <soap12:Body>
      <ReceiveV2Msg xmlns="http://whospital.com/">
        <sender>string</sender>
        <receiver>string</receiver>
        <msgID>guid</msgID>
        <processingMode>string</processingMode>
        <timeStamp>dateTime</timeStamp>
        <hl7Version>v23 or v231 or v24 or v25</hl7Version>
        <msgType>ADT_A01 or others</msgType>
        <formatType>pipe or xml</formatType>
        <acceptAckCode>AL or ER or NE</acceptAckCode>
        <HI7RawMsg>string</HI7RawMsg>
      </ReceiveV2Msg>
    </soap12:Body>
  </soap12:Envelope>
```

```
<?xml version="1.0" encoding="utf-8"?><soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
<soap12:Body>
  <ReceiveWrappedV2MsgResponse xmlns="http://whospital.com/">
    <ReceiveWrappedV2MsgResult>
      <sender>string</sender>
      <receiver>string</receiver>
      <msgID>guid</msgID>
      <processingMode>string</processingMode>
      <timeStamp>dateTime</timeStamp>
      <hl7Version>v23 or v231 or v24 or v25</hl7Version>
      <msgType>ADT_A01 or others</msgType>
      <formatType>pipe or xml</formatType>
      <acceptAckCode>AL or ER or NE</acceptAckCode>
      <ResponseRawMsg>string</ResponseRawMsg>
      <Errors>
        <Error>
          <Code>string</Code>
          <Description>string</Description>
        </Error>
      </Errors>
      <Warnings>
        <Warning>
          <Code>string</Code>
        </Warning>
      </Warnings>
    </ReceiveWrappedV2MsgResult>
  </ReceiveWrappedV2MsgResponse>
</soap12:Body>
</soap12:Envelope>
```

```
</ReceiveWrappedV2MsgResponse>
</soap12:Body>
</soap12:Envelope>
```

7 How to automate the HIS-to-EHR data replication process

7.1 Prerequisites

In order to implement HIS-to-EHR clinical data replication the Hospital must have the following:

- Health Information System (HIS)
Which collects the In-Patient or Out-Patient (or both) treatment history.
- HIS Development and/or Test environment
Where technical specialists could develop and test new functionality.
- Technical specialist (developer, tester)
Who can develop and test the new HIS functionality (in this case the EHR integration module). The technical specialist must be familiar with:
 - Some of the programming language (for example, Java) in order to write the program code
 - Basic medicine standards about storing and sharing the information (HL7, CDA, xDS)
 - HIS data model

7.2 Step 1. Define the data mapping from HIS data model to CDA templates

What is given: the CDA templates (see 8.1 and 8.2) with EHR placeholders

What to do: to extract according data from the HIS and replace the placeholders with this info

The data mapping must define the correspondence between the HIS data model (tables and attributes) and the placeholders, defined in CDA template. The data mapping can be defined in a different ways, for example, as an XML file with (HIS data model)-to-(placeholders) correspondence. Another way to define the mapping is to take an existing CDA templates (see 8.1 and 8.2) and replace the EHR placeholders with the HIS placeholders.

The HIS placeholder format can be defined by the Hospital (by the technical specialist responsible for integration module development). The format could be the following:

\$HIS.{tablename}.{attributename}

and

#HIS.{tablename}.{attributename}{{secondarytablename}.{secondaryattributename}}

where:

\$	Means the direct link to HIS table and attribute from where the value must be taken.
#	Means the link to secondary table by primary key from the main table
{tablename}	The name of the table, where the needed data is located
{attributename}	The name of the attribute, which contains the needed value or (in case of # placeholder) the primary key to link to the secondary table.
{secondarytablename}	The name of the secondary table, where the needed data is located
{secondaryattributename}	The name of the attribute in secondary table, which contains the value

An example of the CDA-template with the placeholders of external System is given in section 8.3

7.3 Step 2. Develop HIS-to-CDA data extractor component (on dev env.)

After the CDA-templates are ready and contains HIS placeholders they can be used to generate CDA-instances (real documents), containing the real data from HIS.

What is given: the CDA templates with HIS placeholders, which linked to the specific HIS data .

What to do next: develop the program module, which will generate CDA-instances (the real CDA documents with the real data from HIS according to the placeholders).

This module (HIS-to-CDA data extractor) should be common for both In- and Out-Patient CDA-template and must extract the data from the HIS and put it into the proper CDA-template in accordance to placeholders.

An example of the CDA-instance is given in section 8.4.

7.4 Step 3. Develop CDA-to-EHR sender component (on dev env.)

After the CDA-instance created it can be sent to EHR for permanent storing.

What is given: the HIS-to-CDA extractor developed and can generate the CDA-instances.

What to do next: develop the program module, which will send CDA-instances to the EHR.

This module (CDA-to-EHR sender) also should be common for both In- and Out-Patient CDA-instances and must send the documents to appropriate EHR web-service.

The description of how to send the CDA-document to EHR using xDS protocol is given in section 7.4.

After the document is successfully sent and stored in EHR the HIS must mark according CASE as replicated. If the CASE will be changed later the HIS must generate and send the new CDA to the HIS.

It's recommended to send the CDA-documents for "closed" CASEes only to avoid multiple sending of the same CASE.

7.5 Step 4. Test data replication between HIS test and EHR test environments

What is given: the data mapping is done, the HIS-to-CDA extractor developed, the CDA-to-EHR sender implemented.

What to do next: perform integration testing of the data replication using HIS test environment and EHR test environment.

See EHR test address in section 8.6.

The Ministry must enter and configure the Hospital in EHR database to be able to accept the documents (CASEes) and link them to the right Hospital.

7.6 Step 5. Validate the clinical data on EHR side (together with Ministry)

What is given: the data replication process was tested and working properly.

What to do next: validate the replicated data in EHR and write the Report to the Ministry.

The Report should contain the following information:

- Hospital description and contacts
- HIS name and version
- Brief description of replicated data (CASE IDs, Patients names etc.) during the testing

Ministry can use this Report to validate the replicated data and approve (or decline with comments) the HIS integration with the production environment of EHR.

7.7 Step 6. Move developed components to HIS production environment

What is given: the replicated data was validated at test EHR, the Ministry approves integration with production EHR.

What to do next: switch HIS integration components to the EHR prod environment, perform test replication for several documents and validate the replicated data.

See EHR prod address in section 8.6.

7.8 Step 7. Turn-on data replication between HIS prod and EHR prod environment

After the HIS integration components were switched to HIS prod environment and the data replication is tested and validated, the HIS can be configured to replicate the data automatically.

The automatic data replication can be launched by the special JOB or OS scheduler, which will run according integration components.

The Hospital must notify the Ministry about turning-on the automatic data replication for prod environment.

8 APPENDIXES

8.1 In-Patient CDA template (Discharge Summary)

Discharge Summary CDA-template is given in separate file «Discharge Summary CDA template.xml».

8.2 Out-Patient CDA template (Consultancy Note)

Consultancy Note CDA-template is given below and in separate file «Consultancy Note CDA template.xml».

8.3 CDA data mapping sample

Below is the part of CDA-template (the section Problems) with mapping to the System "Acme".

```
<entry typeCode="DRIV">
  <!-- wHospital cForm has to retrieve this from sign infos details-->
  <act classCode="ACT" moodCode="EVN">
    <templateId root='2.16.840.1.113883.10.20.1.27'/>
    <!-- Problem act template -->
    <id root="Problem" extension ="$Acme.CaseRegistration.CR_Messages.MessageID"/>
    <!-- XDTT specific wHospital Tag-->
    <code nullFlavor="NA"/>
    <effectiveTime>
      <low xsi:type="INT" value="$Acme.CaseRegistration.CR_MessageDiagnosis.ThreatmentStartDate"/>
      <!-- Years wHtable -->
      <high xsi:type="INT" value="$Acme.CaseRegistration.CR_MessageDiagnosis.ThreatmentEndDate"/>
    </effectiveTime>

    <entryRelationship typeCode="REFR">
      <!-- Has to be used also for generic problems no related to specific disease, can include also symptom -->
      <observation classCode="OBS" moodCode="EVN">
        <id root="Problem_Comment" extension ="XDTT_ID_A_Problems_XDTT"/>
        <code code="55607006" codeSystem="2.16.840.1.113883.6.96" displayName="Problem"/>
        <value xsi:type="ST">
          $Acme.CaseRegistration.CR_MessageDiagnosis.NosologyClassName
        </value>
      </observation>
    </entryRelationship>

    <entryRelationship typeCode="SUBJ">
      <!-- When it is related to a specific ICD10 diagnosis-->
      <observation classCode="OBS" moodCode="EVN">
        <templateId root='2.16.840.1.113883.10.20.1.28'/>
        <!-- Problem observation template -->
        <code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4"/>
        <!--<statusCode code="completed"/>-->
        <value xsi:type="CD" code="" codeSystem="2.16.840.1.113883.6.3" displayName=""/>
        <!--IC10 code system-->
        <value xsi:type="CD" code="$Acme.CaseRegistration.CR_MessageDiagnosis.NosologyClassCode"
          codeSystem="2.16.840.1.113883.6.3"
          displayName="$Acme.CaseRegistration.CR_MessageDiagnosis.NosologyClassName"/>
        <!--IC10 code system-->
      </observation>
    </entryRelationship typeCode="REFR">
      <observation classCode="OBS" moodCode="EVN">
        <templateId root='2.16.840.1.113883.10.20.1.50'/>
        <!-- Problem status observation template -->
        <code code="33999-4" codeSystem="2.16.840.1.113883.6.1" displayName="Status"/>
        <statusCode code="completed"/>
        <value xsi:type="CE" code="55561003" codeSystem="2.16.840.1.113883.6.96" displayName="Active"/>
        <!-- Use the value set 2.16.840.1.113883.1.11.20.13 ProblemStatusCode -->
      </observation>
    </entryRelationship>
  </act>
</entry>
```

```

    </observation>
  </entryRelationship>
</act>
</entry>

```

8.4 CDA-instance sample

Below is an example of CDA-instance's Medication section:

```

<component>
  <section>
    <templateId root="2.16.840.1.113883.10.20.16.2.2"/>
    <templateId root="1.3.6.1.4.1.19376.1.5.3.1.3.22"/>
    <code codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" code="10183-2"
      displayName=" HOSPITAL DISCHARGE MEDICATIONS "/>
    <title>HOSPITAL DISCHARGE MEDICATIONS</title>
    <text>
      <list listType="ordered">
        <item><content ID="m1">Lisinopril 5 mg</content> 1 tablet once a day
      </item>
        <item><content ID="m2">Atenolol 25 mg</content> 1 tablet once a day
      </item>
        <item><content ID="m3">Furosemide 40 mg</content> 4 tablets daily in
          divided doses </item>
        <item><content ID="m4">Gabapentin 300 mg</content> 1 tablet twice a day
      </item>
        <item><content ID="m5">Simvastatin (Zocor) 10 mg</content> 1 tablet once
          a day at bedtime </item>
      </list>
      <paragraph>The patient has just completed a 4 week course of Vanco and
        Rifampin for a MRSA UTI.</paragraph>
      <paragraph>I note that this patient has been on Prednisone for ? adrenal
        insufficiency in the past.</paragraph>
    </text>
    <entry>
      <substanceAdministration classCode="SBADM" moodCode="EVN">
        <templateId root="1.3.6.1.4.1.19376.1.5.3.1.4.7"/>
        <consumable>
          <manufacturedProduct>
            <manufacturedLabeledDrug>
              <code codeSystem="2.16.840.1.113883.6.88"
                codeSystemName="RxNorm" code="203644"
                displayName="LISINOPRIL (PRINIVIL)--PO 5MG
TAB">
              <originalText>
                <reference value="#m1"/>
              </originalText>
            </code>
          </manufacturedLabeledDrug>
        </manufacturedProduct>
      </consumable>
    </substanceAdministration>
  </entry>
</section>
</component>

```

8.5 XDS.b_DocumentRepository.wsdl

XDS.b_DocumentRepository.wsdl is given below and in separate «XDS.b_DocumentRepository.wsdl» file.

```

<?xml version="1.0" encoding="utf-8"?>
<!-- This wsdl file is for an XDS.b Document Repository Actor -->
<definitions xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
  xmlns="http://schemas.xmlsoap.org/wsdl/" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:ihe="urn:ihe:iti:xds-b:2007" xmlns:rs="urn:oasis:names:tc:ebxml-regrep:xsd:rs:3.0"
  targetNamespace="urn:ihe:iti:xds-b:2007" xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/"
  xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl" name="DocumentRepository">
  <documentation>IHE XDS.b Document Repository</documentation>

  <types>
    <xsd:schema elementFormDefault="qualified"
      targetNamespace="urn:ihe:iti:xds-b:2007"
      xmlns:ihe="urn:ihe:iti:xds-b:2007">
      <!-- Include the message schema -->
      <xsd:include schemaLocation="../schema/IHE/XDS.b_DocumentRepository.xsd"/>
    </xsd:schema>
    <xsd:schema elementFormDefault="qualified"
      targetNamespace="urn:oasis:names:tc:ebxml-regrep:xsd:rs:3.0"
      xmlns:rs="urn:oasis:names:tc:ebxml-regrep:xsd:rs:3.0">
      <!-- Include the message schema -->
      <xsd:include schemaLocation="../schema/ebRS/rs.xsd"/>
    </xsd:schema>
    <!-- While no elements are directly used from these schema in the WSDL,
      they need to be present here in order for
      code generating toolkits to work properly -->
    <xsd:schema elementFormDefault="qualified"
      targetNamespace="urn:oasis:names:tc:ebxml-regrep:xsd:lcm:3.0"
      xmlns:lcm="urn:oasis:names:tc:ebxml-regrep:xsd:lcm:3.0">
      <!-- Include the message schema -->
      <xsd:include schemaLocation="../schema/ebRS/lcm.xsd"/>
    </xsd:schema>
    <xsd:schema elementFormDefault="qualified"
      targetNamespace="urn:oasis:names:tc:ebxml-regrep:xsd:rim:3.0"
      xmlns:lcm="urn:oasis:names:tc:ebxml-regrep:xsd:rim:3.0">
      <!-- Include the message schema -->
      <xsd:include schemaLocation="../schema/ebRS/rim.xsd"/>
    </xsd:schema>

    <!-- Importing all schemas within one seems to confuse some parsers
      and code-generation tools (and may be invalid)
    <xsd:schema elementFormDefault="qualified">
      <xsd:import namespace="urn:oasis:names:tc:ebxml-regrep:xsd:rs:3.0"
        schemaLocation="../schema/ebRS/rs.xsd"/>
      <xsd:import namespace="urn:ihe:iti:xds-b:2007"
        schemaLocation="../schema/IHE/XDS.b_DocumentRepository.xsd"/>
    </xsd:schema>
    -->
  </types>

  <!-->
  <!--<message name="RetrieveDocumentSet_Message">
    <documentation>Retrieve Document Set</documentation>
    <part name="body" element="ihe:RetrieveDocumentSetRequest"/>
  </message>-->
  <!--<message name="RetrieveDocumentSetResponse_Message">
    <documentation>Retrieve Document Set Response</documentation>
    <part name="body" element="ihe:RetrieveDocumentSetResponse"/>
  </message>-->
  <message name="ProvideAndRegisterDocumentSet-b_Message">
    <documentation>Provide and Register Document Set</documentation>
    <part name="body" element="ihe:ProvideAndRegisterDocumentSetRequest"/>

```

```

</message>
<message name="ProvideAndRegisterDocumentSet-bResponse_Message">
  <documentation>Provide And Register Document Set Response</documentation>
  <part name="body" element="rs:RegistryResponse"/>
</message>

<portType name="DocumentRepository_PortType">
  <!--<operation name="DocumentRepository_RetrieveDocumentSet">
    <input message="ihe:RetrieveDocumentSet_Message"
      wsaw:Action="urn:ihe:iti:2007:RetrieveDocumentSet"/>
    <output message="ihe:RetrieveDocumentSetResponse_Message"
      wsaw:Action="urn:ihe:iti:2007:RetrieveDocumentSetResponse"/>
  </operation-->
  <operation name="DocumentRepository_ProvideAndRegisterDocumentSet-b">
    <input message="ihe:ProvideAndRegisterDocumentSet-b_Message"
      wsaw:Action="urn:ihe:iti:2007:ProvideAndRegisterDocumentSet-b"/>
    <output message="ihe:ProvideAndRegisterDocumentSet-bResponse_Message"
      wsaw:Action="urn:ihe:iti:2007:ProvideAndRegisterDocumentSet-bResponse"/>
  </operation>
</portType>
<binding name="DocumentRepository_Binding" type="ihe:DocumentRepository_PortType">
  <soap12:binding style="document" transport="http://schemas.xmlsoap.org/soap/http"/>
  <operation name="DocumentRepository_ProvideAndRegisterDocumentSet-b">
    <soap12:operation soapAction="urn:ihe:iti:2007:ProvideAndRegisterDocumentSet-b"/>
    <input>
      <soap12:body use="literal"/>
    </input>
    <output>
      <soap12:body use="literal"/>
    </output>
  </operation>
  <!--<operation name="DocumentRepository_RetrieveDocumentSet">
    <soap12:operation soapAction="urn:ihe:iti:2007:RetrieveDocumentSet"/>
    <input>
      <soap12:body use="literal"/>
    </input>
    <output>
      <soap12:body use="literal"/>
    </output>
  </operation-->
</binding>
<service name="DocumentRepository_Service">
  <port name="DocumentRepository_Port_Soap12" binding="ihe:DocumentRepository_Binding">
    <soap12:address location="http://servicelocation/DocumentRepository_Service"/>
  </port>
</service>
</definitions>

```

8.6 EHR environments addresses

Environment	IP Web	EHR/Endpoints
Development/Testing	92.51.96.100 (порты 80/81 соответственно) Application Server 1	EHR: http://92.51.96.100/ HL7 Gateway: http://92.51.96.100/wh_HL7/Gateway/HL7_In.aspx xDS Gateway: http://92.51.96.100/wh_HL7/Gateway/XDS_Repo.aspx

Production	92.51.96.104 Application Server 1	EHR: http://92.51.96.104/ HL7 Gateway: http://92.51.96.105/HL7/Gateway/HL7_In.aspx xDS Gateway: http://92.51.96.105/HL7/Gateway/XDS_Repo.aspx
------------	--------------------------------------	--

8.7 Contacts for questions and more info

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Michael Janiashvili, mic@moh.gov.ge

შაბლონი კლინიკური მონაცემების გადასაცემად (ამბულატორია)

```
<?xml version="1.0"?>
<!--<?xml-stylesheet type="text/xsl" href="CDASchemas\cda\Schemas\CCD.xml"?-->
<!-- Georgia Central Medical Record system CDA2 header example template -->
<ClinicalDocument xmlns="urn:hl7-org:v3" xmlns:voc="urn:hl7-org:v3/voc"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:hl7-org:v3 CDA.xsd">
  <!--
  *****
  CDA Header
  *****
  -->
  <typeId root="2.16.840.1.113883.1.3" extension="POCD_HD000040"/>
    <templateId root="2.16.840.1.113883.10.20.1"/> <!-- CCD v1.0 Templates Root -->
    <id root="$Provider.Ou.PraesidiumCode$_$Provider.Ou.Code$_$DocUniquelid$"/>
    <code code="11488-4" codeSystem="2.16.840.1.113883.6.1" displayName="Consult note"/>
    <title>Georgia cEMR Consult note </title>
    <effectiveTime value="$EffectiveTime$"/> <!-- ex effective time format YYYYMMDDHHMMSS-0500 -->
    <confidentialityCode code="N" codeSystem="2.16.840.1.113883.5.25"/> <!-- For any value different form
Normal (N) also the attached DAO is required-->
    <languageCode code="en-US"/> <!-- use "kat" for Georgian language from ISO-639-1 -->
    <recordTarget>
      <patientRole>
        <id root="2.16.840.1.113883.19.5" extension="$Pat.NNid$"/> <!-- Example OID use the
Minister Of Justice - Civil Register OID-->
        <patient> <!-- Required -->
          <name>
            <given>$Pat.Name$</given>
            <family>$Pat.FamilyName$</family>
          </name>
          <birthTime value="$Pat.Birthdate$"/> <!-- YYYYMMDD -->
          <administrativeGenderCode code="$Pat.Gender$" codeSystem="2.16.840.1.113883.5.1"/> <!-- H7 gender code
http://hl7.org/implement/standards/fhir/v3/AdministrativeGender/index.htm -->
          <addr> <!-- Optional, not update on application DB-->
            <streetAddressLine>$descIndirizzoRecapitoPaziente_H$</streetAddressLine> <!-- Plain text not formatted -->
            <city>$descComuneRecapitoPaziente_H$</city> <!-- Plain text not formatted -->
            <state>$codProvinciaRecapitoPaziente_H$</state> <!-- Plain text not formatted -->
            <postalCode>$codCAPRecapitoPaziente_H$</postalCode> <!-- Plain text not formatted -->
            <country>Georgia</country> <!-- Plain text not formatted -->
          </addr>
          <telecom value="$Telephone$" use="HP"/> <!-- Optional -->
        </patient>
        <providerOrganization>
          <id root="2.16.840.1.113883.19.5" extension
="$HospitalCode$_$OperationalUnitCode$"/> <!-- Example OID use the MOLSHA OID-->
          <name>$Provider.Ou.PraesidiumDescription$
$Provider.Ou.SubPraesidium.Description$ $Provider.Ou.Description$</name>
        </providerOrganization>
      </patientRole>
    </recordTarget>
    <author> <!-- Required -->
      <time value="$AssignedAuthor.Date$"/> <!-- Required ex effective time format YYYYMMDDHHMMSS-0500 -->
      <assignedAuthor classCode="ASSIGNED"> <!-- Required -->
        <root id = "2.16.840.1.113883.19.5" extension = "$AssignedAuthor.NNid$" Displayable = "true"
assigningAuthorityName = "Georgia MOJ - Civil Register" /> <!-- Required -->
        <assignedPerson>
          <name>
            <prefix>$AssignedAuthor.Prefix$</prefix> <!-- Optional, not checked -->
            <family>$AssignedAuthor.Surname$</family> <!-- Required, not checked -->
            <given>$AssignedAuthor.Name$</given> <!-- Required, not checked -->
```

```

    </name>
  </assignedPerson>
  <representedOrganization> <!-- Required -->
    <root id = "2.16.840.1.113883.19.5" extension = "$Provider.Ou.PraesidiumCode$_$Provider.Ou.Code$"
assigningAuthorityName = "Georgia MoLHSA"/>
  </representedOrganization>
  </assignedAuthor>
</author>
<custodian>
  <assignedCustodian>
    <representedCustodianOrganization>
      <id root="2.16.840.1.113883.19.5"
extension="$Provider.Ou.PraesidiumCode$_$Provider.Ou.Code$"/> <!-- cEMR in case of a document generated by cEMR,
it has to be provided in case doc sent to HL7 getaway-->
      <name>$Provider.Ou.Description$</name> <!-- cEMR in case of a document
generated by wHospital-->
    </representedCustodianOrganization>
  </assignedCustodian>
</custodian>
<legalAuthenticator>
  <time value="$LegalAuthenticator.Date$"/>
  <signatureCode code="S"/> <!-- Document has to be digitally signed-->
  <assignedEntity>
    <id root="2.16.840.1.113883.19.5" extension="$AssignedAuthor.NNid$"/> <!-- Example OID
use the Minister Of Justice - Civil Register OID-->
    <assignedPerson>
      <name>
        <prefix>$AssignedAuthor.Prefix$</prefix> <!-- Optional, not checked -->
        <family>$AssignedAuthor.Surname$</family> <!-- Required, not checked -->
        <given>$AssignedAuthor.Name$</given> <!-- Required, not checked -->
      </name>
    </assignedPerson>
  <representedOrganization> <!-- Required -->
    <root id = "2.16.840.1.113883.19.5" extension = "$Provider.Ou.PraesidiumCode$_$Provider.Ou.Code$"
assigningAuthorityName = "Georgia MoLHSA"/>
  </representedOrganization>
  </assignedEntity>
</legalAuthenticator>
<relatedDocument typeCode="STD" extension="DELETE" wHpro="4">
  <!-- Node not present in case the first document is provided. Only RPLC doc is accepted. If extension is DELETE the docs
chain is stopped. -->
  <parentDocument>
    <root id = "2.16.840.1.113883.19.5" extension =
"$Provider.Ou.PraesidiumCode$_$Provider.Ou.Code$_$RelatedDocUniquelid$$RootId$" assigningAuthorityName =
"Georgia MoLSHA" Displayable = "true" />
    <!-- In case of document provided by HL7 extension is doc guid -->
    <versionNumber value="$VersionNumber$_$VersionNumberCode$"/>
    <!-- see for detaild DocSet3 and DocSet4 -->
  </parentDocument>
</relatedDocument>

<!--
*****

CDA Body
*****

-->
<component>
  <structuredBody>

<!--
*****

```


REASON FOR REFERRAL - Required

-->

```
<component>
  <section>
    <templateId root="2.16.840.1.113883.10.20.4.8"/>
    <code codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" code="42349-1"
      displayName="REASON FOR REFERRAL"/>
    <title>REASON FOR REFERRAL</title>
    <text>

  </text>
  </section>
</component>
```

<!--

History of Present Illness - Required

-->

```
<component>
  <section>
    <templateId root="1.3.6.1.4.1.19376.1.5.3.1.3.4"/>
    <code code="10164-2" codeSystem="2.16.840.1.113883.6.1"
      displayName="HISTORY OF PRESENT ILLNESS"/>
    <title>HISTORY OF PRESENT ILLNESS</title>
    <text>Human readable text</text>
  </section>
</component>
```

<!--

Physical Findings - Required

-->

```
<component>
  <section>
    <templateId root="2.16.840.1.113883.10.20.2.10"/>
    <code codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" code="29545-1"
      displayName="PHYSICAL FINDINGS"/>
    <title>PHYSICAL EXAMINATION</title>
    <component>
      <section>
        <templateId root="2.16.840.1.113883.10.20.4.4"/>
        <code codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
          code="8716-3" displayName="VITAL SIGNS"/>
        <title>VITAL SIGNS</title>
        <text>

      </section>
    </component>
    <component>
      <section>
        <templateId root="2.16.840.1.113883.10.20.2.5"/>
        <code codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
          code="10210-3" displayName="GENERAL STATUS"/>
        <title>GENERAL STATUS</title>
        <text>

      </section>
    </component>
  </section>
```

</component>

<!--

Assessment And Plan - Required

-->

<component>

<section>

<templateId root="2.16.840.1.113883.10.20.2.7"/>

<code codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" code="51847-2"

displayName="ASSESSMENT AND PLAN"/>

<title>ASSESSMENT AND PLAN</title>

<text>

</text>

</section>

</component>

<!--

Problems - Required

-->

<component>

<section>

<templateId root='2.16.840.1.113883.10.20.1.11'/>

<!-- Problem section template -->

<code code="11450-4" codeSystem="2.16.840.1.113883.6.1"/>

<title>Problems</title>

<text>

Human readable text

</text>

<entry typeCode="DRIV">

<!-- wHospital cForm has to retrieve this from sign infos details-->

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

<templateId root='2.16.840.1.113883.10.20.1.27'/>

<!-- Problem act template -->

<id root="Problem" extension="XDTT_ID_A_Problems_XDTT"/>

<!-- XDTT specific wHospital Tag-->

<code nullFlavor="NA"/>

<effectiveTime>

<low xsi:type="INT" value="[XDTT_Start_date_XDTT]"/>

<!-- Years wHtable-->

<high xsi:type="INT" value="[XDTT_End_date_XDTT]"/>

</effectiveTime>

<entryRelationship typeCode="REFR">

<!-- Has to be used also for generic problems no related to specific disease, can include also symptom-->

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

<id root="Problem_Comment" extension="XDTT_ID_A_Problems_XDTT"/>

<code code="55607006" codeSystem="2.16.840.1.113883.6.96" displayName="Problem"/>

<value xsi:type="ST">

[XDTT_Problem_XDTT]

</value>

</observation>

</entryRelationship>

<entryRelationship typeCode="SUBJ">

<!-- When it is related to a specific ICD10 diagnosis-->

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

<templateId root='2.16.840.1.113883.10.20.1.28'/>

<!-- Problem observation template -->

<code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4"/>

```

        <statusCode code="completed"/>
        <value xsi:type="CD" code="[XDTC_P_disease_group_XDTC]" codeSystem="2.16.840.1.113883.6.3"
displayName="[XDTT_P_disease_group_XDTT]"/>
        <!--IC10 code system-->
        <value xsi:type="CD" code="[XDTC_Disease_XDTC]" codeSystem="2.16.840.1.113883.6.3"
displayName="[XDTT_Disease_XDTT]"/>
        <!--IC10 code system-->
        <entryRelationship typeCode="REFR">
        <observation classCode="OBS" moodCode="EVN">
        <templateId root='2.16.840.1.113883.10.20.1.50'/>
        <!-- Problem status observation template -->
        <code code="33999-4" codeSystem="2.16.840.1.113883.6.1" displayName="Status"/>
        <statusCode code="completed"/>
        <value xsi:type="CE" code="[XDTC_Problem_Status_XDTC]" codeSystem="2.16.840.1.113883.6.96"
displayName="[XDTT_Problem_Status_XDTT]"/>
        <!--Use the value set 2.16.840.1.113883.1.11.20.13 ProblemStatusCode-->
        </observation>
        </entryRelationship>
        </observation>
        </entryRelationship>
    </act>
</entry>
</section>
</component>

```

```

<!--
*****

```

Procedures- Optional

```

*****

```

```

-->
<component>
<section>
<templateId root="2.16.840.1.113883.10.20.1.12"/>
<!-- Procedures section template -->
<code code="47519-4" codeSystem="2.16.840.1.113883.6.1"/>
<title>Procedures</title>
<text>Human readable text</text>
<entry typeCode="DRIV">
<procedure classCode="PROC" moodCode="EVN">
<templateId root="2.16.840.1.113883.10.20.1.29"/>
<!-- Procedure activity template -->
<id root="Procedures" extension="[XDTT_ID_A_Surgical_Procedure_XDTT]"/>
<code code="[XDTC_Body_System_XDTC]" codeSystem="NCSP" displayName="[XDTT_Body_System_XDTT]"/>
<!-- No OID for NOMESCO Classification of Surgical Procedures-->
<statusCode code="completed"/>
<!-- Use only completed status for CCD -->
<effectiveTime value="[XDTT_Year_XDTT][XDTT_Month_XDTT]"/>
<!-- For code refer to year and month table -->
<entryRelationship typeCode="REFR">
<observation classCode="OBS" moodCode="EVN">
<id root="Procedure_P_description" extension="[XDTT_ID_A_Surgical_Procedure_XDTT]"/>
<code code="34121-4" codeSystem="2.16.840.1.113883.6.1" displayName="Interventional procedure note"/>
<effectiveTime value="[XDTT_Date_XDTT]"/>
<text>
[XDTT_P_description_XDTT]
</text>
</observation>
</entryRelationship>
</procedure>
</entry>
</section>

```

</component>

<!--

History Of Past Illness - Optional

-->

<component>

<section>

<templateId root="2.16.840.1.113883.10.20.4.9"/>

<code codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" code="11348-0"
displayName="HISTORY OF PAST ILLNESS"/>

<title>PAST MEDICAL HISTORY</title>

<text>

</text>

</section>

</component>

<!--

HISTORY OF MEDICATION USE - Optional

-->

<component>

<section>

<templateId root="2.16.840.1.113883.10.20.1.8"/>

<!-- Medications section template -->

<code code="10160-0" codeSystem="2.16.840.1.113883.6.1"/>

<title>Medications</title>

<text>Human readable text</text>

<entry typeCode="DRIV">

<substanceAdministration classCode="SBADM" moodCode="EVN">

<!--Use EVN for reporting the actual medications. Use INT to report a prescription-->

<templateId root="2.16.840.1.113883.10.20.1.24"/>

<!-- Medication activity template -->

<id root="Medications" extension="XDTT_ID_A_Medication_XDTT"/>

<!-- XDTT specific wHospital Tag-->

<statusCode code="active"/>

<effectiveTime xsi:type="IVL_TS">

<low value="[XDTT_M_Start_Date_XDTT]"/>

<!-- ex 30/07/2013 has to be codified with 20130730-->

<high value="[XDTT_End_Date_XDTT]"/>

</effectiveTime>

<consumable>

<manufacturedProduct>

<templateId root="2.16.840.1.113883.10.20.1.53"/>

<!-- Product template -->

<manufacturedMaterial>

<code code="[XDTT_Medication_XDTC]" codeSystem="2.16.840.1.113883.6.88"

displayName="[XDTT_Medication_XDTT]"/>

<!--RxNorm use active ingredient#dose#productform ex amoxicillin 400mg/5mL-->

</manufacturedMaterial>

</manufacturedProduct>

</consumable>

<entryRelationship typeCode="REFR">

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

```

    <templateId root='2.16.840.1.113883.10.20.1.47'/>
    <!-- Medication status observation template -->
    <code code="33999-4" codeSystem="2.16.840.1.113883.6.1" displayName="Status"/>
    <statusCode code="completed"/>
    <value xsi:type="CE" code="[XDTC_Med_Status_XDTC]" codeSystem="2.16.840.1.113883.6.96"
displayName="[XDTT_Med_Status_XDTT]"/>
    <!--Use the value set 2.16.840.1.113883.1.11.20.7 MedicationStatusCode-->
  </observation>
</entryRelationship>
<entryRelationship typeCode="SUBJ">
  <observation classCode="ACT" moodCode="INT">
    <templateId root='2.16.840.1.113883.10.20.1.49'/>
    <!-- Patient instructions template -->
    <id root="Medication_Instructions" extension ="XDTT_ID_A_Medication_XDTT"/>
    <value xsi:type="ST">
      [XDTT_M_Instructions_XDTT]
    </value>
  </observation>
</entryRelationship>
</substanceAdministration>
</entry>
</section>
</component>

<!--
*****
Allergies - Required
*****
-->
<component>
  <section>
    <templateId root="2.16.840.1.113883.10.20.1.2"/>
    <!-- Alerts section template -->
    <code code="48765-2" codeSystem="2.16.840.1.113883.6.1"/>
    <title>Allergies, Adverse Reactions, Alerts</title>
    <text>Human readable text</text>
  <entry typeCode="DRIV">
    <act classCode="ACT" moodCode="EVN">
      <templateId root='2.16.840.1.113883.10.20.1.27'/>
      <!-- Problem act template -->
      <id root="Alert" extension ="XDTT_ID_A_Alerts_XDTT"/>
      <!--Specific wHospital tag-->
      <code nullFlavor="NA"/>
      <entryRelationship typeCode="SUBJ">
        <observation classCode="OBS" moodCode="EVN">
          <templateId root='2.16.840.1.113883.10.20.1.18'/>
          <!-- Alert observation template -->
          <id root="Alert_Type" extension ="XDTT_ID_A_Alerts_XDTT"/>
          <!--Specific wHospital tag-->
          <code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4"/>
          <statusCode code="completed"/>
          <value xsi:type="CD" code="[XDTC_Alert_type_XDTC]" codeSystem="2.16.840.1.113883.6.96"
displayName="[XDTT_Alert_type_XDTT]"/>
          <!-- Use AlertTypeCode ValueSet 2.16.840.1.113883.1.11.20.4 + 160244002 "no know allergies" -->
          <participant typeCode="CSM">
            <participantRole classCode="MANU">
              <playingEntity classCode="MMAT">
                <code code="[XDTC_Adverse_agent_XDTC]" codeSystem="2.16.840.1.113883.6.3"
displayName="[XDTT_Adverse_agent_XDTT]"/>
                <!-- ICD10 form T78.x + excluded item for Adverse reaction and for the Allergies use the Z88.x -->
                <entryRelationship typeCode="REFR">

```

```

        <observation classCode="OBS" moodCode="EVN">
        <id root="Alert_AgentDetails" extension="XDTT_ID_A_Alerts_XDTT"/>
        <!--Specific wHospital tag-->
        <code code="260872001" codeSystem="2.16.840.1.113883.6.96" displayName="Agent"/>
        <value xsi:type="ST">
        [XDTT_Notes_XDTT]
        </value>
        </observation>
    </entryRelationship>
    </playingEntity>
    </participantRole>
    </participant>
    </observation>
    [XDTX_Symptoms_XDTX]
    </entryRelationship>
</act>
</entry>
</section>
</component>

```

```

<!--
*****

```

Social History - Optional

```

*****
-->

```

```

<component>
<section>
    <templateId root="2.16.840.1.113883.10.20.1.15"/>
    <!-- Social history section template -->
    <code code="29762-2" codeSystem="2.16.840.1.113883.6.1"/>
    <title>Social History</title>
    <text>Human readable text</text>
    <entry typeCode="DRIV">
        <observation classCode="OBS" moodCode="EVN">
        <id root="SocialHistory_AgeGroup" extension="XDTT_A_Social_History_XDTT"/>
        <!--Specific wHospital tag-->
        <code code="105726004" codeSystem="2.16.840.1.113883.6.96" displayName="Age group"/>
        <statusCode code="completed"/>
        <value xsi:type="CE" code="[XDTC_Age_group_XDTC]" codeSystem="2.16.840.1.113883.6.96"
displayName="[XDTT_Age_group_XDTT]"/>
        <!--Use child concept from SNOMED - 105726004 -->
        </observation>
    </entry>
    <entry typeCode="DRIV">
        <observation classCode="OBS" moodCode="EVN">
        <id root="SocialHistory_MaritalStatus" extension="XDTT_A_Social_History_XDTT"/>
        <code code="365581002" codeSystem="2.16.840.1.113883.6.96" displayName="Marital status"/>
        <statusCode code="completed"/>
        <value xsi:type="CE" code="[XDTC_Marital_status_XDTC]" codeSystem="2.16.840.1.113883.6.96"
displayName="[XDTT_Marital_status_XDTT]"/>
        <!--Use child concepts of SNOMED 365581002-->
        </observation>
    </entry>
    <entry typeCode="DRIV">
        <observation classCode="OBS" moodCode="EVN">
        <id root="SocialHistory_Education" extension="XDTT_A_Social_History_XDTT"/>
        <code code="365460000" codeSystem="2.16.840.1.113883.6.96" displayName="Current level of education"/>
        <!--Use child concepts of SNOMED 365460000-->
        <statusCode code="completed"/>

```

```

    <value xsi:type="CE" code="[XDTC_Current_Education_XDTC]" codeSystem="2.16.840.1.113883.6.96"
displayName="[XDTT_Current_Education_XDTT]"/>
  </observation>
</entry>
<entry typeCode="DRIV">
  <observation classCode="OBS" moodCode="EVN">
    <id root="SocialHistory_Status" extension ="XDTT_A_Social_History_XDTT"/>
    <code code="108340002" codeSystem="2.16.840.1.113883.6.96" displayName="Social Status"/>
    <statusCode code="completed"/>
    <value xsi:type="CE" code="[XDTC_Social_Status_XDTC]" codeSystem="2.16.840.1.113883.6.96"
displayName="[XDTT_Social_Status_XDTT]"/>
    <!--Use child concepts of SNOMED 108340002-->
  </observation>
</entry>
<entry typeCode="DRIV">
  <observation classCode="OBS" moodCode="EVN">
    <id root="SocialHistory_ProfessionalStatus" extension ="XDTT_A_Social_History_XDTT"/>
    <code code="365525008" codeSystem="2.16.840.1.113883.6.96" displayName="Finding of employment status"/>
    <statusCode code="completed"/>
    <value xsi:type="CE" code="[XDTC_Occupation_status_XDTC]" codeSystem="2.16.840.1.113883.6.96"
displayName="[XDTT_Occupation_status_XDTT]"/>
    <!--Use child concepts of SNOMED 365525008-->
    <entryRelationship typeCode="REFR">
      <!-- if first value is NULL nothing is inserted-->
      <observation classCode="OBS" moodCode="EVN" wHPro="4">
        <id root="SocialHistory_Profession" extension ="XDTT_A_Social_History_XDTT"/>
        <value xsi:type="INT">
          [XDTC_Current_occupation_XDTC] <!-- for codification please refer to cEMR Labour Table-->
        </value>
      </observation>
    </entryRelationship>
    <entryRelationship typeCode="REFR" wHPro="4">
      <!-- if first value is NULL nothing is inserted-->
      <observation classCode="OBS" moodCode="EVN" wHPro="4">
        <id root="SocialHistory_PreviousProfession"/>
        <value xsi:type="INT">
          [XDTC_Last_occupation_XDTC] <!-- for codification please refer to cEMR Labour Table-->
        </value>
      </observation>
    </entryRelationship>
    <entryRelationship typeCode="REFR" wHPro="4">
      <observation classCode="OBS" moodCode="EVN">
        <id root="RetirementDuration"/>
        <value xsi:type="INT">
          [XDTC_Duration_of_pension_XDTC] <!--for codification please refer to cEMR RetirementDuration-->
        </value>
      </observation>
    </entryRelationship>
    <entryRelationship typeCode="REFR" wHPro="4">
      <observation classCode="OBS" moodCode="EVN">
        <id root="UnemploymentDuration"/>
        <value xsi:type="INT">
          <!--for codification please refer to cEMR UnmpoyentDuration-->
          [XDTC_Dur_Unemployment_XDTC]
        </value>
      </observation>
    </entryRelationship>
  </observation>
</entry>
[XDTC_Risk_Factor_XDTC] <!-- Name of field linked to the Child cForm, specific for wHospital-->
</section>

```

</component>

<!--

Family History - Optional

-->

<component>

<section>

<templateId root="2.16.840.1.113883.10.20.1.4"/>

<!-- Family history section template -->

<code code="10157-6" codeSystem="2.16.840.1.113883.6.1"/>

<title>Family history</title>

<text>Human readable text</text>

<entry typeCode="DRIV">

<!-- wHospital cForm has to retrieve this from sign infos details-->

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

<templateId root="2.16.840.1.113883.10.20.1.23"/>

<!-- Family history organizer template -->

<statusCode code="completed"/>

<subject>

<relatedSubject classCode="PRS">

<code code="[XDTC_Family_members_XDTC]" codeSystem="2.16.840.1.113883.5.111"

displayName="[XDTT_Family_members_XDTT]"/>

<!--HL7 Role Code FAMMEMB-->

<subject>

<birthTime value="[XDTT_FamilyMemberBirthDate_XDTT]"/>

</subject>

</relatedSubject>

</subject>

<component>

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

<templateId root="2.16.840.1.113883.10.20.1.42"/>

<!-- Family history cause of death observation template -->

<id root="FamilyHistory" extension="XDTT_ID_A_Family_History_XDTT"/>

<!-- XDTT specific wHospital Tag-->

<code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4"/>

<statusCode code="completed"/>

<value xsi:type="CD" code="[XDTC_Situation_Death_XDTC]" codeSystem="2.16.840.1.113883.6.3"

displayName="[XDTT_Situation_Death_XDTT]"/>

<!--Situation of death ICD10 chapter 20-->

<entryRelationship typeCode="CAUS">

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

<id root="FamilyHistory_Death" extension="XDTT_ID_A_Family_History_XDTT"/>

<code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4"/>

<statusCode code="completed"/>

<value xsi:type="CD" code="419099009" codeSystem="2.16.840.1.113883.6.96" displayName="Dead"/>

</observation>

</entryRelationship>

<entryRelationship typeCode="REFR">

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

<id root="FamilyHistory_CauseOfDeath_Plaintext" extension="XDTT_ID_A_Family_History_XDTT"/>

<!--Use of SNOMED for cause of death concept, just text value-->

<code code="184305005" codeSystem="2.16.840.1.113883.6.96" displayName="CauseOfDeath"/>

<value xsi:type="ST">[XDTT_F_Cause_of_death_XDTT]</value>

</observation>

</entryRelationship>

<entryRelationship typeCode="SUBJ" inversionInd="true">

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

<templateId root="2.16.840.1.113883.10.20.1.38"/>


```

        <!-- Age observation template -->
        <code code="397659008" codeSystem="2.16.840.1.113883.6.96" displayName="Age"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTT_F_Age_At_Onset_XDTT]"/>
    </observation>
</entryRelationship>
</observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <id root="FamilyHistory_HealthStatus" extension="XDTT_ID_A_Family_History_XDTT"/>
        <!-- XDTT specific wHospital Tag-->
        <code code="406221003" codeSystem="2.16.840.1.113883.6.96" displayName="Health Status"/>
        <value xsi:type="CD" code="[XDTC_Family_Health_Status_XDTC]" codeSystem="2.16.840.1.113883.6.96"
displayName="[XDTT_Family_Health_Status_XDTT]"/>
        <!-- value set 2.16.840.1.113883.1.11.20.12 - ProblemHealthStatusCode -->
        <text>
            [XDTT_Note_Health_XDTT]
        </text>
    </observation>
</component>
    [XDTX_Family_diagnosis_XDTX] <!-- Name of field linked to the Child cForm, specific for wHospital-->
</organizer>
</entry>
</section>
</component>

```

```

<!--
*****

```

Review of Systems - Optional

```

*****
-->

```

```

<component>
    <section>
        <templateId root="2.16.840.1.113883.10.20.4.10"/>
        <code code="10187-3" codeSystem="2.16.840.1.113883.6.1"
            displayName="REVIEW OF SYSTEMS"/>
        <title>Review of Systems</title>
        <text>Human readable text</text>
    </section>
</component>

```

```

<!--
*****

```

Relevant Diagnostic Tests - Optional

```

*****
-->

```

```

<component>
    <section>
        <templateId root="2.16.840.1.113883.10.20.1.14"/>
        <code codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" code="30954-2"
            displayName="RELEVANT DIAGNOSTIC TESTS AND/OR LABORATORY DATA"/>
        <title>Diagnostic Findings</title>
        <text>
        </text>
    </section>
</component>

```

```

<!--
*****

```

Encounter - Optional

-->

<component>

<section>

<templateId root="2.16.840.1.113883.3.88.11.83.127"/>

<code code="46240-8" codeSystem="2.16.840.1.113883.6.1"/>

<title>History of encounters</title>

<text>Human readable text</text>

<entry typeCode="DRIV">

<encounter classCode="ENC" moodCode="EVN">

<templateId root="2.16.840.1.113883.10.20.1.21"/>

<!-- Encounter activity template -->

<id root="Encounters" extension="[XDTT_Case_Number_XDTT]"/> <!-- Unique identifier numeber -->

<effectiveTime>

<min value= "[XDTT_Encounter_Date_XDTT]"/>

<high value= "[XDTT_End_date_XDTT]"/>

</effectiveTime><!--Date of the encounter-->

<code code="[XDTC_Location_XDTC]" codeSystem="2.16.840.1.113883.5.4" displayName="[XDTT_Location_XDTT]"/>

<performer>

<name>[XDTT_Doctor_XDTT]</name>

</performer>

<participant typeCode="LOC" wHpro="4">

<templateId root="2.16.840.1.113883.10.20.1.45"/>

<!-- Location participation template -->

<participantRole classCode="SDLOC">

<id root="2.16.840.1.113883.19.5"/>

<playingEntity classCode="PLC">

<providerOrganization >

<id root="2.16.840.1.113883.19.5" extension = "[XDTC_HospitalName_XDTC]"/>

<!-- Example OID Need to Use Georgian central EMR-->

<name>[XDTT_Hospital_XDTT]</name>

</providerOrganization>

</playingEntity>

</participantRole>

</participant>

<entryRelationship typeCode="RSON">

<!-- Indication for the encounters activity-->

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

<id root="Encounters_InteractionType" extension = "XDTT_IDD_DTname_XDTT"/>

<code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4"/>

<statusCode code="completed"/>

<value xsi:type="ST">

[XDTT_E_Interact_type_XDTT] <!-- Specific interaction type for a encounter, refer to interaction type table-->

</value>

<!--IC10 code system-->

</observation>

</entryRelationship>

[XDTX_Encounter_Activity_XDTX] <!-- Child modules to describe one or more reason for the visit-->

</encounter>

</entry>

</section>

</component>

</structuredBody>

</component>

</ClinicalDocument>

10 დანართი 3

შაბლონი კლინიკური მონაცემების გადასაცემად (სტაციონარი)

```
<?xml version="1.0"?>
<!--<?xml-stylesheet type="text/xsl" href="CDASchemas\cda\Schemas\CCD.xml"?-->
<!-- Georgia Central Medical Record system CDA2 header example template -->
<ClinicalDocument xmlns="urn:hl7-org:v3" xmlns:voc="urn:hl7-org:v3/voc"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:hl7-org:v3 CDA.xsd">
  <!--
*****
CDA Header
*****
-->
  <typeId root="2.16.840.1.113883.1.3" extension="POCD_HD000040"/>
  <templateId root="2.16.840.1.113883.10.20.1"/> <!-- CCD v1.0 Templates Root -->
  <id root="$Provider.Ou.PraesidiumCode$_$Provider.Ou.Code$_$DocUniquelId$"/>
  <code code="18842-5" codeSystem="2.16.840.1.113883.6.1" displayName="Inpatient discharge summary"/>
  <title>Georgia cEMR Inpatient discharge summary</title>
  <effectiveTime value="$EffectiveTime$"/> <!-- ex effective time format YYYYMMDDHHMMSS-0500 -->
  <confidentialityCode code="N" codeSystem="2.16.840.1.113883.5.25"/> <!-- For any value different form
Normal (N) also the attached DAO is required-->
  <languageCode code="en-US"/> <!-- use "kat" for Georgian language from ISO-639-1 -->
  <recordTarget>
    <patientRole>
      <id root="2.16.840.1.113883.19.5" extension="$Pat.NNId$"/> <!-- Example OID use the
Minister Of Justice - Civil Register OID-->
      <patient> <!-- Required -->
        <name>
          <given>$Pat.Name$</given>
          <family>$Pat.FamilyName$</family>
        </name>
        <birthTime value="$Pat.Birthdate$"/> <!-- YYYYMMDD -->
        <administrativeGenderCode code="$Pat.Gender$" codeSystem="2.16.840.1.113883.5.1"/> <!-- H7 gender code
http://hl7.org/implement/standards/fhir/v3/AdministrativeGender/index.htm -->
        <addr> <!-- Optional, not update on application DB-->
          <streetAddressLine>$descIndirizzoRecapitoPaziente_H$</streetAddressLine> <!-- Plain text not formatted -->
          <city>$descComuneRecapitoPaziente_H$</city> <!-- Plain text not formatted -->
          <state>$codProvinciaRecapitoPaziente_H$</state> <!-- Plain text not formatted -->
          <postalCode>$codCAPRecapitoPaziente_H$</postalCode> <!-- Plain text not formatted -->
          <country>Georgia</country> <!-- Plain text not formatted -->
        </addr>
        <telecom value="$Telephone$" use="HP"/> <!-- Optional -->
      </patient>
      <providerOrganization>
        <id root="2.16.840.1.113883.19.5" extension
="$HospitalCode$_$OperationalUnitCode$"/> <!-- Example OID use the MOLSHA OID-->
        <name>$Provider.Ou.PraesidiumDescription$
$Provider.Ou.SubPraesidium.Description$ $Provider.Ou.Description$</name>
        </providerOrganization>
      </patientRole>
    </recordTarget>
    <author> <!-- Required -->
      <time value="$AssignedAuthor.Date$"/> <!-- Required ex effective time format YYYYMMDDHHMMSS-0500 -->
      <assignedAuthor classCode="ASSIGNED"> <!-- Required -->
        <root id = "2.16.840.1.113883.19.5" extension = "$AssignedAuthor.NNId$" Displayable = "true"
assigningAuthorityName = "Georgia MOJ - Civil Register" /> <!-- Required -->
        <assignedPerson>
          <name>
            <prefix>$AssignedAuthor.Prefix$</prefix> <!-- Optional, not checked -->
```

```

        <family>${AssignedAuthor.Surname}</family> <!-- Required, not checked -->
        <given>${AssignedAuthor.Name}</given> <!-- Required, not checked -->
    </name>
</assignedPerson>
<representedOrganization> <!-- Required -->
    <root id = "2.16.840.1.113883.19.5" extension = "${Provider.Ou.PraesidiumCode}_${Provider.Ou.Code}"
assigningAuthorityName = "Georgia MoLHSA"/>
    </representedOrganization>
</assignedAuthor>
</author>
<custodian>
    <assignedCustodian>
        <representedCustodianOrganization>
            <id root="2.16.840.1.113883.19.5"
extension="${Provider.Ou.PraesidiumCode}_${Provider.Ou.Code}"/> <!-- cEMR in case of a document generated by cEMR,
it has to be provided in case doc sent to HL7 getaway-->
            <name>${Provider.Ou.Description}</name> <!-- cEMR in case of a document
generated by wHospital-->
        </representedCustodianOrganization>
    </assignedCustodian>
</custodian>
<legalAuthenticator>
    <time value="${LegalAuthenticator.Date}"/>
    <signatureCode code="S"/> <!-- Document has to be digitally signed-->
    <assignedEntity>
        <id root="2.16.840.1.113883.19.5" extension="${AssignedAuthor.NNid}"/> <!-- Example OID
use the Minister Of Justice - Civil Register OID-->
        <assignedPerson>
            <name>
                <prefix>${AssignedAuthor.Prefix}</prefix> <!-- Optional, not checked -->
                <family>${AssignedAuthor.Surname}</family> <!-- Required, not checked -->
                <given>${AssignedAuthor.Name}</given> <!-- Required, not checked -->
            </name>
        </assignedPerson>
    </representedOrganization> <!-- Required -->
    <root id = "2.16.840.1.113883.19.5" extension = "${Provider.Ou.PraesidiumCode}_${Provider.Ou.Code}"
assigningAuthorityName = "Georgia MoLHSA"/>
    </representedOrganization>
    </assignedEntity>
</legalAuthenticator>
<relatedDocument typeCode="STD" extension="DELETE" wHpro="4">
    <!-- Node not present in case the first document is provided. Only RPLC doc is accepted. If extension is DELETE the docs
chain is stopped. -->
    <parentDocument>
        <root id = "2.16.840.1.113883.19.5" extension =
"${Provider.Ou.PraesidiumCode}_${Provider.Ou.Code}_${RelatedDocUniqued}${RootId}" assigningAuthorityName =
"Georgia MoLHSA" Displayable = "true" />
        <!-- In case of document provided by HL7 extension is doc guid -->
        <versionNumber value="${VersionNumber}_${VersionNumberCode}"/>
        <!-- see for detaild DocSet3 and DocSet4 -->
    </parentDocument>
</relatedDocument>

<!--
*****

CDA Body
*****

-->
<component>
    <structuredBody>

```

```

<!--
*****

Allergies - Required
*****

-->
<component>
  <section>
    <templateId root="2.16.840.1.113883.10.20.1.2"/>
    <!-- Alerts section template -->
    <code code="48765-2" codeSystem="2.16.840.1.113883.6.1"/>
    <title>Allergies, Adverse Reactions, Alerts</title>
    <text>Human readable text</text>
  <entry typeCode="DRIV">
    <act classCode="ACT" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.1.27"/>
      <!-- Problem act template -->
      <id root="Alert" extension="XDTT_ID_A_Alerts_XDTT"/>
      <!--Specific wHospital tag-->
      <code nullFlavor="NA"/>
      <entryRelationship typeCode="SUBJ">
        <observation classCode="OBS" moodCode="EVN">
          <templateId root="2.16.840.1.113883.10.20.1.18"/>
          <!-- Alert observation template -->
          <id root="Alert_Type" extension="XDTT_ID_A_Alerts_XDTT"/>
          <!--Specific wHospital tag-->
          <code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4"/>
          <statusCode code="completed"/>
          <value xsi:type="CD" code="[XDTC_Alert_type_XDTC]" codeSystem="2.16.840.1.113883.6.96"
displayName="[XDTC_Alert_type_XDTC]"/>
          <!-- Use AlertTypeCode ValueSet 2.16.840.1.113883.1.11.20.4 + 160244002 "no know allergies" -->
          <participant typeCode="CSM">
            <participantRole classCode="MANU">
              <playingEntity classCode="MMAT">
                <code code="[XDTC_Adverse_agent_XDTC]" codeSystem="2.16.840.1.113883.6.3"
displayName="[XDTC_Adverse_agent_XDTC]"/>
                <!-- ICD10 form T78.x + excluded item for Adverse reaction and for the Allergies use the Z88.x -->
                <entryRelationship typeCode="REFR">
                  <observation classCode="OBS" moodCode="EVN">
                    <id root="Alert_AgentDetails" extension="XDTT_ID_A_Alerts_XDTT"/>
                    <!--Specific wHospital tag-->
                    <code code="260872001" codeSystem="2.16.840.1.113883.6.96" displayName="Agent"/>
                    <value xsi:type="ST">
                      [XDTT_Notes_XDTT]
                    </value>
                  </observation>
                </entryRelationship>
              </playingEntity>
            </participantRole>
          </participant>
        </observation>
        [XDTX_Symptoms_XDTC]
      </entryRelationship>
    </act>
  </entry>
</section>
</component>

<!--
*****

Hospital Course - Required
*****

```

```

-->
<component>
  <section>
    <templateId root="1.3.6.1.4.1.19376.1.5.3.1.3.5"/>
    <code code="8648-8" displayName="HOSPITAL COURSE"
          codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"/>
    <title>Hospital Course</title>
    <text>Human readable text</text>
  </section>
</component>
<!--
*****
Hospital Discharge Diagnosis - Required
*****
-->

<component>
  <section>
    <templateId root="2.16.840.1.113883.10.20.16.2.1"/>
    <id extension="9937012" root="2.16.840.1.113883.19"/>
    <code code="11535-2" displayName="HOSPITAL DISCHARGE DX"
          codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"/>
    <text>Human readable text</text>
  <entry typeCode="DRIV">
    <!-- wHospital cForm has to retrieve this from sign infos details-->
    <act classCode="ACT" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.1.27"/>
      <!-- Problem act template -->
      <id root="Problem" extension="XDTT_ID_A_Problems_XDTT"/>
      <!-- XDTT specific wHospital Tag-->
      <code nullFlavor="NA"/>
      <effectiveTime>
        <low xsi:type="INT" value="[XDTT_Start_date_XDTT]"/>
        <!-- Years wHtable-->
        <high xsi:type="INT" value="[XDTT_End_date_XDTT]"/>
      </effectiveTime>
      <entryRelationship typeCode="REFR">
        <!-- Has to be used also for generic problems no related to specific disease, can include also symptom-->
        <observation classCode="OBS" moodCode="EVN">
          <id root="Problem_Comment" extension="XDTT_ID_A_Problems_XDTT"/>
          <code code="55607006" codeSystem="2.16.840.1.113883.6.96" displayName="Problem"/>
          <value xsi:type="ST">
            [XDTT_Problem_XDTT]
          </value>
        </observation>
      </entryRelationship>
      <entryRelationship typeCode="SUBJ">
        <!-- When it is related to a specific ICD10 diagnosis-->
        <observation classCode="OBS" moodCode="EVN">
          <templateId root="2.16.840.1.113883.10.20.1.28"/>
          <!-- Problem observation template -->
          <code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4"/>
          <statusCode code="completed"/>
          <value xsi:type="CD" code="[XDTC_P_disease_group_XDTC]" codeSystem="2.16.840.1.113883.6.3"
                displayName="[XDTT_P_disease_group_XDTT]"/>
          <!--IC10 code system-->
          <value xsi:type="CD" code="[XDTC_Disease_XDTC]" codeSystem="2.16.840.1.113883.6.3"
                displayName="[XDTT_Disease_XDTT]"/>
          <!--IC10 code system-->
          <entryRelationship typeCode="REFR">
            <observation classCode="OBS" moodCode="EVN">

```

```

        <templateId root='2.16.840.1.113883.10.20.1.50' />
        <!-- Problem status observation template -->
        <code code="33999-4" codeSystem="2.16.840.1.113883.6.1" displayName="Status" />
        <statusCode code="completed" />
        <value xsi:type="CE" code="[XDTC_Problem_Status_XDTC]" codeSystem="2.16.840.1.113883.6.96"
displayName="[XDTT_Problem_Status_XDTT]" />
        <!--Use the value set 2.16.840.1.113883.1.11.20.13 ProblemStatusCode-->
    </observation>
</entryRelationship>
</observation>
</entryRelationship>
</act>
</entry>

```

```

    </section>
</component>

```

```

<!--
*****

```

```

Hospital Discharge Medications - Required
*****

```

```

-->
<component>
    <section>
        <templateId root="2.16.840.1.113883.10.20.1.8" />
        <!-- Medications section template -->
        <code code="10160-0" codeSystem="2.16.840.1.113883.6.1" />
        <title>Medications</title>
        <text>Human readable text</text>
    <entry typeCode="DRIV">
        <substanceAdministration classCode="SBADM" moodCode="EVN">
            <!--Use EVN for reporting the actual medications. Use INT to report a prescription-->
            <templateId root="2.16.840.1.113883.10.20.1.24" />
            <!-- Medication activity template -->
            <id root="Medications" extension ="XDTT_ID_A_Medication_XDTT" />
            <!-- XDTT specific wHospital Tag-->
            <statusCode code="active" />
            <effectiveTime xsi:type="IVL_TS">
                <low value="[XDTT_M_Start_Date_XDTT]" />
                <!-- ex 30/07/2013 has to be codified with 20130730-->
                <high value="[XDTT_End_Date_XDTT]" />
            </effectiveTime>
            <consumable>
                <manufacturedProduct>
                    <templateId root="2.16.840.1.113883.10.20.1.53" />
                    <!-- Product template -->
                    <manufacturedMaterial>
                        <code code="[XDTC_Medication_XDTC]" codeSystem="2.16.840.1.113883.6.88"
displayName="[XDTT_Medication_XDTT]" />
                        <!--RxNorm use active ingredient#dose#productform ex amoxicillin 400mg/5mL-->
                    </manufacturedMaterial>
                </manufacturedProduct>
            </consumable>
            <entryRelationship typeCode="REFR">
                <observation classCode="OBS" moodCode="EVN">
                    <templateId root='2.16.840.1.113883.10.20.1.47' />
                    <!-- Medication status observation template -->
                    <code code="33999-4" codeSystem="2.16.840.1.113883.6.1" displayName="Status" />
                    <statusCode code="completed" />
                    <value xsi:type="CE" code="[XDTC_Med_Status_XDTC]" codeSystem="2.16.840.1.113883.6.96"
displayName="[XDTT_Med_Status_XDTT]" />
                </entryRelationship>
            </observation>
        </substanceAdministration>
    </entry>

```

```

    <!--Use the value set 2.16.840.1.113883.1.11.20.7 MedicationStatusCode-->
  </observation>
</entryRelationship>
<entryRelationship typeCode="SUBJ">
  <observation classCode="ACT" moodCode="INT">
    <templateId root='2.16.840.1.113883.10.20.1.49' />
    <!-- Patient instructions template -->
    <id root="Medication_Instructions" extension ="XDTT_ID_A_Medication_XDTT"/>
    <value xsi:type="ST">
      [XDTT_M_Instructions_XDTT]
    </value>
  </observation>
</entryRelationship>
</substanceAdministration>
</entry>
</section>
</component>

```

<!--

Plan of Care - Required

-->

```

<component>
  <section>
    <templateId root="2.16.840.1.113883.10.20.1.10"/>
    <!-- Plan of Care section template -->
    <code code="18776-5" codeSystem="2.16.840.1.113883.6.1"/>
    <title>Plan</title>
    <text>Human readable text</text>
  <entry typeCode="DRIV">
    <observation classCode="[XDTC_Activity_type_XDTC]" moodCode="RQO">
      <!--Only request mood code are managed-->
      <templateId root="2.16.840.1.113883.10.20.1.25"/>
      <!-- Plan of Activity activity template -->
      <id root="PlanOfCare" extension ="[XDTT_ID_A_Care_Plan_XDTT]"/>
      <value xsi:type="ST">
        [XDTT_Planned_Act_XDTT]
      </value>
      <statusCode code="[XDTC_PCO_Status_XDTC]"/>
      <effectiveTime>
        <center value="[XDTT_Activity_Date_XDTT]"/>
      </effectiveTime>
      <entryRelationship typeCode="REFR">
        <!-- Has to be used also for generic problems no related to specific disease, can include also symptom-->
        <observation classCode="OBS" moodCode="EVN">
          <id root="Problem_Comment" extension ="[XDTT_ID_A_Care_Plan_XDTT]"/>
          <code code="55607006" codeSystem="2.16.840.1.113883.6.96" displayName="Problem"/>
          <value xsi:type="ST">
            [XDTT_Related_problem_XDTT]
          </value>
        </observation>
      </entryRelationship>
    </observation>
  </entry>
</section>
</component>

```

<!--

Family History - Optional

-->

```
<component>
  <section>
    <templateId root="2.16.840.1.113883.10.20.1.4"/>
    <!-- Family history section template -->
    <code code="10157-6" codeSystem="2.16.840.1.113883.6.1"/>
    <title>Family history</title>
    <text>Human readable text</text>
  <entry typeCode="DRIV">
    <!-- wHospital cForm has to retrieve this from sign infos details-->
    <organizer moodCode="EVN" classCode="CLUSTER">
      <templateId root="2.16.840.1.113883.10.20.1.23"/>
      <!-- Family history organizer template -->
      <statusCode code="completed"/>
      <subject>
        <relatedSubject classCode="PRS">
          <code code="[XDTC_Family_members_XDTC]" codeSystem="2.16.840.1.113883.5.111"
displayName="[XDTT_Family_members_XDTT]"/>
          <!--HL7 Role Code FAMMEMB-->
          <subject>
            <birthTime value="[XDTT_FamilyMemberBirthDate_XDTT]"/>
          </subject>
        </relatedSubject>
      </subject>
    </component>
    <observation classCode="OBS" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.1.42"/>
      <!-- Family history cause of death observation template -->
      <id root="FamilyHistory" extension="XDTT_ID_A_Family_History_XDTT"/>
      <!-- XDTT specific wHospital Tag-->
      <code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4"/>
      <statusCode code="completed"/>
      <value xsi:type="CD" code="[XDTC_Situation_Death_XDTC]" codeSystem="2.16.840.1.113883.6.3"
displayName="[XDTT_Situation_Death_XDTT]"/>
      <!--Situation of death ICD10 chapter 20-->
      <entryRelationship typeCode="CAUS">
        <observation classCode="OBS" moodCode="EVN">
          <id root="FamilyHistory_Death" extension="XDTT_ID_A_Family_History_XDTT"/>
          <code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4"/>
          <statusCode code="completed"/>
          <value xsi:type="CD" code="419099009" codeSystem="2.16.840.1.113883.6.96" displayName="Dead"/>
        </observation>
      </entryRelationship>
      <entryRelationship typeCode="REFR">
        <observation classCode="OBS" moodCode="EVN">
          <id root="FamilyHistory_CauseOfDeath_Plaintext" extension="XDTT_ID_A_Family_History_XDTT"/>
          <!--Use of SNOMED for cause of death concept, just text value-->
          <code code="184305005" codeSystem="2.16.840.1.113883.6.96" displayName="CauseOfDeath"/>
          <value xsi:type="ST">[XDTT_F_Cause_of_death_XDTT]</value>
        </observation>
      </entryRelationship>
      <entryRelationship typeCode="SUBJ" inversionInd="true">
        <observation classCode="OBS" moodCode="EVN">
          <templateId root="2.16.840.1.113883.10.20.1.38"/>
          <!-- Age observation template -->
          <code code="397659008" codeSystem="2.16.840.1.113883.6.96" displayName="Age"/>
          <statusCode code="completed"/>
          <value xsi:type="INT" value="[XDTT_F_Age_At_Onset_XDTT]"/>
        </observation>
      </entryRelationship>
    </component>
  </entry>
</component>
```

```

    </observation>
  </component>
<component>
  <observation classCode="OBS" moodCode="EVN">
    <id root="FamilyHistory_HealthStatus" extension ="XDTT_ID_A_Family_History_XDTT"/>
    <!-- XDTT specific wHospital Tag-->
    <code code="406221003" codeSystem="2.16.840.1.113883.6.96" displayName="Health Status"/>
    <value xsi:type="CD" code="[XDTC_Family_Health_Status_XDTC]" codeSystem="2.16.840.1.113883.6.96"
displayName="[XDTT_Family_Health_Status_XDTT]"/>
    <!-- value set 2.16.840.1.113883.1.11.20.12 - ProblemHealthStatusCode -->
    <text>
      [XDTT_Note_Health_XDTT]
    </text>
  </observation>
</component>
[XDTX_Family_diagnosis_XDTX] <!-- Name of field linked to the Child cForm, specific for wHospital-->
</organizer>
</entry>
</section>
</component>

<!--
*****
Functional Status - Optional
*****
-->
<component>
  <section>
    <templateId root='2.16.840.1.113883.10.20.1.5'/>
    <!-- Functional status section template -->
    <code code="47420-5" codeSystem="2.16.840.1.113883.6.1"/>
    <title>Functional Status</title>
    <text>Human readable text</text>
  </section>
</component>
<structuredBody>
  <component>
    <section>
      <templateId root='2.16.840.1.113883.10.20.1.5'/>
      <!-- Functional status section template -->
      <code code="47420-5" codeSystem="2.16.840.1.113883.6.1"/>
      <title>Functional Status</title>
      <text>
        [XDTHtmlItSelf]
      </text>
      <entry typeCode="DRIV">
        <organizer classCode="BATTERY" moodCode="EVN">
          <templateId root="2.16.840.1.113883.10.20.1.32"/> <!--Use only results from ICF assestment test battery-->
          <!-- Result organizer template -->
          <id root="FunctionalStatus" extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
          <code code="ICF_CheckList_V2.1a" codeSystem="2.16.840.1.113883.6.254" displayName="International
Classification Functioning, Disability and Health Check List"/>
          <statusCode code="completed"/>
          <component>
            <observation classCode="OBS" moodCode="EVN">
              <templateId root="2.16.840.1.113883.10.20.1.31"/>
              <!-- Result observation template -->
              <id root="FunctionalStatus_Consciouness" extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
              <code code="b110" codeSystem="2.16.840.1.113883.6.254" displayName="Consciouness"/>
              <statusCode code="completed"/>
              <value xsi:type="INT" value="[XDTC_Consciouness_XDTC]"/>
            </observation>
          </component>
        </organizer>
      </entry>
    </section>
  </component>
</structuredBody>
</component>

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<component>
  <observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.1.31"/>
    <!-- Result observation template -->
    <id root="FunctionalStatus_Orientation (time, place, person)" extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
    <code code="b114" codeSystem="2.16.840.1.113883.6.254" displayName="Orientation (time, place,
person)"/>
    <statusCode code="completed"/>
    <value xsi:type="INT" value="[XDTC_Orientation_XDTC]"/>
  </observation>
</component>
<component>
  <observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.1.31"/>
    <!-- Result observation template -->
    <id root="FunctionalStatus_Intellectual (incl. Retardation, dementia) " extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
    <code code="b117" codeSystem="2.16.840.1.113883.6.254" displayName="Intellectual (incl. Retardation,
dementia)"/>
    <statusCode code="completed"/>
    <value xsi:type="INT" value="[XDTC_Intellectual_XDTC]"/>
  </observation>
</component>
<component>
  <observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.1.31"/>
    <!-- Result observation template -->
    <id root="FunctionalStatus_Energy and drive functions " extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
    <code code="b130" codeSystem="2.16.840.1.113883.6.254" displayName="Energy and drive functions "/>
    <statusCode code="completed"/>
    <value xsi:type="INT" value="[XDTC_Energy_and_drive_XDTC]"/>
  </observation>
</component>
<component>
  <observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.1.31"/>
    <!-- Result observation template -->
    <id root="FunctionalStatus_Sleep" extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
    <code code="b134" codeSystem="2.16.840.1.113883.6.254" displayName="Sleep"/>
    <statusCode code="completed"/>
    <value xsi:type="INT" value="[XDTC_Sleep_XDTC]"/>
  </observation>
</component>
<component>
  <observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.1.31"/>
    <!-- Result observation template -->
    <id root="FunctionalStatus_Attention" extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
    <code code="b140" codeSystem="2.16.840.1.113883.6.254" displayName="Attention"/>
    <statusCode code="completed"/>
    <value xsi:type="INT" value="[XDTC_Attention_XDTC]"/>
  </observation>
</component>
<component>
  <observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.1.31"/>
    <!-- Result observation template -->
    <id root="FunctionalStatus_Memory" extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
    <code code="b144" codeSystem="2.16.840.1.113883.6.254" displayName="Memory"/>
    <statusCode code="completed"/>

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        <value xsi:type="INT" value="[XDTC_Memory_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Emotional functions " extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="b152" codeSystem="2.16.840.1.113883.6.254" displayName="Emotional functions"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Emotional_Functions_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Perceptual functions" extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="b156" codeSystem="2.16.840.1.113883.6.254" displayName="Perceptual functions"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Perceptual_functions_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Higher level cognitive functions " extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="b164" codeSystem="2.16.840.1.113883.6.254" displayName="Higher level cognitive functions"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Cognitive_functions_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Language" extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="b167" codeSystem="2.16.840.1.113883.6.254" displayName="Language"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Language_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Seeing" extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="b210" codeSystem="2.16.840.1.113883.6.254" displayName="Seeing"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Seeing_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Hearing" extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="b230" codeSystem="2.16.840.1.113883.6.254" displayName="Hearing"/>
        <statusCode code="completed"/>

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        <value xsi:type="INT" value="[XDTC_Hearing_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Vestibular (incl. Balance functions)" extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="b235" codeSystem="2.16.840.1.113883.6.254" displayName="Vestibular (incl. Balance
functions)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Vestibular_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Pain" extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="b280" codeSystem="2.16.840.1.113883.6.254" displayName="Pain"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Pain_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Voice" extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="b310" codeSystem="2.16.840.1.113883.6.254" displayName="Voice"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Voice_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Heart" extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="b410" codeSystem="2.16.840.1.113883.6.254" displayName="Heart"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Heart_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Blood pressure" extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="b420" codeSystem="2.16.840.1.113883.6.254" displayName="Blood pressure"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Blood_pressure_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Haematological (blood)" extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="b430" codeSystem="2.16.840.1.113883.6.254" displayName="Haematological (blood)"/>

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        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Haematological_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Immunological (allergies, hypersensitivity)" extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="b435" codeSystem="2.16.840.1.113883.6.254" displayName="Immunological (allergies,
hypersensitivity)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Immunological_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Respiration (breathing)" extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="b440" codeSystem="2.16.840.1.113883.6.254" displayName="Respiration (breathing)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Respiration_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Digestive" extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="b515" codeSystem="2.16.840.1.113883.6.254" displayName="Digestive"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Digestive_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Defecation" extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="b525" codeSystem="2.16.840.1.113883.6.254" displayName="Defecation"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Defecation_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Weight maintenance" extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="b530" codeSystem="2.16.840.1.113883.6.254" displayName="Weight maintenance"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Weight_maintenance_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->

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        <id root="FunctionalStatus_Endocrine glands (hormonal changes) " extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="b555" codeSystem="2.16.840.1.113883.6.254" displayName="Endocrine glands (hormonal
changes)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Endocrine_glands_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Urination functions" extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="b620" codeSystem="2.16.840.1.113883.6.254" displayName="Urination functions"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Urination_functions_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Sexual functions" extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="b640" codeSystem="2.16.840.1.113883.6.254" displayName="Sexual functions"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Sexual_functions_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Mobility of joint" extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="b710" codeSystem="2.16.840.1.113883.6.254" displayName="Mobility of joint"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Mobility_of_joint_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Muscle power" extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="b730" codeSystem="2.16.840.1.113883.6.254" displayName="Muscle power"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Muscle_power_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Muscle tone" extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="b735" codeSystem="2.16.840.1.113883.6.254" displayName="Muscle tone"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_MMuscle_joint_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>

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        <!-- Result observation template -->
        <id root="FunctionalStatus_Involuntary movements" extension="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="b765" codeSystem="2.16.840.1.113883.6.254" displayName="Involuntary movements"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Involuntary_move_XDTC]"/>
    </observation>
</component>

<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Brain" extension="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="s110e" codeSystem="2.16.840.1.113883.6.254" displayName="Brain"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Brain_XDTC]"/>
    </observation>
</component>

<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Nature of the change" extension="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="s110n" codeSystem="2.16.840.1.113883.6.254" displayName="Nature of the change"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Nature_Brain_XDTC]"/>
    </observation>
</component>

<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Spinal cord and peripheral nerves" extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="s120e" codeSystem="2.16.840.1.113883.6.254" displayName="Spinal cord and peripheral
nerves"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Spinal_cord_XDTC]"/>
    </observation>
</component>

<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Nature of the change" extension="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="s120n" codeSystem="2.16.840.1.113883.6.254" displayName="Nature of the change"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Nature_Spinal_XDTC]"/>
    </observation>
</component>

<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Cardiovascular system" extension="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="s410e" codeSystem="2.16.840.1.113883.6.254" displayName="Cardiovascular system"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Cardiovascular_sys_XDTC]"/>
    </observation>
</component>
</component>

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<observation classCode="OBS" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.1.31"/>
  <!-- Result observation template -->
  <id root="FunctionalStatus_Nature of the change" extension="XDTT_ID_A_N_Functional_Status_XDTT"/>
  <code code="s410n" codeSystem="2.16.840.1.113883.6.254" displayName="Nature of the change"/>
  <statusCode code="completed"/>
  <value xsi:type="INT" value="[XDTC_Nature_cardio_XDTC]"/>
</observation>
</component>
<component>
  <observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.1.31"/>
    <!-- Result observation template -->
    <id root="FunctionalStatus_Respiratory system" extension="XDTT_ID_A_N_Functional_Status_XDTT"/>
    <code code="s430e" codeSystem="2.16.840.1.113883.6.254" displayName="Respiratory system"/>
    <statusCode code="completed"/>
    <value xsi:type="INT" value="[XDTC_Respiratory_system_XDTC]"/>
  </observation>
</component>
<component>
  <observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.1.31"/>
    <!-- Result observation template -->
    <id root="FunctionalStatus_Nature of the change" extension="XDTT_ID_A_N_Functional_Status_XDTT"/>
    <code code="s430n" codeSystem="2.16.840.1.113883.6.254" displayName="Nature of the change"/>
    <statusCode code="completed"/>
    <value xsi:type="INT" value="[XDTC_Nature_Resp_XDTC]"/>
  </observation>
</component>
<component>
  <observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.1.31"/>
    <!-- Result observation template -->
    <id root="FunctionalStatus_Urinary system" extension="XDTT_ID_A_N_Functional_Status_XDTT"/>
    <code code="s610e" codeSystem="2.16.840.1.113883.6.254" displayName="Urinary system"/>
    <statusCode code="completed"/>
    <value xsi:type="INT" value="[XDTC_urinary_system_XDTC]"/>
  </observation>
</component>
<component>
  <observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.1.31"/>
    <!-- Result observation template -->
    <id root="FunctionalStatus_Nature of the change" extension="XDTT_ID_A_N_Functional_Status_XDTT"/>
    <code code="s610n" codeSystem="2.16.840.1.113883.6.254" displayName="Nature of the change"/>
    <statusCode code="completed"/>
    <value xsi:type="INT" value="[XDTC_Nature_Urinary_XDTC]"/>
  </observation>
</component>
<component>
  <observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.1.31"/>
    <!-- Result observation template -->
    <id root="FunctionalStatus_Reproductive system" extension="XDTT_ID_A_N_Functional_Status_XDTT"/>
    <code code="s630e" codeSystem="2.16.840.1.113883.6.254" displayName="Reproductive system"/>
    <statusCode code="completed"/>
    <value xsi:type="INT" value="[XDTC_Reproductive_system_XDTC]"/>
  </observation>
</component>
<component>
  <observation classCode="OBS" moodCode="EVN">

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        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Nature of the change" extension="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="s630n" codeSystem="2.16.840.1.113883.6.254" displayName="Nature of the change"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Nature_Reproductive_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Head and neck region" extension="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="s710e" codeSystem="2.16.840.1.113883.6.254" displayName="Head and neck region"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Head_and_neck_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Nature of the change" extension="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="s710n" codeSystem="2.16.840.1.113883.6.254" displayName="Nature of the change"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Nature_Head_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Shoulder region" extension="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="s720e" codeSystem="2.16.840.1.113883.6.254" displayName="Shoulder region"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Shoulder_region_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Nature of the change" extension="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="s720n" codeSystem="2.16.840.1.113883.6.254" displayName="Nature of the change"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Nature_Shoulder_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Upper extremity(arm,hand) " extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="s730e" codeSystem="2.16.840.1.113883.6.254" displayName="Upper extremity(arm,hand)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Upper_extremity_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">

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        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Nature of the change" extension="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="s730n" codeSystem="2.16.840.1.113883.6.254" displayName="Nature of the change"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Nature_Upper_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Pelvis" extension="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="s740e" codeSystem="2.16.840.1.113883.6.254" displayName="Pelvis"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Pelvis_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Nature of the change" extension="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="s740n" codeSystem="2.16.840.1.113883.6.254" displayName="Nature of the change"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Nature_Pelvis_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Lower extremity(leg,foot)" extension="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="s750e" codeSystem="2.16.840.1.113883.6.254" displayName="Lower extremity(leg,foot)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Lower_extremity_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Nature of the change" extension="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="s750n" codeSystem="2.16.840.1.113883.6.254" displayName="Nature of the change"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Nature_Lower_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Trunk" extension="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="s760e" codeSystem="2.16.840.1.113883.6.254" displayName="Trunk"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Trunk_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>

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        <!-- Result observation template -->
        <id root="FunctionalStatus_Nature of the change" extension="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="s760n" codeSystem="2.16.840.1.113883.6.254" displayName="Nature of the change"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Nature_Trunk_XDTC]"/>
    </observation>
</component>
<component>
<observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.1.31"/>
    <!-- Result observation template -->
    <id root="FunctionalStatus_Watching" extension="XDTT_ID_A_N_Functional_Status_XDTT"/>
    <code code="d110p" codeSystem="2.16.840.1.113883.6.254" displayName="Watching"/>
    <statusCode code="completed"/>
    <value xsi:type="INT" value="[XDTC_Watching_XDTC]"/>
</observation>
</component>
<component>
<observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.1.31"/>
    <!-- Result observation template -->
    <id root="FunctionalStatus_Watching(without assistance)" extension="XDTT_ID_A_N_Functional_Status_XDTT"/>
    <code code="d110c" codeSystem="2.16.840.1.113883.6.254" displayName="Watching (without assistance)"/>
    <statusCode code="completed"/>
    <value xsi:type="INT" value="[XDTC_Capacity_watching_XDTC]"/>
</observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Listening" extension="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d115p" codeSystem="2.16.840.1.113883.6.254" displayName="Listening"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Listening_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Listening (without assistance)" extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d115c" codeSystem="2.16.840.1.113883.6.254" displayName="Listening (without assistance)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Capacity_Listening_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Learning to read" extension="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d140p" codeSystem="2.16.840.1.113883.6.254" displayName="Learning to read"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Learning_to_read_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>

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        <!-- Result observation template -->
        <id root="FunctionalStatus_Learning to read (without assistance)" extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d140c" codeSystem="2.16.840.1.113883.6.254" displayName="Learning to read (without
assistance)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Capacity_Read_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Learning to write" extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d145p" codeSystem="2.16.840.1.113883.6.254" displayName="Learning to write"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Learning_to_write_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Learning to write (without assistance)" extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d145c" codeSystem="2.16.840.1.113883.6.254" displayName="Learning to write (without
assistance)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Capacity_Write_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Learning to calculate (arithmetic)" extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d150p" codeSystem="2.16.840.1.113883.6.254" displayName="Learning to calculate
(arithmetic)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Learning_calculate_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Learning to calculate (without assistance)" extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d150c" codeSystem="2.16.840.1.113883.6.254" displayName="Learning to calculate (without
assistance)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Capacity_Calculate_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Solving problems" extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d175p" codeSystem="2.16.840.1.113883.6.254" displayName="Solving problems"/>

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        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Solving_problems_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Solving problems (without assistance)" extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d175c" codeSystem="2.16.840.1.113883.6.254" displayName="Solving problems (without
assistance)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Capacity_solving_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Undertaking a single task" extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d210p" codeSystem="2.16.840.1.113883.6.254" displayName="Undertaking a single task"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Undertaking_single_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Undertaking a single task (without assistance)" extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d210c" codeSystem="2.16.840.1.113883.6.254" displayName="Undertaking a single task (without
assistance)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Capacity_Single_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Undertaking multiple tasks" extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d220p" codeSystem="2.16.840.1.113883.6.254" displayName="Undertaking multiple tasks"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Undertaking_multiple_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Undertaking multiple tasks (without assistance)" extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d220c" codeSystem="2.16.840.1.113883.6.254" displayName="Undertaking multiple tasks
(without assistance)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Capacity_multiple_XDTC]"/>
    </observation>
</component>
</component>

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<observation classCode="OBS" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.1.31"/>
  <!-- Result observation template -->
  <id root="FunctionalStatus_Communication with --receiving--spoken messages" extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
  <code code="d310p" codeSystngem="2.16.840.1.113883.6.254" displayName="Communication with receiving
spoken messages"/>
  <statusCode code="completed"/>
  <value xsi:type="INT" value="[XDTC_Communication_rec_XDTC]"/>
</observation>
</component>
<component>
  <observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.1.31"/>
    <!-- Result observation template -->
    <id root="FunctionalStatus_Communication with --receiving--spoken messages (without assistance)" extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
    <code code="d310c" codeSystem="2.16.840.1.113883.6.254" displayName="Communication with receiving
spoken messages (without assistance)"/>
    <statusCode code="completed"/>
    <value xsi:type="INT" value="[XDTC_Capacity_Spoken_XDTC]"/>
  </observation>
</component>
<component>
  <observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.1.31"/>
    <!-- Result observation template -->
    <id root="FunctionalStatus_Communication with --receiving--non-verbal messages" extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
    <code code="d315p" codeSystngem="2.16.840.1.113883.6.254" displayName="Communication with receiving
non-verbal messages"/>
    <statusCode code="completed"/>
    <value xsi:type="INT" value="[XDTC_Communication_verbal_XDTC]"/>
  </observation>
</component>
<component>
  <observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.1.31"/>
    <!-- Result observation template -->
    <id root="FunctionalStatus_Communication with --receiving--non-verbal messages (without assistance)"
extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
    <code code="d315c" codeSystem="2.16.840.1.113883.6.254" displayName="Communication with receiving
non-verbal messages (without assistance)"/>
    <statusCode code="completed"/>
    <value xsi:type="INT" value="[XDTC_Capacity_nonverbal_XDTC]"/>
  </observation>
</component>
<component>
  <observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.1.31"/>
    <!-- Result observation template -->
    <id root="FunctionalStatus_Speaking" extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
    <code code="d330p" codeSystngem="2.16.840.1.113883.6.254" displayName="Speaking"/>
    <statusCode code="completed"/>
    <value xsi:type="INT" value="[XDTC_Speaking_XDTC]"/>
  </observation>
</component>
<component>
  <observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.1.31"/>
    <!-- Result observation template -->

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        <id root="FunctionalStatus_Speaking (without assistance)" extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d330c" codeSystem="2.16.840.1.113883.6.254" displayName="Speaking (without assistance)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Capacity_Speaking_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Producing non-verbal messages" extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d335p" codeSystem="2.16.840.1.113883.6.254" displayName="Producing non-verbal
messages"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Producing_nonverbal_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Producing non-verbal messages (without assistance)" extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d335c" codeSystem="2.16.840.1.113883.6.254" displayName="Producing non-verbal messages
(without assistance)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Capacity_Producing_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Conversation" extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d350p" codeSystem="2.16.840.1.113883.6.254" displayName="Conversation"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Conversation_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Conversation (without assistance)" extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d350c" codeSystem="2.16.840.1.113883.6.254" displayName="Conversation (without
assistance)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Capacity_Conversatio_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Lifting and carrying objects" extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d430p" codeSystem="2.16.840.1.113883.6.254" displayName="Lifting and carrying objects"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Lifting_and_carrying_XDTC]"/>

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    </observation>
  </component>
  <component>
    <observation classCode="OBS" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.1.31"/>
      <!-- Result observation template -->
      <id root="FunctionalStatus_Lifting and carrying objects (without assistance)" extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
      <code code="d430c" codeSystem="2.16.840.1.113883.6.254" displayName="Lifting and carrying objects
(without assistance)"/>
      <statusCode code="completed"/>
      <value xsi:type="INT" value="[XDTC_Capacity_Lifting_XDTC]"/>
    </observation>
  </component>
  <component>
    <observation classCode="OBS" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.1.31"/>
      <!-- Result observation template -->
      <id root="FunctionalStatus_Fine hand use (picking up, grasping)" extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
      <code code="d440p" codeSystem="2.16.840.1.113883.6.254" displayName="Fine hand use (picking up,
grasping)"/>
      <statusCode code="completed"/>
      <value xsi:type="INT" value="[XDTC_Fine_hand_use_XDTC]"/>
    </observation>
  </component>
  <component>
    <observation classCode="OBS" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.1.31"/>
      <!-- Result observation template -->
      <id root="FunctionalStatus_Fine hand use (picking up, grasping) (without assistance)" extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
      <code code="d440c" codeSystem="2.16.840.1.113883.6.254" displayName="Fine hand use (picking up,
grasping)(without assistance)"/>
      <statusCode code="completed"/>
      <value xsi:type="INT" value="[XDTC_Capacity_hand_use_XDTC]"/>
    </observation>
  </component>
  <component>
    <observation classCode="OBS" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.1.31"/>
      <!-- Result observation template -->
      <id root="FunctionalStatus_Walking" extension="XDTT_ID_A_N_Functional_Status_XDTT"/>
      <code code="d450p" codeSystem="2.16.840.1.113883.6.254" displayName="Walking"/>
      <statusCode code="completed"/>
      <value xsi:type="INT" value="[XDTC_Walking_XDTC]"/>
    </observation>
  </component>
  <component>
    <observation classCode="OBS" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.1.31"/>
      <!-- Result observation template -->
      <id root="FunctionalStatus_Walking (without assistance)" extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
      <code code="d450c" codeSystem="2.16.840.1.113883.6.254" displayName="Walking (without assistance)"/>
      <statusCode code="completed"/>
      <value xsi:type="INT" value="[XDTC_Capacity_Walking_XDTC]"/>
    </observation>
  </component>
  <component>
    <observation classCode="OBS" moodCode="EVN">

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        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Moving around using equipment (wheelchair, skates, etc.)" extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d465p" codeSystem="2.16.840.1.113883.6.254" displayName="Moving around using
equipment (wheelchair, skates, etc.)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Moving_around_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Moving around using equipment (wheelchair, skates, etc.) (without assistance)"
extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d465c" codeSystem="2.16.840.1.113883.6.254" displayName="Moving around using equipment
(wheelchair, skates, etc.) (without assistance)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Capacity_Moving_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Using transportation (car, bus, train, plane, etc.)" extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d470p" codeSystem="2.16.840.1.113883.6.254" displayName="Using transportation (car, bus,
train, plane, etc.)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Using_transportation_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Using transportation (car, bus, train, plane, etc.)(without assistance)" extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d470c" codeSystem="2.16.840.1.113883.6.254" displayName="Using transportation (car, bus,
train, plane, etc.)(without assistance)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Capacity_Transport_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Driving (riding bicycle and motorbike, driving car, etc.)" extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d475p" codeSystem="2.16.840.1.113883.6.254" displayName="Driving (riding bicycle and
motorbike, driving car, etc.)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Driving_riding_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>

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        <!-- Result observation template -->
        <id root="FunctionalStatus_Driving (riding bicycle and motorbike, driving car, etc.)(without assistance)"
extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d475c" codeSystem="2.16.840.1.113883.6.254" displayName="Driving (riding bicycle and
motorbike, driving car, etc.)(without assistance)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Capacity_Driving_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Washing oneself (bathing, drying, washing hands, etc)" extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d510p" codeSystem="2.16.840.1.113883.6.254" displayName="Washing oneself (bathing,
drying, washing hands, etc)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Washing_oneseif_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Washing oneself (bathing, drying, washing hands, etc)(without assistance)"
extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d510c" codeSystem="2.16.840.1.113883.6.254" displayName="Washing oneself (bathing, drying,
washing hands, etc)(without assistance)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Capacity_Washing_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Caring for body parts (brushing teeth, shaving, grooming, etc.)" extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d520p" codeSystem="2.16.840.1.113883.6.254" displayName="Caring for body parts (brushing
teeth, shaving, grooming, etc.)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Caring_for_body_part_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Caring for body parts (brushing teeth, shaving, grooming, etc.)(without assistance)"
extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d520c" codeSystem="2.16.840.1.113883.6.254" displayName="Caring for body parts (brushing
teeth, shaving, grooming, etc.)(without assistance)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Capacity_Carring_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->

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        <id root="FunctionalStatus_Toileting" extension="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d530p" codeSystem="2.16.840.1.113883.6.254" displayName="Toileting"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Toileting_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Toileting (without assistance)" extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d530c" codeSystem="2.16.840.1.113883.6.254" displayName="Toileting (without assistance)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Capacity_Toileting_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Dressing" extension="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d540p" codeSystem="2.16.840.1.113883.6.254" displayName="Dressing"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Dressing_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Dressing(without assistance)" extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d530c" codeSystem="2.16.840.1.113883.6.254" displayName="Dressing (without assistance)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Capacity_Dressing_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Eating" extension="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d550p" codeSystem="2.16.840.1.113883.6.254" displayName="Eating"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Eating_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Eating(without assistance)" extension="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d550c" codeSystem="2.16.840.1.113883.6.254" displayName="Eating (without assistance)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Capacity_Eating_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>

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        <!-- Result observation template -->
        <id root="FunctionalStatus_Drining" extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d560p" codeSystem="2.16.840.1.113883.6.254" displayName="Drinking"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Drinking_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Drinking(without assistance)" extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d560c" codeSystem="2.16.840.1.113883.6.254" displayName="Drinkling (without assistance)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Capacity_Drinking_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Looking after one`s health" extension ="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d570p" codeSystem="2.16.840.1.113883.6.254" displayName="Looking after one`s health"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Looking_after_ones_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Looking after one`s health (without assistance)" extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d570c" codeSystem="2.16.840.1.113883.6.254" displayName="Looking after one`s health
(without assistance)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Capacity_Looking_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Acquisition of goods and services (shopping, etc.)" extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d620p" codeSystem="2.16.840.1.113883.6.254" displayName="Acquisition of goods and
services (shopping, etc.)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Acquisition_of_goods_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Acquisition of goods and services (shopping, etc.)(without assistance)" extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
        <code code="d620c" codeSystem="2.16.840.1.113883.6.254" displayName="Acquisition of goods and services
(shopping, etc.)(without assistance)"/>
        <statusCode code="completed"/>

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        <value xsi:type="INT" value="[XDTC_Capacity_Acquistg_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Preparation of meals (cooking etc.)" extension
="XDTT_ID_A_N_Functional_Status_XDTC"/>
        <code code="d630p" codeSystngem="2.16.840.1.113883.6.254" displayName="Preparation of meals (cooking
etc.)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Preparation_of_meals_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Preparation of meals (cooking etc.)(without assistance)" extension
="XDTT_ID_A_N_Functional_Status_XDTC"/>
        <code code="d630c" codeSystem="2.16.840.1.113883.6.254" displayName="Preparation of meals (cooking
etc.)(without assistance)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Capacity_Meals_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Doing housework (cleaning house, washing dishes laundry, ironing, etc.)" extension
="XDTT_ID_A_N_Functional_Status_XDTC"/>
        <code code="d640p" codeSystngem="2.16.840.1.113883.6.254" displayName="Doing housework (cleaning
house, washing dishes laundry, ironing, etc.)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Doing_housework_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Doing housework (cleaning house, washing dishes laundry, ironing, etc.) (without
assistance)" extension ="XDTT_ID_A_N_Functional_Status_XDTC"/>
        <code code="d640c" codeSystem="2.16.840.1.113883.6.254" displayName="Doing housework (cleaning house,
washing dishes laundry, ironing, etc.)(without assistance)"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Capacity_Housework_XDTC]"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.31"/>
        <!-- Result observation template -->
        <id root="FunctionalStatus_Assisting others" extension ="XDTT_ID_A_N_Functional_Status_XDTC"/>
        <code code="d660p" codeSystngem="2.16.840.1.113883.6.254" displayName="Assisting others"/>
        <statusCode code="completed"/>
        <value xsi:type="INT" value="[XDTC_Assisting_others_XDTC]"/>
    </observation>
</component>

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<component>
  <observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.1.31"/>
    <!-- Result observation template -->
    <id root="FunctionalStatus_Assisting others (without assistance)" extension
="XDTT_ID_A_N_Functional_Status_XDTT"/>
    <code code="d660c" codeSystem="2.16.840.1.113883.6.254" displayName="Assisting others (without
assistance)"/>
    <statusCode code="completed"/>
    <value xsi:type="INT" value="[XDTC_Capacity_Assisting_XDTC]"/>
  </observation>
</component>
</organizer>
</entry>
?>
</section>
</component>
</structuredBody>
</section>
</component>

```

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<!--
*****

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History of Present Illness - Optional

```

*****

```

```

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```

```

<component>
  <section>
    <templateId root="1.3.6.1.4.1.19376.1.5.3.1.3.4"/>
    <code code="10164-2" codeSystem="2.16.840.1.113883.6.1"
      displayName="HISTORY OF PRESENT ILLNESS"/>
    <title>HISTORY OF PRESENT ILLNESS</title>
    <text>Human readable text</text>
  </section>
</component>

```

```

<!--
*****

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Hospital Discharge Physical - Optional

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*****

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```

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```

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<component>
  <section>
    <templateId root="1.3.6.1.4.1.19376.1.5.3.1.3.26"/>
    <code code="10184-0" displayName="HOSPITAL DISCHARGE PHYSICAL"
      codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"/>
    <text>Human readable text</text>
  </section>
</component>

```

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<!--
*****

```

Hospital Discharge Studies Summary - Optional

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*****

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```

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```

```

<component>
  <section>
    <templateId root="2.16.840.1.113883.10.20.16.2.3"/>
    <code codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" code="11493-4"

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        displayName="HOSPITAL DISCHARGE STUDIES SUMMARY"/>
        <title>HOSPITAL DISCHARGE STUDIES SUMMARIES</title>
        <text>Human readable text</text>
    </section>
</component>

<!--
*****
Immunizations - Optional
*****
-->

<component>
    <section>
        <templateId root="2.16.840.1.113883.10.20.1.6"/>
        <code codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" code="11369-6"
            displayName="HISTORY OF IMMUNIZATIONS"/>
        <title>IMMUNIZATIONS</title>
        <text>Human readable text</text>
    </section>
</component>

<!--
*****
Past Medical History - Optional
*****
-->

<component>
    <section>
        <templateId root="2.16.840.1.113883.10.20.2.9"/>
        <code code="11348-0" codeSystem="2.16.840.1.113883.6.1"
            displayName="HISTORY OF PAST ILLNESS"/>
        <title>PAST MEDICAL HISTORY</title>
        <text>Human readable text</text>
<entry typeCode="DRIV">
    <substanceAdministration classCode="SBADM" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.24"/>
        <!-- Medication activity template -->
        <id root="Immunization" extension="XDTT_ID_A_Immunizations_XDTT"/>
        <statusCode code="completed"/>
        <routeCode code="[XDTC_Administration_route_XDTC]" codeSystem="2.16.840.1.113883.5.112"
            displayName="[XDTT_Administration_route_XDTT]"/> <!-- Use only the value provided by NCD for standard georgian
            vaccine-->
        <consumable>
            <manufacturedProduct>
                <templateId root="2.16.840.1.113883.10.20.1.53"/>
                <!-- Product template -->
                <manufacturedMaterial>
                    <code code="[XDTC_Immun_Vaccine_XDTC]" codeSystem="2.16.840.1.113883.6.59"
                        displayName="[XDTT_Immun_Vaccine_XDTT]"/>
                    <!-- Use only the NCD table with code provided by US-NDC-->
                    </code>
                </manufacturedMaterial>
            </manufacturedProduct>
        </consumable>
        [XDTX_Immunization_Supply_XDTX]
    </substanceAdministration>
<entryRelationship typeCode="REFR">
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.47"/>
        <!-- Medication status observation template -->

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    <code code="33999-4" codeSystem="2.16.840.1.113883.6.1" displayName="Status"/>
    <statusCode code="completed"/>
    <value xsi:type="CE" code="[XDTC_Immun_Status_XDTC]" codeSystem="2.16.840.1.113883.6.96"
displayName="[XDTT_Immun_Status_XDTT]"/>
    <!--Use the value set 2.16.840.1.113883.1.11.20.7 MedicationStatusCode-->
  </observation>
</entryRelationship>
<entryRelationship typeCode="SUBJ">
  <observation classCode="ACT" moodCode="ENV">
    <id root="Immunizations_ImmunizationNotes" extension ="XDTT_ID_A_Immunizations_XDTT"/>
    <value xsi:type="ST">
      [XDTT_Comment_XDTT]
    </value>
  </observation>
</entryRelationship>
</entry>
  </section>
</component>

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<!--
*****

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Payers - Optional

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```

<component>
  <section>
    <templateId root='2.16.840.1.113883.10.20.1.9'/>
    <!-- Payers section template -->
    <code code="48768-6" codeSystem="2.16.840.1.113883.6.1"/>
    <title>Payers</title>
    <text>Human readable text</text>
  <entry typeCode="DRIV">
    <act classCode="ACT" moodCode="DEF">
      <templateId root='2.16.840.1.113883.10.20.1.20'/>
      <!-- Coverage activity template -->
      <id root="Payers" extension ="[XDTT_ID_Payers_XDTT]"/>
      <!-- XDTT specific wHospital Tag-->
      <code code="48768-6" codeSystem="2.16.840.1.113883.6.1" displayName="Payment sources"/>
      <statusCode code="completed"/>
      <entryRelationship typeCode="COMP">
        <act classCode="ACT" moodCode="EVN">
          <templateId root='2.16.840.1.113883.10.20.1.26'/>
          <!-- Policy activity template -->
          <id root="Payers" extension ="[XDTT_ID_Payers_XDTT]"/>
          <code code="[XDTC_Source_of_Payment_XDTC]" codeSystem="2.16.840.1.113883.5.4"
displayName="[XDTT_Source_of_Payment_XDTT]"/>
          <!--ActCode CoverageType HL7 code-->
          <statusCode code="completed"/>
          <performer typeCode="PRF">
            <assignedEntity>
              <id root="[XDTC_Payer_Name_XDTC]"/>
              <representedOrganization>
                <name>[XDTT_Payer_Name_XDTT]</name>
              </representedOrganization>
            </assignedEntity>
          </performer>
          <participant typeCode="COV">
            <participantRole>
              <id root="[XDTT_Reference_number_XDTT]"/>

```

```

        <code code="[XDTC_Reason_of_Coverage_XDTC]" codeSystem="2.16.840.1.113883.5.111"
displayName="[XDTT_Reason_of_Coverage_XDTT]"/>
        <!--RoleCode PolicyOrProgramCoverageRoleType-->
    </participantRole>
    <time>
        <low value="[XDTT_Start_Date_XDTT]"/>
        <!--YYYYMM-->
        <high value="[XDTT_End_Date_XDTT]"/>
    </time>
</participant>
<entryRelationship typeCode="REFR">
    <act classCode="ACT" moodCode="DEF">
        <text>
            [XDTT_Coverage_Status_XDTT]
        </text>
    </act>
</entryRelationship>
<entryRelationship typeCode="REFR">
    <act classCode="ACT" moodCode="DEF">
        <text>
            [XDTT_Coverage_Details_XDTT]
        </text>
    </act>
</entryRelationship>
</act>
</entryRelationship>
</act>
</entry>
</section>
</component>

```

```

<!--
*****
Procedures- Optional
*****
-->

```

```

<component>
    <section>
        <templateId root="2.16.840.1.113883.10.20.1.12"/>
        <!-- Procedures section template -->
        <code code="47519-4" codeSystem="2.16.840.1.113883.6.1"/>
        <title>Procedures</title>
        <text>Human readable text</text>
    <entry typeCode="DRIV">
        <procedure classCode="PROC" moodCode="EVN">
            <templateId root="2.16.840.1.113883.10.20.1.29"/>
            <!-- Procedure activity template -->
            <id root="Procedures" extension="[XDTT_ID_A_Surgical_Procedure_XDTT]"/>
            <code code="[XDTC_Body_System_XDTC]" codeSystem="NCSP" displayName="[XDTT_Body_System_XDTT]"/>
            <!-- No OID for NOMESCO Classification of Surgical Procedures-->
            <statusCode code="completed"/>
            <!-- Use only completed status for CCD -->
            <effectiveTime value="[XDTT_Year_XDTT][XDTT_Month_XDTT]"/>
            <!-- For code refer to year and month table -->
            <entryRelationship typeCode="REFR">
                <observation classCode="OBS" moodCode="EVN">
                    <id root="Procedure_P_description" extension="[XDTT_ID_A_Surgical_Procedure_XDTT]"/>
                    <code code="34121-4" codeSystem="2.16.840.1.113883.6.1" displayName="Interventional procedure note"/>
                    <effectiveTime value="[XDTT_Date_XDTT]"/>
                    <text>

```

```
        [XDTT_P_description_XDTT]
    </text>
</observation>
</entryRelationship>
</procedure>
</entry>
</section>
</component>
```

<!--

Reason for Visit / Chief Complaint - Optional

-->

```
<component>
    <section>
        <templateId root="2.16.840.1.113883.10.20.2.8"/>
        <code codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" code="46239-0"
            displayName="REASON FOR VISIT"/>
        <title>REASON FOR VISIT</title>
        <text>Human readable text</text>
    </section>
</component>
```

<!--

Review of Systems - Optional

-->

```
<component>
    <section>
        <templateId root="2.16.840.1.113883.10.20.4.10"/>
        <code code="10187-3" codeSystem="2.16.840.1.113883.6.1"
            displayName="REVIEW OF SYSTEMS"/>
        <title>Review of Systems</title>
        <text>Human readable text</text>
    </section>
</component>
```

<!--

Social History - Optional

-->

```
<component>
    <section>
        <templateId root="2.16.840.1.113883.10.20.1.15"/>
        <!-- Social history section template -->
        <code code="29762-2" codeSystem="2.16.840.1.113883.6.1"/>
        <title>Social History</title>
        <text>Human readable text</text>
        <entry typeCode="DRIV">
            <observation classCode="OBS" moodCode="EVN">
                <id root="SocialHistory_AgeGroup" extension="XDTT_A_Social_History_XDTT"/>
                <!--Specific wHospital tag-->
                <code code="105726004" codeSystem="2.16.840.1.113883.6.96" displayName="Age group"/>
                <statusCode code="completed"/>
                <value xsi:type="CE" code="[XDTC_Age_group_XDTC]" codeSystem="2.16.840.1.113883.6.96"
                    displayName="[XDTT_Age_group_XDTT]"/>
                <!--Use child concept from SNOMED - 105726004 -->
```

```

    </observation>
  </entry>
  <entry typeCode="DRIV">
    <observation classCode="OBS" moodCode="EVN">
      <id root="SocialHistory_MaritalStatus" extension="XDTT_A_Social_History_XDTT"/>
      <code code="365581002" codeSystem="2.16.840.1.113883.6.96" displayName="Marital status"/>
      <statusCode code="completed"/>
      <value xsi:type="CE" code="[XDTC_Marital_status_XDTC]" codeSystem="2.16.840.1.113883.6.96"
displayName="[XDTT_Marital_status_XDTT]"/>
      <!--Use child concepts of SNOMED 365581002-->
    </observation>
  </entry>
  <entry typeCode="DRIV">
    <observation classCode="OBS" moodCode="EVN">
      <id root="SocialHistory_Education" extension="XDTT_A_Social_History_XDTT"/>
      <code code="365460000" codeSystem="2.16.840.1.113883.6.96" displayName="Current level of education"/>
      <!--Use child concepts of SNOMED 365460000-->
      <statusCode code="completed"/>
      <value xsi:type="CE" code="[XDTC_Current_Education_XDTC]" codeSystem="2.16.840.1.113883.6.96"
displayName="[XDTT_Current_Education_XDTT]"/>
    </observation>
  </entry>
  <entry typeCode="DRIV">
    <observation classCode="OBS" moodCode="EVN">
      <id root="SocialHistory_Status" extension="XDTT_A_Social_History_XDTT"/>
      <code code="108340002" codeSystem="2.16.840.1.113883.6.96" displayName="Social Status"/>
      <statusCode code="completed"/>
      <value xsi:type="CE" code="[XDTC_Social_Status_XDTC]" codeSystem="2.16.840.1.113883.6.96"
displayName="[XDTT_Social_Status_XDTT]"/>
      <!--Use child concepts of SNOMED 108340002-->
    </observation>
  </entry>
  <entry typeCode="DRIV">
    <observation classCode="OBS" moodCode="EVN">
      <id root="SocialHistory_ProfessionalStatus" extension="XDTT_A_Social_History_XDTT"/>
      <code code="365525008" codeSystem="2.16.840.1.113883.6.96" displayName="Finding of employment status"/>
      <statusCode code="completed"/>
      <value xsi:type="CE" code="[XDTC_Occupation_status_XDTC]" codeSystem="2.16.840.1.113883.6.96"
displayName="[XDTT_Occupation_status_XDTT]"/>
      <!--Use child concepts of SNOMED 365525008-->
      <entryRelationship typeCode="REFR">
        <!-- if first value is NULL nothing is inserted-->
        <observation classCode="OBS" moodCode="EVN" wHPro="4">
          <id root="SocialHistory_Profession" extension="XDTT_A_Social_History_XDTT"/>
          <value xsi:type="INT">
            [XDTC_Current_occupation_XDTC] <!-- for codification please refer to cEMR Labour Table-->
          </value>
        </observation>
      </entryRelationship>
      <entryRelationship typeCode="REFR" wHPro="4">
        <!-- if first value is NULL nothing is inserted-->
        <observation classCode="OBS" moodCode="EVN" wHPro="4">
          <id root="SocialHistory_PreviousProfession"/>
          <value xsi:type="INT">
            [XDTC_Last_occupation_XDTC] <!-- for codification please refer to cEMR Labour Table-->
          </value>
        </observation>
      </entryRelationship>
      <entryRelationship typeCode="REFR" wHPro="4">
        <observation classCode="OBS" moodCode="EVN">
          <id root="RetirementDuration"/>

```

```

        <value xsi:type="INT">
        [XDTC_Duration_of_pension_XDTC] <!--for codification please refer to cEMR RetirementDuration-->
        </value>
    </observation>
</entryRelationship>
<entryRelationship typeCode="REFR" wHPro="4">
    <observation classCode="OBS" moodCode="EVN">
        <id root="UnemploymentDuration"/>
        <value xsi:type="INT">
            <!--for codification please refer to cEMR UnmpoyentDuration-->
            [XDTC_Dur_Unemployment_XDTC]
        </value>
    </observation>
</entryRelationship>
</observation>
</entry>
[XDTX_Risk_Factor_XDTX] <!-- Name of field linked to the Child cForm, specific for wHospital-->
</section>
</component>

```

<!--

Encounter - Optional

-->

```

<component>
    <section>
        <templateId root="2.16.840.1.113883.3.88.11.83.127"/>
        <code code="46240-8" codeSystem="2.16.840.1.113883.6.1"/>
        <title>History of encounters</title>
        <text>Human readable text</text>
    <entry typeCode="DRIV">
        <encounter classCode="ENC" moodCode="EVN">
            <templateId root="2.16.840.1.113883.10.20.1.21"/>
            <!-- Encounter activity template -->
            <id root="Encounters" extension="[XDTT_Case_Number_XDTT]"/> <!-- Unique identifier numeber -->
            <effectiveTime>
                <min value= "[XDTT_Encounter_Date_XDTT]"/>
                <high value= "[XDTT_End_date_XDTT]"/>
            </effectiveTime><!--Date of the encounter-->
            <code code="[XDTC_Location_XDTC]" codeSystem="2.16.840.1.113883.5.4" displayName="[XDTT_Location_XDTT]"/>
            <performer>
                <name>[XDTT_Doctor_XDTT]</name>
            </performer>
            <participant typeCode="LOC" wHpro="4">
                <templateId root="2.16.840.1.113883.10.20.1.45"/>
                <!-- Location participation template -->
                <participantRole classCode="SDLOC">
                    <id root="2.16.840.1.113883.19.5"/>
                    <playingEntity classCode="PLC">
                        <providerOrganization >
                            <id root="2.16.840.1.113883.19.5" extension = "[XDTC_HospitalName_XDTC]"/>
                            <!-- Example OID Need to Use Georgian central EMR-->
                            <name>[XDTT_Hospital_XDTT]</name>
                        </providerOrganization>
                    </playingEntity>
                </participantRole>
            </participant>
            <entryRelationship typeCode="RSON">
                <!-- Indication for the encounters activity-->
                <observation classCode="COND" moodCode="EVN">

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```
<id root="Encounters_InteractionType" extension = "XDTT_IDD_DTname_XDTT"/>
<code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4"/>
<statusCode code="completed"/>
<value xsi:type="ST">
  [XDTT_E_Interact_type_XDTT] <!-- Specific interaction type for a encounter, refer to interaction type table-->
</value>
<!--IC10 code system-->
</observation>
</entryRelationship>
[XDTX_Encounter_Activity_XDTX] <!-- Child modules to describe one or more reason for the visit-->
</encounter>
</entry>
</section>
</component>

    </structuredBody>
</component>
</ClinicalDocument>
```