

REST API Documentation

iMedicWare R8-V4

Revision History

The Revision History table below provides a record of all revisions made to this document throughout its life cycle. Updates are tracked by date the revisions were made, the version number, a brief description of the changes made and reason, as well as the name of the reviser and the approver.

Effective Date	Version #	Change Description/ Reason	Created/Revised by	Reviewed by	Approved by
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Introduction

The purpose of this document is to list the API endpoints and methods provided by iMedicWare to interact with iDoc applications for the purpose of providing third party developers a valid channel to pull data from iDoc applications. This document will guide through the Authentication mechanism and various API methods and endpoints available for data sharing through iDocAPI.

The request parameters can either be sent as POST parameters or in request payload in JSON format.

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1. Authentication

This is the step to authenticate the calling party on iDoc end. At this step we validate the calling user's credentials and provide an authentication token to the user marked with certain expiry time. Generally this call needs to be triggered once a day. The user can cache the token generated on its end and use it for the further API calls for the day. Any iDoc user, [API Access](#) privileged, is allowed to interact with the iDoc API endpoints.

Process

- Before sending any API call, the user must obtain an access token, to authenticate the API call.
- If credentials passed in the API call are matched against user record in iDoc database, then authorization token will be generated. It will be logged in iDoc database with the IP address of the client computer sending request for token generation.
- The authorization token will have a lifetime of 24 hours.
- All the future requests will require the authorization token for authentication.

Endpoint:

{iDocURL}/IMWAPI/[getToken](#)

Request Data:

Sr.No.	Field Name	Data Type	Comments
1.	userId*	String	iDoc user id
2.	password*	String	iDoc password

Sample JSON:

```
{
  "userId": "admin", "password":
    "XXXXXXXXXXXXXXXXXX"
}
```

2. Patient Search

This API call provides the ability to search patient records in the iDoc database. It will list all the matching records as **maxRecords** value passed.

Endpoint:

{iDocURL}/IMWAPI/**searchPatient**

Request Data:

Sr.No.	Field Name	Data Type	Comments
1.	fname	String	Patient's First Name
2.	lname*	String	Last Name of the patient
3.	dob	Date	Format: YYYY-MM-DD
4.	maxRecords	Integer	
5.	accessToken*	String	

Sample JSON:

```
{
  "accessToken": "070092780051be165cc0de3bb5de2d9060623e22c13614ba3f7eaff6f746f218",
  "fname": "",
  "lname": "doe",
  "dob": "",
  "maxRecords": "1"
}
```

Response Data:

Sr.No.	Field Name	Data Type
1.	ID	Integer
2.	FirstName	String
3.	LastName	String
4.	MiddleName	String
5.	Suffix	String
6.	DateOfBirth	Date
7.	SSN	String
8.	Sex	String
9.	HomePhone	String
10.	BusinessPhone	String
11.	CellPhone	String
12.	Email	String
13.	Street1	String
14.	Street2	String
15.	City	String
16.	State	String
17.	Zip	String
18.	Previous Name	
18.1	First Name	String
18.2	Last Name	String
19.	Previous Address	
19.1	Street1	String
19.2	Street2	String
19.3	City	String
19.4	State	String
19.5	Zip	String

Sample JSON:

```
{
  "Success": 1,
  "result": {
    "SearchPatient": [
      {
        "ID": "5",
        "ExternalID": "",
        "FirstName": "Happy",
        "LastName": "Kid",
        "MiddleName": "Always",
        "Suffix": "",
        "DateOfBirth": "2018-06-01",
        "SSN": "",
        "Sex": "Female",
        "HomePhone": "5557231544",
        "BusinessPhone": "",
        "CellPhone": "5557771234",
        "Email": "",
        "Address": [
          {
            "Street1": "1357 Amber Drive",
            "Street2": "",
            "City": "Beaverton",
            "State": "OR",
            "Zip": "97006"
          }
        ],
        "PreviousName": [
          {
            "fname": "Appy",
            "lname": "Kid"
          }
        ]
      }
    ]
  }
}
```

```
"PreviousAddress": [  
  {  
    "street1": "1402 Dary Dr",  
    "street2": "",  
    "city": "Beaverton",  
    "state": "OR",  
    "postal_code": "97006"  
  }  
]  
}  
]
```

3. Demographics

This call will provide access to the patient demographics, guarantor, family and insurance data.

Endpoints:

1. [{iDocURL}/IMWAPI/getDemographics](#)
This will retrieve all data from all the sections included in demographics. e.g. Demographics, Guarantor, Family and Insurance.
2. [{iDocURL}/IMWAPI/getDemographics/demographicsOnly](#) This will return data only for patient demographics section.
3. [{iDocURL}/IMWAPI/getDemographics/insurance](#) This will return insurance data only.
4. [{iDocURL}/IMWAPI/getDemographics/guarantor](#) This will list information for guarantors only.

5. {iDocURL}/IMWAPI/getDemographics/family

This will list information for patient's family members only.

Request Data:

Sr.No.	Field Name	Data Type	Comments
1.	patientId*	Integer	Patient MRN in iMW
2.	accessToken*	String	

Sample JSON:

```
{  
  "accessToken": "070092780051be165cc0de3bb5de2d9060623e22c13614ba3f7eaff6f746f218",  
  "patientId": "67872"  
}
```

Response Data:

Following fields will be provided in response data:

Sr.No.	Field Name	Data Type
1.	PatientID	Integer
2.	Title	String
3.	FirstName	String
4.	MiddleName	String
5.	LastName	String
6.	DOB	Date
7.	Sex	String
8.	MaritalStatus	String
9.	ProviderID	String
10.	PrimaryCarePhysicianId	String
11.	ModifiedDate	String

12.	HomePhone	String
13.	WorkPhone	String
14.	MobilePhone	String
15.	Email	String
16.	ContactName	String
17.	PhoneNumber	String
18.	Address	
18.1.	Street1	String
18.2.	Street2	String
18.3.	City	String
18.4.	State	String
18.5.	Zip	String
19.	Previous Name	
19.1	First Name	String
19.2	Last Name	String
20.	Previous Address	
20.1	Street1	String
20.2	Street2	String
20.3	City	String
20.4	State	String
20.5	Zip	String
Guarantor/Family		
21.	Title	String
22.	FirstName	String
23.	MiddleName	String
24.	LastName	String
25.	Relationship	String

26.	Street1	String
27.	Street2	String
28.	City	String
29.	State	String
30.	Zip	String
31.	HomePhone	String
32.	WorkPhone	String
33.	MobilePhone	String
Insurance Data		
34.	Type	String
35.	Name	String
36.	Caseld	String
37.	CaseName	String
38.	PolicyNumber	String

Sample JSON:

```
{
  "Success": 1,
  "result": {
    "Demographics": {
      "Demographic": {
        "PatientID": "67872",
        "Title": "Mr.",
        "FirstName": "First",
        "LastName": "Doe",
        "MiddleName": "T", "DateOfBirth":
          "1970-08-27",
        "Sex": "Male",
        "Race": "Latin American", "Ethnicity":
          "American", "Language":
          "English", "MaritalStatus":
          "married", "ProviderID": "88",
        "PrimaryCarePhysicianId": "284",
        "HomePhone": "(741) 852-9630",
        "WorkPhone": "(357) 159-4568",
        "MobilePhone": "(963) 852-7411", "Email":
          "test@test.com", "ContactName":
          "Sharon", "PhoneNumber":
          "7418526549", "Street1": "Street1",
        "Street2": "",
        "City": "Owens Cross Roads", "State": "AL",
        "Zip": "35763",
        "Country": "USA", "Address": [
          {
            "Street1": "Street1", "Street2": "",
            "City": "Owens Cross Roads", "State": "AL",
```

```
        "Zip": "35763"
    }
]
    "PreviousName": [
        {
            "fname": "Appy",
            "lname": "Kid"
        }
    ],
    "PreviousAddress": [
        {
            "street1": "1402 Dariy Dr",
            "street2": "",
            "city": "Beaverton",
            "state": "OR",
            "postal_code": "97006"
        }
    ]
},
    "Guarantor": {
        "Title": "Mrs.",
        "FirstName": "Sharon",
        "MiddleName": "",
        "LastName": "Smith",
        "Relationship": "Wife",
        "Street1": "Street1",
        "Street2": "Street 2",
        "City": "Owens Cross Roads", "State": "AL",
        "Zip": "35763",
        "HomePhone": "7418529630",
        "WorkPhone": "2589637410",
        "MobilePhone": "9871236548"
    }
}
```

```
{
  "Type": "secondary",
  "Name": "Harleysville Ins. Co.",
  "CaseId": "20224",
  "CaseName": "Normal",
  "PolicyNumber": ""
}
```

4. Smoking Status

This call will provide data for CCDS category Smoking Status.

Endpoint:

{iDocURL}/IMWAPI/getClinicalData/smokingStatus

Request Data:

Sr.No.	Field Name	Data Type	Comments
1.	patientId*	Integer	Patient MRN in iMW
2.	accessToken*	String	

Sample JSON:

```
{
  "accessToken": "070092780051be165cc0de3bb5de2d9060623e22c13614ba3f7eaff6f746f218",
  "patientId": "67872"
}
```

Method:

POST

Response Data:

Following fields will be provided in response data:

Sr.No.	Field Name	Data Type
1.	smokeStatus	String
2.	smokeModifiedDate	String
3.	smokeStartDate	String
4.	smokeEndDate	String

Sample JSON:

```
{
  "Success": 1,
  "result": {
    "ClinicalData": {
      "SmokeStatus": [
        {
          "smokeStatus": "Current every day smoker (SNOMED-CT: 449868002)", "smokeModifiedDate":
            "2017-10-25",
          "smokeStartDate": "2015-06-22", "smokeEndDate":
            ""
        }
      ]
    }
  }
}
```

5. Problem List

This call will provide data for CCDS category Problems.

Endpoint:

{iDocURL}/IMWAPI/getClinicalData/problemList Request

Request Data:

Sr.No.	Field Name	Data Type	Comments
1.	patientId*	Integer	Patient MRN in iMW
2.	startDate	Date	Format: YYYY-MM-DD.
3.	endDate	Date	Format: YYYY-MM-DD
4.	accessToken*	String	

Date range filter will work only when both start and end date is given. If only the start date is provided, then it will pull data for the particular date only.

Sample JSON:

```
{
  "accessToken": "3acd14c87d7c537d6568efd62235577b0558363c716d09b6f79e90d15be480d6",
  "patientId": "72956",
  "startDate": "2011-10-05",
  "endDate": ""
}
```

Method:

POST

Response Data:

Following fields will be provided in response data:

Sr.No.	Field Name	Data Type
1.	ProblemID	Integer
2.	ProviderID	Integer
3.	ProblemName	String
4.	ProblemType	String
5.	Status	String
6.	OnsetDate	Date
7.	LastModifiedDate	String

Sample JSON:

```
{
  "Success": 1,
  "result": {
    "ClinicalData": {
      "ProblemList": [
        {
```

```
          "ProblemID": "121891",
          "ProviderID": "96",
          "ProblemName": "Essential hypertension",
          "ProblemType": "Disorder",
          "Status": "Active",
          "OnsetDate": "2011-10-05",
          "LastModifiedDate": "2017-10-25"
        }
      ]
    }
  }
}
```

6. Medications

This call will provide data for CCDS category Medications.

Endpoint:

{iDocURL}/IMWAPI/getClinicalData/medications Request

Data:

Sr.No.	Field Name	Data Type	Comments
1.	patientId*	Integer	Patient MRN in iMW
2.	startDate	Date	Format: YYYY-MM-DD.
3.	endDate	Date	Format: YYYY-MM-DD
4.	accessToken*	String	

Date range filter will work only when both start and end date is given. If only the start date is provided, then it will pull data for the particular date only.

Sample JSON:

```
{
  "accessToken": "3acd14c87d7c537d6568efd62235577b0558363c716d09b6f79e90d15be480d6",
  "patientId": "72956",
  "startDate": "",
  "endDate": ""
}
```

Method:

POST

Response Data:

Following fields will be provided in response data:

Sr.No.	Field Name	Data Type
1.	MedicationId	Integer
2.	Name	String
3.	MedicationType	String
4.	Strength	String
5.	BeginDate	Date
6.	EndDate	Date
7.	Comments	String
8.	Status	String
9.	LastModifiedDate	Date

Sample JSON:

```
{
  "Success": 1,
  "result": {
    "ClinicalData": {
      "Medications": [
        {
          "MedicationId": "177836",
          "Name": "Ceftriaxone 100MG/ML",
          "MedicationType": "Systemic",
          "Strength": "1 unit",
          "BeginDate": "2015-06-22",
          "EndDate": "2015-06-30",
          "Comments": "",
          "Status": "Active",
```

```
"LastModifiedDate": "2017-10-25"  
}  
]  
}  
}  
}
```

7. Allergies

This call will provide data for CCDS category Medication Allergies.

Endpoint:

{iDocURL}/IMWAPI/getClinicalData/allergies Request

Data:

Sr.No.	Field Name	Data Type	Comments
1.	patientId*	Integer	Patient MRN in iMW
2.	startDate	Date	Format: YYYY-MM-DD.
3.	endDate	Date	Format: YYYY-MM-DD
4.	accessToken*	String	

Date range filter will work only when both start and end date is given. If only the start date is provided, then it will pull data for the particular date only

Method:

POST

Response Data:

Following fields will be provided in response data:

Sr.No.	Field Name	Data Type
1.	AllergyID	Integer
2.	Name	String
3.	Code	Integer
4.	Severity	String
5.	Status	String
6.	OnSetDate	Date
7.	Comments	String
8.	AllergyType	String
9.	LastModifiedDate	Date

Sample JSON:

```
{
  "Success": 1,
  "result": {
    "ClinicalData": {
      "Allergies": [
        {
          "AllergyID": "15",
          "Name": "Ampicillin Sodium",
          "Code": "733",
          "Severity": 3,
          "Status": "Active",
          "OnSetDate": "2023-10-20",
          "Comments": "Hives",
          "AllergyType": "Drug",
          "LastModifiedDate": "2023-10-20"
        }
      ]
    }
  }
}
```

8. Lab Results

This call will provide data for CCDS categories Laboratory Tests and Laboratory Value(s)/Result(s).

Endpoint:

{iDocURL}/IMWAPI/getClinicalData/labResults Request

Request Data:

Sr.No.	Field Name	Data Type	Comments
1.	patientId*	Integer	Patient MRN in iMW
2.	startDate	Date	Format: YYYY-MM-DD.
3.	endDate	Date	Format: YYYY-MM-DD
4.	accessToken*	String	

Date range filter will work only when both start and end date is given. If only the start date is provided, then it will pull data for the particular date only.

Sample JSON:

```
{
  "accessToken": "3acd14c87d7c537d6568efd62235577b0558363c716d09b6f79e90d15be480d6",
  "patientId": "72956",
  "startDate": "2015-06-22",
  "endDate": ""
}
```

Method:

POST

Response Data:

Following fields will be provided in response data:

Sr.No.	Field Name	Data Type
1.	LabId	Integer
2.	LabTestName	String
3.	Code	String
4.	Date	Date
5.	CodeSystem	String
Lab Details		
6.	ContactName	String
7.	Phone	String
8.	Address	String
9.	City	String
10.	State	String
11.	Zip	String
Test Values		
12.	ResultCode	String
13.	Type	String
14.	Value	String
15.	RefRange	String
16.	Date	Date
17.	CodeSystem	String

Sample JSON:

```
{
  "Success": 1,
  "result": {
    "ClinicalData": {
      "LaboratoryTests": [
        {
          "LabId": "22",
          "LabTestName": "Urinalysis macro (dipstick) panel",
          "Code": "24357-6",
          "Date": "2015-06-22",
          "CodeSystem": "LOINC",
          "LabDetails": {
            "ContactName": "Value Labs - 2.16.840.1.113883.19.5",
            "Phone": "555-666-1002",
            "Address": "2474, Rocky place, Beaverton",
            "City": "Aloha",
            "State": "OR",
            "Zip": "97006"
          }
        },
        {
          "TestValues": [
            {
              "ResultCode": "5778-6",
              "Type": "Color of Urine",
              "Value": "YELLOW",
              "RefRange": "YELLOW ",
              "Date": "2015-06-22",
              "CodeSystem": "LOINC"
            }
          ]
        }
      ]
    }
  }
}
```

9. Vital Signs

This call will provide data for CCDS category Vital Signs.

Endpoint:

{iDocURL}/IMWAPI/getClinicalData/vitalSigns Request

Data:

Sr.No.	Field Name	Data Type	Comments
1.	patientId*	Integer	Patient MRN in iMW
2.	startDate	Date	Format: YYYY-MM-DD.
3.	endDate	Date	Format: YYYY-MM-DD
4.	accessToken*	String	

Date range filter will work only when both start and end date is given. If only the start date is provided, then it will pull data for the particular date only.

Sample JSON:

```
{
  "accessToken": "3acd14c87d7c537d6568efd62235577b0558363c716d09b6f79e90d15be480d6",
  "patientId": "72956",
```

```
  "startDate": "",
  "endDate": ""
}
```

Method:

POST

Response Data:

Following fields will be provided in response data:

Sr.No.	Field Name	Data Type
1.	RangeVital	Integer
2.	Unit	String
3.	vital_sign	String
4.	vital_sign_id	Date
5.	Date	String
6.	Code	Integer

Sample JSON:

```
{
  "Success": 1,
  "result": {
    "ClinicalData": {
      "VitalSigns": {
        "BPSystolic": [
          {
            "RangeVital": "135",
            "Unit": "mmHg",
            "vital_sign": "B/P - Systolic",
            "vital_sign_id": "1",
            "Date": "2023-10-20",
            "Code": "8480-6"
          }
        ]
      }
    }
  },
}
```

```
"BPDiaStolic": [
  {
    "RangeVital": "80",
    "Unit": "mmHg",
    "vital_sign": "B/P - Diastolic",
    "vital_sign_id": "2",
    "Date": "2023-10-20",
    "Code": "8462-4"
  }
],
"pulse": [
  {
    "RangeVital": "78",
    "Unit": "beats/minute",
    "vital_sign": "pulse",
    "vital_sign_id": "3",
    "Date": "2023-10-20",
    "Code": "8867-4"
  }
],
"Respiration": [
  {
    "RangeVital": "90",
    "Unit": "breaths/minute",
    "vital_sign": "Respiration",
    "vital_sign_id": "4",
    "Date": "2023-10-20",
    "Code": "9279-1"
  }
],
"O2Sat": [
```

```
"vital_sign": "O2Sat",
  "vital_sign_id": "5",
  "Date": "2023-10-20",
  "Code": "59408-5"
},
"Temperature": [
  {
    "RangeVital": "98",
    "Unit": "°C",
    "vital_sign": "Temperature",
    "vital_sign_id": "6",
    "Date": "2023-10-20",
    "Code": "8310-5"
  }
],
"BMI": [
  {
    "RangeVital": "22",
    "Unit": "kg/sqr. m",
    "vital_sign": "BMI",
    "vital_sign_id": "9",
    "Date": "2023-10-20",
    "Code": "39156-5"
  }
],
"Pain": [
  {
    "RangeVital": "1",
    "Unit": "",
    "vital_sign": "Pain",
    "vital_sign_id": "10",
    "Date": "2023-10-20",
```

```
"InhaleO2": [  
  {  
    "RangeVital": "34",  
    "Unit": "%",  
    "vital_sign": "InhaleO2",  
    "vital_sign_id": "11",  
    "Date": "2023-10-20",  
    "Code": "3150-0"  
  }  
],  
"BMIP": [  
  {  
    "RangeVital": "35",  
    "Unit": "%",  
    "vital_sign": "BMIP",  
    "vital_sign_id": "12",  
    "Date": "2023-10-20",  
    "Code": "59576-9"  
  }  
],  
"WLP": [  
  {  
    "RangeVital": "38",  
    "Unit": "%",  
    "vital_sign": "WLP",  
    "vital_sign_id": "13",  
    "Date": "2023-10-20",  
    "Code": "77606-2"  
  }  
],
```

```
"HCP": [  
  {  
    "RangeVital": "55",  
    "Unit": "%",  
    "vital_sign": "HCP",  
    "vital_sign_id": "14",  
    "Date": "2023-10-20",  
    "Code": "8289-1"  
  }  
]  
}  
}  
}
```

10. Surgeries

This call will provide data for CCDS category Procedures.

Endpoint:

{iDocURL}/IMWAPI/getClinicalData/surgeries **Request**

Data:

Sr.No.	Field Name	Data Type	Comments
1.	patientId*	Integer	Patient MRN in iMW
2.	startDate	Date	Format: YYYY-MM-DD.
3.	endDate	Date	Format: YYYY-MM-DD
4.	accessToken*	String	

Date range filter will work only when both start and end date is given. If only the start date is provided, then it will pull data for the particular date only.

Sample JSON:

```
{
  "accessToken": "3acd14c87d7c537d6568efd62235577b0558363c716d09b6f79e90d15be480d6",
  "patientId": "72956",
  "startDate": "",
  "endDate": ""
}
```

Method:

POST

Response Data:

Following fields will be provided in response data:

Sr.No.	Field Name	Data Type
1.	ProcedureID	Integer
2.	SurgeryName	String
3.	Site	String
4.	ProcedureType	String
5.	DateOfSurgery	String
6.	ReferredBy	Date
7.	SNOMED CT	String
8.	Comments	String
9.	LastModifiedDate	Date

Sample JSON:

```
{
  "Success": 1,
  "result": {
    "ClinicalData": {
      "Surgeries": [
        {
          "ProcedureID": "177866",
          "SurgeryName": "Introduction of cardiac pacemaker system via vein", "ProcedureType": "Systemic",
          "DateOfSurgery": "2011-10-05", "ReferredBy":
            "Davis, Albert", "SNOMEDCT":
              "175135009",
          "Comments": "", "Status":
            "completed",
          "LastModifiedDate": "2017-11-06"
        }
      ]
    }
  }
}
```

11. Care Team Members

This call will provide data for CCDS category Care Team Members.

Endpoint:

{iDocURL}/IMWAPI/[getCareTeamMembers](#) Request

Request Data:

Sr.No.	Field Name	Data Type	Comments
1.	patientId*	Integer	Patient MRN in iMW
2.	startDate	Date	Format: YYYY-MM-DD.
3.	endDate	Date	Format: YYYY-MM-DD
4.	accessToken*	String	

Start date is based on the DOS of the patient. This must be the value from the response of [getVisitDOS](#) API call. If the start DOS is not given, then this will pull data from the last DOS for the patient.

Sample JSON:

```
{
  "accessToken": "3acd14c87d7c537d6568efd62235577b0558363c716d09b6f79e90d15be480d6",
  "patientId": "72956",
  "startDate": "",
  "endDate": ""
}
```

Method:

POST

Response Data

Following fields will be provided in response data:

Sr.No.	Field Name	Data Type
1.	ID	Integer
2.	FirstName	String
3.	MiddleName	String
4.	LastName	String
5.	Role	String

Sr.No.	Field Name	Data Type
Address		
6.	Name	String
7.	Phone	String
8.	Street	String
9.	City	String
10.	State	String
11.	ZipCode	String

Sample JSON

```
{
  "Success": 1,
  "result": {
    "CareTeamMembers": [
      {
        "ID": "96",
        "FirstName": "Admin", "MiddleName":
          "", "LastName":
            "", "iMedicWare": "Role":
              "Primary Physician",
        "Address": {
          "Name": "Toms River",
          "Phone": "555-555-1002",
          "Street": "2472, Rocky place", "City":
            "Beverton",
          "State": "OR", "ZipCode": "97006"
        }
      }
    ]
  }
}
```

12. Immunizations

This call will provide data for CCDS category Immunizations.

Endpoint:

{iDocURL}/IMWAPI/getClinicalData/immunizations

Request Data:

Sr.No.	Field Name	Data Type	Comments
1.	patientId*	Integer	Patient MRN in iMW
2.	startDate	Date	Format: YYYY-MM-DD.
3.	endDate	Date	Format: YYYY-MM-DD
4.	accessToken*	String	

Date range filter will work only when both start and end date is given. If only start date is provided, then it will pull data for the particular date only.

Sample JSON:

```
{
  "accessToken": "3acd14c87d7c537d6568efd62235577b0558363c716d09b6f79e90d15be480d6",
  "patientId": "72956",
  "startDate": "",
  "endDate": ""
}
```

Method:

POST

Response Data:

Following fields will be provided in response data:

Sr.No.	Field Name	Data Type
1.	CvxCode	Integer
2.	Date	Date
3.	Status	String
4.	LotNumber	Integer
5.	Manufacturer	String

Sr.No.	Field Name	Data Type
6.	AdminNotes	String
7.	RefusalReason	String
8.	VaccineName	String

Sample JSON:

```
{
  "Success": 1,
  "result": {
    "ClinicalData": {
      "Immunizations": [
        {
          "CvxCode": "106",
          "Date": "2012-01-04",
          "Status": "Completed", "LotNumber": "2",
          "Manufacturer": "Immuno Inc.",
          "AdminNotes": "",
          "RefusalReason": "",
          "VaccineName": "Tetanus and diphtheria toxoids"
        }
      ]
    }
  }
}
```

11. Unique Device Identifier (UDI)

This call will provide data for CCDS category Unique Device Identifier(s) for a Patient's Implantable Device(s).

Endpoint:

{iDocURL}/IMWAPI/getClinicalData/udi

Request Data:

Sr.No.	Field Name	Data Type	Comments
1.	patientId*	Integer	Patient MRN in iMW
2.	startDate	Date	Format: YYYY-MM-DD.
3.	endDate	Date	Format: YYYY-MM-DD
4.	accessToken*	String	

Date range filter will work only when both start and end date is given. If only start date is provided, then it will pull data for the particular date only.

Sample JSON:

```
{
  "accessToken": "3acd14c87d7c537d6568efd62235577b0558363c716d09b6f79e90d15be480d6",
  "patientId": "72956",
  "startDate": "",
  "endDate": ""
}
```

Method:

POST

Response Data:

Following fields will be provided in response data:

Sr.No.	Field Name	Data Type
1.	DeviceNumber	Integer
2.	AssigningAuhtority	String
3.	Status	String
4.	Details	String
5.	SNOWMEDCT	String
6.	ImplantDate	String

Sample JSON:

```
{
  "Success": 1,

  "result": {
    "ClinicalData": {
      "UDI": [
        {
          "DeviceNumber": "(01)00643169007222(17)160128(21)BLC200461H",
          "AssigningAuthority": "FDA",
          "Status": "Select",
          "Details": "A sterile, implantable, battery-powered device consisting of a hermetically
-sealed pacing pulse generator.",
          "SNOWMEDCT": "",
          "ImplantDate": null
        }
      ]
    }
  }
}
```

12. Assessment Plan

This call will provide data for CCDS category Assessment and Plan of Treatment.

Endpoint:

{iDocURL}/IMWAPI/[getClinicalData/assessmentPlan](#)

Request Data:

Sr.No.	Field Name	Data Type	Comments
1.	patientId*	Integer	Patient MRN in iMW
2.	startDate	Date	Format: YYYY-MM-DD.
3.	endDate	Date	Format: YYYY-MM-DD
4.	accessToken*	String	

The Start date is based on the DOS of the patient. This must be the value from the response of [getVisitDOS](#) API call. If the start DOS is not given, then this will pull data from the last DOS for the patient.

Sample JSON:

```
{
  "accessToken": "3acd14c87d7c537d6568efd62235577b0558363c716d09b6f79e90d15be480d6",
  "patientId": "72956",
  "startDate": "",
  "endDate": ""
}
```

Method:

POST

Response Data:

Following fields will be provided in response data:

Sr.No.	Field Name	Data Type
1.	Assessment	String
2.	Plans	String

Sample JSON:

```
{
  "Success": 1,
  "result": {
    "ClinicalData": {
      "AssessmentPlan": {
        "2015-06-22": [
          {
            "Assessment": "The patient was found to have fever", "Plans": "i. Get
              an EKG done on 6/23/2015."
          }
        ]
      }
    }
  }
}
```

14. Patient Goals

This call will provide data for CCDS category Goals.

Endpoint:

{iDocURL}/IMWAPI/getClinicalData/patientGoals

Request Data:

Sr.No.	Field Name	Data Type	Comments
1.	patientId*	Integer	Patient MRN in iMW
2.	startDate	Date	Format: YYYY-MM-DD.
3.	endDate	Date	Format: YYYY-MM-DD
4.	accessToken*	String	

Date range filter will work only when both start and end date is given. If only the start date is provided, then it will pull data for the particular date only.

Sample JSON:

```
{
  "accessToken": "3acd14c87d7c537d6568efd62235577b0558363c716d09b6f79e90d15be480d6",
  "patientid": "72956",
  "startDate": "",
  "endDate": ""
}
```

Method:

POST

Response Data:

Following fields will be provided in response data:

Sr.No.	Field Name	Data Type
1.	Goal	String
2.	Value	String
3.	Date	Date

Sample JSON:

```
{
  "Success": 1,
  "result": {
    "ClinicalData": {
      "Goals": [
        {
          "Goal": "Get rid of intermittent fever that is occurring every few weeks.", "Value": "",
          "Date": "0000-00-00"
        }
      ]
    }
  }
}
```

14. Health Concerns

This call will provide data for CCDS category Health Concerns.

Endpoint:

{iDocURL}/IMWAPI/getClinicalData/healthConcerns Request

Request Data:

Sr.No.	Field Name	Data Type	Comments
1.	patientId*	Integer	Patient MRN in iMW
2.	startDate	Date	Format: YYYY-MM-DD.
3.	endDate	Date	Format: YYYY-MM-DD
4.	accessToken*	String	

Date range filter will work only when both start and end date is given. If only the start date is provided, then it will pull data for the particular date only.

Sample JSON:

```
{
  "accessToken": "3acd14c87d7c537d6568efd62235577b0558363c716d09b6f79e90d15be480d6",
  "patientId": "72956",
  "startDate": "",
  "endDate": ""
}
```

Method:

POST

Response Data:

Following fields will be provided in response data:

Sr.No.	Field Name	Data Type
1.	ObservationId	String
2.	Name	String
3.	Code	String
4.	Date	Date
Concerns		
5.	Id	Integer
6.	Name	String
7.	Status	String
8.	Date	Date

Sample JSON:

```
{
  "Success": 1,
  "result": {
    "ClinicalData": [
      {
        "ObservationId": "6",
        "Name": "HealthCare Concerns refer to underlying clinical facts",
        "Code": "",
        "Date": "2015-06-22",
        "Concerns": [
```

```
{
  {
    "Id": "11",
    "Name": "Documented HyperTension problem",
    "Status": "Active",
    "Date": ""
  }
}
}
```

15. Consultation Notes

This call will provide data for CCDS category Clinical Notes.

Endpoint:

{iDocURL}/IMWAPI/[getClinicalData/consultationNotes](#)

Request Data:

Sr.No.	Field Name	Data Type	Comments
1.	patientId*	Integer	Patient MRN in iMW
2.	startDate	Date	Format: YYYY-MM-DD.
3.	endDate	Date	Format: YYYY-MM-DD
4.	accessToken*	String	

Date range filter will work only when both start and end date is given. If only the start date is provided, then it will pull data for the particular date only.

Sample JSON:

```
{  
  "accessToken": "3acd14c87d7c537d6568efd62235577b0558363c716d09b6f79e90d15be480d6",  
  "patientId": "1",  
  "startDate": "",  
  "endDate": ""  
}
```

Method:

POST

Response Data:

```
{
  "Success": 1,
  "result": {
    "ClinicalData": {
      "ConsultationNotes": {
        "2022-12-20": [
          {
            "ID": "1",
            "DateOfService": "2022-12-20",
            "ConsultationNotes": "Documentation to Support Medical  
Necessity Cataract Procedure PATIENT NAME: IMW Doe the patient may  
require cataract extraction to achieve an unimpeded view of the  
fundus to properly manage posterior segment diseases. The patient can  
no longer function adequately with their current visual function.  
Significant improvement of visual function can be expected from  
cataract extraction and the patient has been educated about the risk  
and benefits of cataract surgery and the alternatives to surgery such  
as avoidance of glare and optimal eyeglass prescription. Date:  
04-13-2018 Licensed Practitioner Signature"
          }
        ]
      }
    }
  }
}
```

16. Procedure Notes

This call will provide data for CCDS category Clinical Notes.

Endpoint:

{iDocURL}/IMWAPI/[getClinicalData/procedureNotes](#)

Request Data:

Sr.No.	Field Name	Data Type	Comments
1.	patientId*	Integer	Patient MRN in iMW
2.	startDate	Date	Format: YYYY-MM-DD.
3.	endDate	Date	Format: YYYY-MM-DD
4.	accessToken*	String	

Date range filter will work only when both start and end date is given. If only the start date is provided, then it will pull data for the particular date only.

Sample JSON:

```
{
  "accessToken": "3acd14c87d7c537d6568efd62235577b0558363c716d09b6f79e90d15be480d6",
  "patientId": "1",
  "startDate": "",
  "endDate": ""
}
```

Method:

POST

Response Data:

```
{
  "Success": 1,
  "result": {
    "ClinicalData": {
      "ProcedureNotes": {
        "2023-10-19 10:09:04": [
          {
            "ID": "17",
            "DateOfService": "2023-10-19 10:09:04",
            "ProcedureNotes": "Superficial Keratectomy right eye PROCEDURE: Superficial Keratectomy  
The risks, benefits, alternatives, complications, and procedure of superficial keratectomy were discussed  
and understood, all questions were answered and informed consent was given. Antibiotic and tetracaine  
drops were instilled in the eye and an eyelid speculum was placed. The corneal epithelium was then  
scraped off using a 64 Beaver blade. The basement membrane was vigorously scraped with the blade  
until smooth. A bandage contact lens was placed, more antibiotic drops were instilled, and the eyelid  
speculum was removed."
          }
        ]
      }
    }
  }
}
```

17. Progress Notes

This call will provide data for CCDS category Clinical Notes.

Endpoint:

{iDocURL}/IMWAPI/getClinicalData/progressNotes

Request Data:

Sr.No.	Field Name	Data Type	Comments
1.	patientId*	Integer	Patient MRN in iMW
2.	startDate	Date	Format: YYYY-MM-DD.
3.	endDate	Date	Format: YYYY-MM-DD

4.	accessToken*	String	
----	--------------	--------	--

Date range filter will work only when both start and end date is given. If only the start date is provided, then it will pull data for the particular date only.

Sample JSON:

```
{
  "accessToken": "3acd14c87d7c537d6568efd62235577b0558363c716d09b6f79e90d15be480d6",
  "patientId": "1",
  "startDate": "",
  "endDate": ""
}
```

Method:

POST

Response Data:

```
{
  "Success": 1,
  "result": {
    "ClinicalData": {
      "ProgressNotes": {
        "2023-10-19": [
          {
            "ID": "21",
            "DateOfService": "2023-10-19",
            "ProgressNotes": "progress notes are a format clinicians use to document the details of every session. They focus on the client's condition coming in, as well as what transpired during the clinician's interaction with the client."
          }
        ]
      }
    }
  }
}
```

18 History and Physical

This call will provide data for CCDS category Clinical Notes.

Endpoint:

{iDocURL}/IMWAPI/getClinicalData/historyAndPhysical

Request Data:

Sr.No.	Field Name	Data Type	Comments
1.	patientId*	Integer	Patient MRN in iMW
2.	startDate	Date	Format: YYYY-MM-DD.
3.	endDate	Date	Format: YYYY-MM-DD
4.	accessToken*	String	

Date range filter will work only when both start and end date is given. If only start date is provided, then it will pull data for the particular date only.

Sample JSON:

```
{
  "accessToken": "3acd14c87d7c537d6568efd62235577b0558363c716d09b6f79e90d15be480d6",
  "patientId": "1",
  "startDate": "",
  "endDate": ""
}
```

Method:

POST

Response Data:

```
{
  "Success": 1,
  "result": {
    "ClinicalData": {
      "HistoryAndPhysical": {
        "2023-10-19 11:45:33": [
          {
            "ID": "1",
            "HistoryAndPhysical": "Advance Directive:Power of Attorney  
CAD/MIN(W/ WO Stent OR CABG)/PVD Yes Description CAD/MIN(W/ WO Stent OR  
CABG)/PVD) Heart Exam done with stethoscope - Normal Yes",
            "DateOfService": "2023-10-19 11:45:33"
          }
        ]
      }
    }
  }
}
```

19. Laboratory Report Narrative

This call will provide data for CCDS category Clinical Notes.

Endpoint:

{iDocURL}/IMWAPI/getClinicalData/laboratoryReportNarrative

Request Data:

Sr.No.	Field Name	Data Type	Comments
1.	patientId*	Integer	Patient MRN in iMW
2.	startDate	Date	Format: YYYY-MM-DD.
3.	endDate	Date	Format: YYYY-MM-DD
4.	accessToken*	String	

Date range filter will work only when both start and end date is given. If only the start date is provided, then it will pull data for the particular date only.

Sample JSON:

```
{
  "accessToken": "3acd14c87d7c537d6568efd62235577b0558363c716d09b6f79e90d15be480d6",
  "patientId": "1",
  "startDate": "",
  "endDate": ""
}
```

Method:

POST

Response Data:

```
{
  "Success": 1,
  "result": {
    "ClinicalData": {
      "LaboratoryReportNarrative": {
        "2023-10-20": [
          {
            "ID": "4",
            "DateOfService": "2023-10-20",
            "LabNotes": "IMW Doe was tested for the Urinalysis macro panel and the results have been found to be normal"
          }
        ]
      }
    }
  }
}
```

20. Pathology Report Narrative

This call will provide data for CCDS category Clinical Notes.

Endpoint:

{iDocURL}/IMWAPI/getClinicalData/pathologyReportNarrative

Request Data:

Sr.No.	Field Name	Data Type	Comments
1.	patientId*	Integer	Patient MRN in iMW
2.	startDate	Date	Format: YYYY-MM-DD.
3.	endDate	Date	Format: YYYY-MM-DD
4.	accessToken*	String	

Date range filter will work only when both start and end date is given. If only start date is provided, then it will pull data for the particular date only.

Sample JSON:

```
{
  "accessToken": "3acd14c87d7c537d6568efd62235577b0558363c716d09b6f79e90d15be480d6",
  "patientId": "1",
  "startDate": "",
  "endDate": ""
}
```

Method:

POST

Response Data:

```
{
  "Success": 1,
  "result": {
    "ClinicalData": {
      "PathologyStudyNarrative": {
        "2023-10-20": [
          {
            "ID": "5",
            "DateOfService": "2023-10-20",
            "PathologyStudy": "A pathologist is a physician specializing in the diagnosis of disease based on examination of tissues and fluids removed from the body."
          }
        ]
      }
    }
  }
}
```

21. Imaging Narrative

This call will provide data for CCDS category Clinical Notes.

Endpoint:

{iDocURL}/IMWAPI/[getClinicalData/imagingNarrative](#)

Request Data:

Sr.No.	Field Name	Data Type	Comments
1.	patientId*	Integer	Patient MRN in iMW
2.	StartDate	Date	Format: YYYY-MM-DD.
3.	EndDate	Date	Format: YYYY-MM-DD
4.	accessToken*	String	

Date range filter will work only when both start and end date is given. If only

the start date is provided, then it will pull data for the particular date only.

Sample JSON:

```
{
  "accessToken": "3acd14c87d7c537d6568efd62235577b0558363c716d09b6f79e90d15be480d6",
  "patientId": "1",
  "startDate": "",
  "endDate": ""
}
```

Method:

POST

Response Data:

```
{
  "Success": 1,
  "result": {
    "ClinicalData": {
      "ImagingNarrative": {
        "2023-10-20": [
          {
            "ID": "1",
            "DateOfService": "2023-10-20",
            "ImagingNotes": "Lungs are not clear, cannot rule out Anemia. Other tests are required to determine the presence or absence of Anemia."
          }
        ]
      }
    }
  }
}
```

22. Discharge Summary Notes

This call will provide data for CCDS category Clinical Notes.

Endpoint:

{iDocURL}/IMWAPI/getClinicalData/dischargeSummaryNotes

Request Data:

Sr.No.	Field Name	Data Type	Comments
1.	patientId*	Integer	Patient MRN in iMW
2.	startDate	Date	Format: YYYY-MM-DD.
3.	endDate	Date	Format: YYYY-MM-DD
4.	accessToken*	String	

Date range filter will work only when both start and end date is given. If only start date is provided, then it will pull data for the particular date only.

Sample JSON:

```
{
  "accessToken": "3acd14c87d7c537d6568efd62235577b0558363c716d09b6f79e90d15be480d6",
  "patientId": "1",
  "startDate": "",
  "endDate": ""
}
```

Method:

POST

Response Data:

```
{
  "Success": 1,
  "result": {
    "ClinicalData": {
      "DischargeSummary": {
        "2023-10-19": [
          {
            "ID": "1",
            "DateOfService": "2023-10-19",
            "DischargeSummary": "If there is fever greater than 101.5 F or onset of chest pain/shortness of breath the patient is advised to contact emergency."
          }
        ]
      }
    }
  }
}
```

23 Visit DOS

This call will list all DOS for the patient id supplied.

Endpoint:

{iDocURL}/IMWAPI/[getVisitDOS](#)

Request Data:

Sr.No.	Field Name	Data Type	Comments
1.	patientId*	Integer	Patient MRN in iMW
2.	accessToken*	String	

Sample JSON:

```
{
  "accessToken": "3acd14c87d7c537d6568efd62235577b0558363c716d09b6f79e90d15be480d6",
  "patientId": "72956",
}
```

Method:

POST

Response Data:

This API call will provide an array of visit dates for the patient.

Sample JSON:

```
{
  "Success": 1,
  "result": {
    "VisitDOS": [
      "2015-06-22"
    ]
  }
}
```

24. CCDA

This call will provide XML for the patient's CCD.

Endpoint:

{iDocURL}/IMWAPI/getVisitDOS

Request Data:

Sr.No.	Field Name	Data Type	Comments
1.	patientId*	Integer	Patient MRN in iMW
2.	dateOfService	Date	
3.	startDate	Date	
4.	endDate	Date	

5.	accessToken*	String	
----	--------------	--------	--

Sample JSON

```
{  
  "accessToken": "834af16d799dd5828b84d7e61c86146e49f362c423eca121e32e73b78a5f6918",  
  "patientId": "72956",  
  "dateOfService": "2015-06-22", "startDate":  
    "",  
  "endDate": ""  
}
```

Method:

POST

Response Data:

XML CCD data for the patient.

Sample JSON:

```
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/xsl" href="CDA.xsl"?>
<!--
    Title: Continuity of Care Document (CCD).
-->
<ClinicalDocument xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="urn:h17-org:v3" xmlns:voc="urn:h17-org:v3/voc" xmlns:sdtc="urn:h17-org:sdtc">
  <realmCode code="US"/>
  <typeId extension="POCD_HD000040" root="2.16.840.1.113883.1.3"/>
  <!-- indicates conformance with US Realm Clinical Document Header template -->
  <templateId root="2.16.840.1.113883.10.20.22.1.1" extension="2015-08-01"/>
  <templateId root="2.16.840.1.113883.10.20.22.1.1"/>
  <!-- conforms to CCD Template(V2) ID requirements -->
  <templateId root="2.16.840.1.113883.10.20.22.1.2" extension="2015-08-01"/>
  <templateId root="2.16.840.1.113883.10.20.22.1.2"/>
  <!-- UNIQUE DOCUMENT IDENTIFIER -->
  <!-- <id extension="Test CCDA" root="1.1.1.1.1.1.1.1"/> -->
  <id extension="TT660" root="2.16.840.1.113883.19.5.99999.1"/>
  <code code="34133-9" displayName="Summarization of patient data"
codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"/>
  <title>HEALTH HISTORY & PHYSICAL</title>
  <effectiveTime value="20231020124338-0400"/>
  <confidentialityCode code="N" codeSystem="2.16.840.1.113883.5.25"/>
  <languageCode code="en-US"/>
  <recordTarget>
    <patientRole>
      <id root="idoc-mrn" extension="6"/>
      <addr use="HP">
        <streetAddressLine>1357 Amber Drive</streetAddressLine>
        <streetAddressLine nullFlavor="NI"/>
```

```
<city>Beaverton</city>
<state>OR</state>
<postalCode>97006</postalCode>
<country>US</country>
</addr>
<!--Cures Update Previous address-->
<!--Cures Update Previous address-->
<addr use="H">
  <streetAddressLine nullFlavor="UNK"/>
  <city nullFlavor="UNK"/>
  <state nullFlavor="UNK"/>
  <postalCode nullFlavor="UNK"/>
  <country nullFlavor="UNK"/>
</addr>
<telecom value="tel:+1555-723-1544" use="HP"/>
<telecom value="tel:+1555-777-1234" use="MC"/>
<patient>
  <name>
    <given qualifier="CL">Alice</given>
    <given>Jones</given>
    <family>Newman</family>
    <suffix nullFlavor="UNK"/>
  </name>
  <!--Cures Update Previous Name-->
  <name use="L">
    <given>Alicia</given>
    <family>Newman</family>
  </name>
  <administrativeGenderCode code="F" codeSystem="2.16.840.1.113883.5.1"
displayName="Female" codeSystemName="AdministrativeGender"/>
  <birthTime value="19700501"/>
  <maritalStatusCode nullFlavor="UNK"/>
  <raceCode code="2106-3" displayName="European"
codeSystem="2.16.840.1.113883.6.238" codeSystemName="CDCREC"/>
  <sdtc:raceCode code="2108-9" displayName="White European"
codeSystem="2.16.840.1.113883.6.238" codeSystemName="CDCREC"/>
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codeSystem="2.16.840.1.113883.6.238" codeSystemName="CDCREC"/>
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  <modeCode code="ESP" displayName="Expressed spoken"
codeSystem="2.16.840.1.113883.5.60" codeSystemName="LanguageAbilityMode"/>
  <proficiencyLevelCode code="G" displayName="Good" codeSystem="2.16.840.1.113883.5.61"
codeSystemName="LanguageAbilityProficiency"/>
  <preferenceInd value="true"/>
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</patient>
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  <id root="1.1.1.1.1.1.1.1.4"/>
  <name>IMW Facility Demo</name>
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    <city>Freehold</city>
    <state>NJ</state>
    <postalCode>07728</postalCode>
    <country>US</country>
  </addr>
</providerOrganization>
</patientRole>
</recordTarget>
<!-- The author represents the person who provides the content in the document -->
<author>
  <time value="20231020124338-0400"/>
  <assignedAuthor>
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      <streetAddressLine>64 E. Main St</streetAddressLine>
      <city>Freehold</city>
      <state>NJ</state>
      <postalCode>07728</postalCode>
      <country>US</country>
    </addr>
    <telecom use="WP" value="tel:+1-732-817-9475"/>
    <assignedPerson>
```

```
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  <given qualifier="CL">ecl</given>
  <family>access</family>
</name>
</assignedPerson>
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  <id root="78A150ED-B890-49dc-B716-5EC0027B3982"/>
  <name>IMW Facility Demo</name>
  <telecom use="WP" value="tel:+1-732-817-9475"/>
  <addr use="WP">
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    <state>NJ</state>
    <postalCode>07728</postalCode>
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</representedOrganization>
</assignedAuthor>
</author>
<!-- The dataEnterer transferred the content created by the author into the document
-->
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      <city>Freehold</city>
      <state>NJ</state>
      <postalCode>07728</postalCode>
      <country>US</country>
    </addr>
    <telecom use="WP" value="tel:+1-732-817-9475"/>
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    <name>
      <given>ecl</given>
      <family>access</family>
    </name>
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</assignedPerson>
</assignedEntity>
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      <telecom use="WP" value="tel:+1-732-817-9475"/>
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        <given nullFlavor="UNK"/>
        <family nullFlavor="UNK"/>
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  <signatureCode code="S"/>
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  <telecom use="WP" value="tel:+1-732-817-9475"/>
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    <name>
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      <family>iMedicWare</family>
    </name>
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  <serviceEvent classCode="PCPR">
    <effectiveTime>
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      <high value="20231020124338-0400"/>
    </effectiveTime>
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      <functionCode code="PCP" codeSystem="2.16.840.1.113883.5.88"
codeSystemName="ParticipationFunction" displayName="Primary Care Provider">
        <originalText>Primary Care Provider</originalText>
      </functionCode>
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        <!-- <code code="207QA0505X" displayName="Adult Medicine"
codeSystem="2.16.840.1.113883.6.101" codeSystemName="Healthcare Provider Taxonomy
(HIPAA)"/> -->
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          <state>NJ</state>
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<postalCode>07728</postalCode>
<country>US</country>
</addr>
<telecom use="WP" value="tel:+1-732-817-9475"/>
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  <name>
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    <family>access</family>
  </name>
</assignedPerson>
<representedOrganization>
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  <name>IMW Facility Demo</name>
  <addr>
    <streetAddressLine>64 E. Main St</streetAddressLine>
    <city>Freehold</city>
    <state>NJ</state>
    <postalCode>07728</postalCode>
    <country>US</country>
  </addr>
</representedOrganization>
</assignedEntity>
</performer>
</serviceEvent>
</documentationOf>
<component>
  <structuredBody>
    <!-- SOCIAL HISTORY SECTION -->
    <component>
      <section>
        <templateId root="2.16.840.1.113883.10.20.22.2.17" extension="2015-08-01"/>
        <templateId root="2.16.840.1.113883.10.20.22.2.17"/>
        <code code="29762-2" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="Social History"/>
        <title>SOCIAL HISTORY</title>
        <text>No Social History Information</text>
      </section>
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</component>

<!-- MEDICATIONS SECTION -->

<component>

  <section>

    <templateId root="2.16.840.1.113883.10.20.22.2.1.1" extension="2014-06-09"/>
    <templateId root="2.16.840.1.113883.10.20.22.2.1.1"/>
    <code code="10160-0" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="History of medications"/>
    <title>MEDICATIONS</title>
    <text>
      <table border="1" width="100%">
        <thead>
          <tr>
            <th>Medication</th>
            <th>Start Date</th>
            <th>End Date</th>
            <th>Route</th>
            <th>Dose</th>
            <th>Frequency</th>
          </tr>
        </thead>
        <tbody>
          <tr>
            <td>
              <content ID="Med16">Ceftriaxone 250MG/ML [RxNorm: 309090]</content>
            </td>
            <td>Jun 22,2015</td>
            <td>Jun 30,2015</td>
            <td ID="MEDROUTE16">Intravenous</td>
            <td ID="MEDFORM16">250 </td>
            <td ID="Instruct16"/>
          </tr>
          <tr>
            <td>
              <content ID="Med18">Darbepoetin Alfa 0.5 MG/ML [RxNorm:
731184]</content>
            </td>
            <td></td>
            <td></td>
            <td></td>
            <td></td>
            <td></td>
          </tr>
        </tbody>
      </table>
    </text>
  </section>
</component>
```

```

        <td>Jun 22,2015</td>
        <td/>
        <td ID="MEDROUTE18">Intravenous</td>
        <td ID="MEDFORM18">0.5 </td>
        <td ID="Instruct18"/>
      </tr>
      <tr>
        <td>
          <content ID="Med17">Tylenol 500mg [RxNorm: 209459]</content>
        </td>
        <td>Jun 22,2012</td>
        <td>Jul 01,2015</td>
        <td ID="MEDROUTE17">Oral</td>
        <td ID="MEDFORM17">1 </td>
        <td ID="Instruct17"/>
      </tr>
    </tbody>
  </table>
</text>
<entry typeCode="DRIV">
  <substanceAdministration classCode="SBADM" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.22.4.16"
extension="2014-06-09"/>
    <templateId root="2.16.840.1.113883.10.20.22.4.16"/>
    <id root="cdbc33f0-6cde-11db-9fe1-0800200c9a66" extension="Med16"/>
    <text><reference value="#Med16"/>Ceftriaxone 250MG/ML [RxNorm:
309090]</text>
    <statusCode code="completed"/>
    <effectiveTime xsi:type="IVL_TS">
      <low value="20150622"/>
      <high value="20150630"/>
    </effectiveTime>
    <routeCode code="C38276" codeSystem="2.16.840.1.113883.3.26.1.1"
codeSystemName="National Cancer Institute (NCI) Thesaurus" displayName="Intravenous"/>
    <doseQuantity nullFlavor="NI"/>
    <consumable>
      <manufacturedProduct classCode="MANU">
        <templateId root="2.16.840.1.113883.10.20.22.4.23"

```

```
extension="2014-06-09"/>
    <templateId root="2.16.840.1.113883.10.20.22.4.23"/>
    <manufacturedMaterial>
        <code code="309090" codeSystem="2.16.840.1.113883.6.88"
codeSystemName="RxNorm" displayName="Ceftriaxone 250MG/ML "/>
    </manufacturedMaterial>
    </manufacturedProduct>
</consumable>
</substanceAdministration>
</entry>
<entry typeCode="DRIV">
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        <templateId root="2.16.840.1.113883.10.20.22.4.16"
extension="2014-06-09"/>
        <templateId root="2.16.840.1.113883.10.20.22.4.16"/>
        <id root="cdbc33f0-6cde-11db-9fe1-0800200c9a66" extension="Med18"/>
        <text><reference value="#Med18"/>Darbepoetin Alfa 0.5 MG/ML [RxNorm:
731184]</text>
        <statusCode code="completed"/>
        <effectiveTime xsi:type="IVL_TS">
            <low value="20150622"/>
            <high nullFlavor="NI"/>
        </effectiveTime>
        <routeCode code="C38276" codeSystem="2.16.840.1.113883.3.26.1.1"
codeSystemName="National Cancer Institute (NCI) Thesaurus" displayName="Intravenous"/>
        <doseQuantity nullFlavor="NI"/>
        <consumable>
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                <templateId root="2.16.840.1.113883.10.20.22.4.23"
extension="2014-06-09"/>
                <templateId root="2.16.840.1.113883.10.20.22.4.23"/>
                <manufacturedMaterial>
                    <code code="731184" codeSystem="2.16.840.1.113883.6.88"
codeSystemName="RxNorm" displayName="Darbepoetin Alfa 0.5 MG/ML"/>
                </manufacturedMaterial>
            </manufacturedProduct>
        </consumable>
    </substanceAdministration>
</entry>
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    <entry typeCode="DRIV">
      <substanceAdministration classCode="SBADM" moodCode="EVN">
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extension="2014-06-09"/>
        <templateId root="2.16.840.1.113883.10.20.22.4.16"/>
        <id root="cbbd33f0-6cde-11db-9fe1-0800200c9a66" extension="Med17"/>
        <text><reference value="#Med17"/>Tylenol 500mg    [RxNorm: 209459]</text>
        <statusCode code="completed"/>
        <effectiveTime xsi:type="IVL_TS">
          <low value="20120622"/>
          <high value="20150701"/>
        </effectiveTime>
        <routeCode code="C38288" codeSystem="2.16.840.1.113883.3.26.1.1"
codeSystemName="National Cancer Institute (NCI) Thesaurus" displayName="Oral"/>
        <doseQuantity nullFlavor="NI"/>
        <consumable>
          <manufacturedProduct classCode="MANU">
            <templateId root="2.16.840.1.113883.10.20.22.4.23"
extension="2014-06-09"/>
            <templateId root="2.16.840.1.113883.10.20.22.4.23"/>
            <manufacturedMaterial>
              <code code="209459" codeSystem="2.16.840.1.113883.6.88"
codeSystemName="RxNorm" displayName="Tylenol 500mg"/>
            </manufacturedMaterial>
          </manufacturedProduct>
        </consumable>
      </substanceAdministration>
    </entry>
  </section>
</component>
<!-- ALLERGIES SECTION -->
<component>
  <section>
    <templateId root="2.16.840.1.113883.10.20.22.2.6.1" extension="2015-08-01"/>
    <templateId root="2.16.840.1.113883.10.20.22.2.6.1"/>
    <code code="48765-2" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="History of allergies"/>
    <title>ALLERGIES & REACTIONS</title>

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```
<text>
  <table border="1" width="100%">
    <thead>
      <tr>
        <th>Type</th>
        <th>Substance</th>
        <th>Begin Date</th>
        <th>Reactions</th>
        <th>Severity</th>
        <th>Status</th>
      </tr>
    </thead>
    <tbody>
      <tr ID="ALGSUMMARY_19">
        <td ID="ALGTYPE_19">Drug allergy (disorder)</td>
        <td ID="ALGSUB_19">Penicillin G benzathine</td>
        <td ID="ALGBEGIN_19">May 01,2007</td>
        <td ID="ALGREACT_19">Hives</td>
        <td ID="ALGRESEV_19">Moderate</td>
        <td ID="ALGSTATUS_19">Completed</td>
      </tr>
      <tr ID="ALGSUMMARY_20">
        <td ID="ALGTYPE_20">Drug allergy (disorder)</td>
        <td ID="ALGSUB_20">Ampicillin Sodium</td>
        <td ID="ALGBEGIN_20">May 01,2007</td>
        <td ID="ALGREACT_20">Hives</td>
        <td ID="ALGRESEV_20">Moderate</td>
        <td ID="ALGSTATUS_20">Completed</td>
      </tr>
    </tbody>
  </table>
</text>
<entry typeCode="DRIV">
  <act classCode="ACT" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.22.4.30"
extension="2015-08-01"/>
    <templateId root="2.16.840.1.113883.10.20.22.4.30"/>
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```
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<!-- Allergy Problem Act template -->
<code code="CONC" codeSystem="2.16.840.1.113883.5.6"/>
<statusCode code="active"/>
<effectiveTime>
  <low value="20070501"/>
</effectiveTime>
<entryRelationship typeCode="SUBJ">
  <observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.22.4.7"
extension="2014-06-09"/>
    <templateId root="2.16.840.1.113883.10.20.22.4.7"/>
    <id root="4adc1020-7b14-11db-9fe1-0800200c9a66"
extension="ALGSUB_19"/>
    <!-- Allergy - intolerance observation template -->
    <code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4"/>
    <statusCode code="completed"/>
    <effectiveTime>
      <low value="20070501"/>
    </effectiveTime>
    <value xsi:type="CD" code="416098002" displayName="Drug allergy
(disorder)" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT">
      <originalText><reference value="#ALGSUB_19"/>Penicillin G
benzathine</originalText>
    </value>
    <participant typeCode="CSM">
      <participantRole classCode="MANU">
        <playingEntity classCode="MMAT">
          <code code="7980" displayName="Penicillin G benzathine"
codeSystem="2.16.840.1.113883.6.88" codeSystemName="RxNorm">
            <originalText>
              <reference value="#ALGSUB_19"/>
            </originalText>
          </code>
        </playingEntity>
      </participantRole>
    </participant>
  </entryRelationship typeCode="SUBJ" inversionInd="true">
```

```
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  <templateId root="2.16.840.1.113883.10.20.22.4.28"
extension="2014-06-09"/>
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codeSystemName="LOINC" displayName="Status"/>
  <statusCode code="completed"/>
  <value xsi:type="CE" code="55561003"
codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED-CT" displayName="Completed"/>
</observation>
</entryRelationship>
<entryRelationship typeCode="MFST" inversionInd="true">
  <observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.22.4.9"
extension="2017-09-15"/>
    <templateId root="2.16.840.1.113883.10.20.22.4.9"/>
    <id root="4a2ac5fc-0c85-4223-baee-c2e254803112"/>
    <code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4"/>
    <text><reference value="#ALGREACT_19"/>Hives
      </text>
    <statusCode code="completed"/>
    <value xsi:type="CD" code="247472004"
codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Hives"/>
    <entryRelationship typeCode="SUBJ" inversionInd="true">
      <observation classCode="OBS" moodCode="EVN">
        <!--Severity Observation (V2)-->
        <templateId root="2.16.840.1.113883.10.20.22.4.8"
extension="2014-06-09"/>
        <templateId root="2.16.840.1.113883.10.20.22.4.8"/>
        <code code="SEV" displayName="Severity Observation"
codeSystem="2.16.840.1.113883.5.4" codeSystemName="ActCode"/>
        <text>
          <reference value="#ALGRESEV_19"/>
        </text>
        <statusCode code="completed"/>
        <value xsi:type="CD" code="6736007" displayName="Moderate"
codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED-CT"/>
      </observation>
    </entryRelationship>
  </observation>
```

```

        </entryRelationship>
      </observation>
    </entryRelationship>
  </act>
</entry>
<entry typeCode="DRIV">
  <act classCode="ACT" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.22.4.30"
extension="2015-08-01"/>
    <templateId root="2.16.840.1.113883.10.20.22.4.30"/>
    <id root="4a2ac5fc-0c85-4223-baee-c2e254803113"/>
    <!-- Allergy Problem Act template -->
    <code code="CONC" codeSystem="2.16.840.1.113883.5.6"/>
    <statusCode code="active"/>
    <effectiveTime>
      <low value="20070501"/>
    </effectiveTime>
    <entryRelationship typeCode="SUBJ">
      <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.22.4.7"
extension="2014-06-09"/>
        <templateId root="2.16.840.1.113883.10.20.22.4.7"/>
        <id root="4adc1020-7b14-11db-9fe1-0800200c9a66"
extension="ALGSUB_20"/>
        <!-- Allergy - intolerance observation template -->
        <code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4"/>
        <statusCode code="completed"/>
        <effectiveTime>
          <low value="20070501"/>
        </effectiveTime>
        <value xsi:type="CD" code="416098002" displayName="Drug allergy
(disorder)" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT">
          <originalText><reference value="#ALGSUB_20"/>Ampicillin
Sodium</originalText>
        </value>
        <participant typeCode="CSM">
          <participantRole classCode="MANU">
            <playingEntity classCode="MMAT">

```

```
<code code="733" displayName="Ampicillin Sodium"
codeSystem="2.16.840.1.113883.6.88" codeSystemName="RxNorm">
  <originalText>
    <reference value="#ALGSUB_20"/>
  </originalText>
</code>
</playingEntity>
</participantRole>
</participant>
<entryRelationship typeCode="SUBJ" inversionInd="true">
  <observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.22.4.28"
extension="2014-06-09"/>
    <templateId root="2.16.840.1.113883.10.20.22.4.28"/>
    <code code="33999-4" codeSystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC" displayName="Status"/>
    <statusCode code="completed"/>
    <value xsi:type="CE" code="55561003"
codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED-CT" displayName="Completed"/>
  </observation>
</entryRelationship>
<entryRelationship typeCode="MFST" inversionInd="true">
  <observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.22.4.9"
extension="2017-09-15"/>
    <templateId root="2.16.840.1.113883.10.20.22.4.9"/>
    <id root="4a2ac5fc-0c85-4223-baee-c2e254803114"/>
    <code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4"/>
    <text><reference value="#ALGREACT_20"/>Hives
      </text>
    <statusCode code="completed"/>
    <value xsi:type="CD" code="247472004"
codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Hives"/>
  <entryRelationship typeCode="SUBJ" inversionInd="true">
    <observation classCode="OBS" moodCode="EVN">
      <!--Severity Observation (V2)-->
      <templateId root="2.16.840.1.113883.10.20.22.4.8"
extension="2014-06-09"/>
      <templateId root="2.16.840.1.113883.10.20.22.4.8"/>
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```
<code code="SEV" displayName="Severity Observation"
codeSystem="2.16.840.1.113883.5.4" codeSystemName="ActCode"/>

<text>

  <reference value="#ALGRESEV_20"/>

</text>

<statusCode code="completed"/>

  <value xsi:type="CD" code="6736007" displayName="Moderate"
codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED-CT"/>

</observation>

</entryRelationship>

</observation>

</entryRelationship>

</observation>

</entryRelationship>

</act>

</entry>

</section>

</component>

<!-- IMMUNIZATION SECTION -->

<component>

  <section nullFlavor="NI">

    <templateId root="2.16.840.1.113883.10.20.22.2.2.1"/>

    <code code="11369-6" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="History of immunizations"/>

    <title>IMMUNIZATIONS</title>

    <text>No immunization data found.</text>

  </section>

</component>

<!-- VITAL SIGN SECTION -->

<component>

  <section>

    <templateId root="2.16.840.1.113883.10.20.22.2.4.1" extension="2015-08-01"/>

    <templateId root="2.16.840.1.113883.10.20.22.2.4.1"/>

    <code code="8716-3" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="VITAL SIGNS"/>

    <title>VITAL SIGNS</title>

    <text>

      <table border="1" width="100%">
```

```
<thead>
  <tr>
    <th>Vital Sign</th>
    <th>Value</th>
    <th>Date</th>
  </tr>
</thead>
<tbody>
  <tr>
    <td>B/P - Systolic</td>
    <td ID="VS_Val_15">135 mm[Hg]</td>
    <td ID="VS_15">Oct 20,2023</td>
  </tr>
  <tr>
    <td>B/P - Diastolic</td>
    <td ID="VS_Val_16">80 mm[Hg]</td>
    <td ID="VS_16">Oct 20,2023</td>
  </tr>
  <tr>
    <td>pulse</td>
    <td ID="VS_Val_17">90 /min</td>
    <td ID="VS_17">Oct 20,2023</td>
  </tr>
  <tr>
    <td>Respiration</td>
    <td ID="VS_Val_18">78 /min</td>
    <td ID="VS_18">Oct 20,2023</td>
  </tr>
  <tr>
    <td>O2Sat</td>
    <td ID="VS_Val_19">36 %</td>
    <td ID="VS_19">Oct 20,2023</td>
  </tr>
  <tr>
    <td>Temperature</td>
    <td ID="VS_Val_20">98 Cel</td>
```

```
<td ID="VS_20">Oct 20,2023</td>
</tr>
<tr>
<td>BMI</td>
<td ID="VS_Val_23">32 kg/m2</td>
<td ID="VS_23">Oct 20,2023</td>
</tr>
<tr>
<td>Inhale02</td>
<td ID="VS_Val_25">36 %</td>
<td ID="VS_25">Oct 20,2023</td>
</tr>
<tr>
<td>BMIP</td>
<td ID="VS_Val_26">55 %</td>
<td ID="VS_26">Oct 20,2023</td>
</tr>
<tr>
<td>WLP</td>
<td ID="VS_Val_27">42 %</td>
<td ID="VS_27">Oct 20,2023</td>
</tr>
<tr>
<td>HCP</td>
<td ID="VS_Val_28">56 %</td>
<td ID="VS_28">Oct 20,2023</td>
</tr>
</tbody>
</table>
</text>
<entry typeCode="DRIV">
  <organizer classCode="CLUSTER" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.22.4.26"
extension="2015-08-01"/>
    <templateId root="2.16.840.1.113883.10.20.22.4.26"/>
    <id root="c6f88320-67ad-11db-bd13-0800200c9a66" extension="2000"/>
    <code code="46680005" codeSystem="2.16.840.1.113883.6.96">
```

```
codeSystemName="SNOMED -CT" displayName="Vital signs">
    <translation code="74728-7" codeSystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC" displayName="Vital signs"/>
    </code>
    <statusCode code="completed"/>
    <effectiveTime>
        <low value="20231020"/>
        <high value="20231020"/>
    </effectiveTime>
    <component>
        <observation classCode="OBS" moodCode="EVN">
            <templateId root="2.16.840.1.113883.10.20.22.4.27"
extension="2014-06-09"/>
            <templateId root="2.16.840.1.113883.10.20.22.4.27"/>
            <id root="c6f88321-67ad-11db-bd13-0800200c9a66"
extension="123456789"/>
            <code codeSystem="2.16.840.1.113883.6.1" code="8480-6"
displayName="Systolic blood pressure"/>
            <statusCode code="completed"/>
            <effectiveTime value="20231020"/>
            <value xsi:type="PQ" value="135" unit="mm[Hg]"/>
            <interpretationCode code="N" codeSystem="2.16.840.1.113883.5.83"/>
        </observation>
    </component>
    <component>
        <observation classCode="OBS" moodCode="EVN">
            <templateId root="2.16.840.1.113883.10.20.22.4.27"
extension="2014-06-09"/>
            <templateId root="2.16.840.1.113883.10.20.22.4.27"/>
            <id root="c6f88321-67ad-11db-bd13-0800200c9a66"
extension="123456789"/>
            <code codeSystem="2.16.840.1.113883.6.1" code="8462-4"
displayName="Diastolic blood pressure"/>
            <statusCode code="completed"/>
            <effectiveTime value="20231020"/>
            <value xsi:type="PQ" value="80" unit="mm[Hg]"/>
            <interpretationCode code="N" codeSystem="2.16.840.1.113883.5.83"/>
        </observation>
    </component>
```

```
<component>
  <observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.22.4.27"
extension="2014-06-09"/>
    <templateId root="2.16.840.1.113883.10.20.22.4.27"/>
    <id root="c6f88321-67ad-11db-bd13-0800200c9a66"
extension="123456789"/>
    <code codeSystem="2.16.840.1.113883.6.1" code="8867-4"
displayName="Heart Rate"/>
    <statusCode code="completed"/>
    <effectiveTime value="20231020"/>
    <value xsi:type="PQ" value="90" unit="/min"/>
    <interpretationCode code="N" codeSystem="2.16.840.1.113883.5.83"/>
  </observation>
</component>
<component>
  <observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.22.4.27"
extension="2014-06-09"/>
    <templateId root="2.16.840.1.113883.10.20.22.4.27"/>
    <id root="c6f88321-67ad-11db-bd13-0800200c9a66"
extension="123456789"/>
    <code codeSystem="2.16.840.1.113883.6.1" code="9279-1"
displayName="Respiratory Rate"/>
    <statusCode code="completed"/>
    <effectiveTime value="20231020"/>
    <value xsi:type="PQ" value="78" unit="/min"/>
    <interpretationCode code="N" codeSystem="2.16.840.1.113883.5.83"/>
  </observation>
</component>
<component>
  <observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.22.4.27"
extension="2014-06-09"/>
    <templateId root="2.16.840.1.113883.10.20.22.4.27"/>
    <id root="c6f88321-67ad-11db-bd13-0800200c9a66"
extension="123456789"/>
    <code codeSystem="2.16.840.1.113883.6.1" code="59408-5"
displayName="Oxygen saturation in Arterial blood by Pulse oximetry"/>
    <statusCode code="completed"/>
```

```

        <effectiveTime value="20231020"/>
        <value xsi:type="PQ" value="36" unit="%"/>
        <interpretationCode code="N" codeSystem="2.16.840.1.113883.5.83"/>
      </observation>
    </component>
    <component>
      <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.22.4.27"
extension="2014-06-09"/>
        <templateId root="2.16.840.1.113883.10.20.22.4.27"/>
        <id root="c6f88321-67ad-11db-bd13-0800200c9a66"
extension="123456789"/>
        <code codeSystem="2.16.840.1.113883.6.1" code="8310-5"
displayName="Body Temperature"/>
        <statusCode code="completed"/>
        <effectiveTime value="20231020"/>
        <value xsi:type="PQ" value="98" unit="Cel"/>
        <interpretationCode code="N" codeSystem="2.16.840.1.113883.5.83"/>
      </observation>
    </component>
    <component>
      <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.22.4.27"
extension="2014-06-09"/>
        <templateId root="2.16.840.1.113883.10.20.22.4.27"/>
        <id root="c6f88321-67ad-11db-bd13-0800200c9a66"
extension="123456789"/>
        <code codeSystem="2.16.840.1.113883.6.1" code="39156-5"
displayName="Body mass index (BMI) [Ratio]"/>
        <statusCode code="completed"/>
        <effectiveTime value="20231020"/>
        <value xsi:type="PQ" value="32" unit="kg/m2"/>
        <interpretationCode code="N" codeSystem="2.16.840.1.113883.5.83"/>
      </observation>
    </component>
  </component>
  <component>
    <observation classCode="OBS" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.22.4.27"
extension="2014-06-09"/>

```

```
<templateId root="2.16.840.1.113883.10.20.22.4.27"/>
  <id root="c6f88321-67ad-11db-bd13-0800200c9a66"
extension="123456789"/>
    <code codeSystem="2.16.840.1.113883.6.1" code="3150-0"
displayName="Inhaled Oxygen Concentration"/>
    <statusCode code="completed"/>
    <effectiveTime value="20231020"/>
    <value xsi:type="PQ" value="36" unit="%"/>
    <interpretationCode code="N" codeSystem="2.16.840.1.113883.5.83"/>
  </observation>
</component>
<component>
  <observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.22.4.27"
extension="2014-06-09"/>
    <templateId root="2.16.840.1.113883.10.20.22.4.27"/>
    <id root="c6f88321-67ad-11db-bd13-0800200c9a66"
extension="123456789"/>
    <code codeSystem="2.16.840.1.113883.6.1" code="59576-9"
displayName="Body mass index (BMI) [Percentile] Per age and sex"/>
    <statusCode code="completed"/>
    <effectiveTime value="20231020"/>
    <value xsi:type="PQ" value="55" unit="%"/>
    <interpretationCode code="N" codeSystem="2.16.840.1.113883.5.83"/>
  </observation>
</component>
<component>
  <observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.22.4.27"
extension="2014-06-09"/>
    <templateId root="2.16.840.1.113883.10.20.22.4.27"/>
    <id root="c6f88321-67ad-11db-bd13-0800200c9a66"
extension="123456789"/>
    <code codeSystem="2.16.840.1.113883.6.1" code="77606-2"
displayName="Weight-for-length Per age and sex"/>
    <statusCode code="completed"/>
    <effectiveTime value="20231020"/>
    <value xsi:type="PQ" value="42" unit="%"/>
    <interpretationCode code="N" codeSystem="2.16.840.1.113883.5.83"/>
  </observation>
```

```

    </component>
    <component>
      <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.22.4.27"
extension="2014-06-09"/>
        <templateId root="2.16.840.1.113883.10.20.22.4.27"/>
        <id root="c6f88321-67ad-11db-bd13-0800200c9a66"
extension="123456789"/>
        <code codeSystem="2.16.840.1.113883.6.1" code="8289-1"
displayName="Head Occipital-frontal circumference Percentile"/>
        <statusCode code="completed"/>
        <effectiveTime value="20231020"/>
        <value xsi:type="PQ" value="56" unit="%" />
        <interpretationCode code="N" codeSystem="2.16.840.1.113883.5.83"/>
      </observation>
    </component>
  </organizer>
</entry>
</section>
</component>
<!-- PROBLEM SECTION -->
<!-- ***** PROBLEM LIST ***** -->
<!-- edited as per test doc - all data relevant -db -->
<component>
  <section>
    <!-- *** Problem Section (entries required) (V3) *** -->
    <templateId root="2.16.840.1.113883.10.20.22.2.5.1" extension="2015-08-01"/>
    <templateId root="2.16.840.1.113883.10.20.22.2.5.1"/>
    <code code="11450-4" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="PROBLEM LIST"/>
    <title>PROBLEMS</title>
    <text>
      <table border="1" width="100%">
        <thead>
          <tr>
            <th>Problem</th>
            <th>Effective Dates</th>
            <th>Problem Type</th>

```

```

        <th>Problem Status</th>
      </tr>
    </thead>
    <tbody>
      <tr ID="PROBSUMMARY_24">
        <td ID="PROBKIND_24">AGE RELATED CATARACT, UNSPECIFIED (H25.9)
[SNOMED-CT: ]</td>
        <td>Oct 20,2023</td>
        <td ID="PROBTYPE_24">Problem</td>
        <td ID="PROBSTATUS_24">Active</td>
      </tr>
    </tbody>
  </table>
</text>
<entry typeCode="COMP">
  <act classCode="ACT" moodCode="EVN">
    <!-- ** Problem Concern Act (V3) ** -->
    <templateId root="2.16.840.1.113883.10.20.22.4.3" extension="2015-08-01"/>
    <templateId root="2.16.840.1.113883.10.20.22.4.3"/>
    <id root="ec8a6ff8-ed4b-4f7e-89c3-e98e58b45df9"/>
    <code code="CONC" codeSystem="2.16.840.1.113883.5.6"
displayName="Concern"/>
    <!-- The statusCode represents the need to continue tracking the problem
-->
    <!-- This is of ongoing concern to the provider -->
    <!-- The concern is not active, in terms of there being an active
condition to be managed.-->
    <statusCode code="completed"/>
    <effectiveTime>
      <!-- The low value represents when the problem was first recorded in the
patients chart -->
      <!-- since no test data was given for this information,
and a low element is required to exist, used nullFlavor
-db -->
      <low value="20231020"/>
      <!-- The high value reflects when there was no longer a need to track
the problem -->
      <!-- since no test data was given for this information, used nullFlavor
-db -->
      <high nullFlavor="UNK"/>

```

```

    </effectiveTime>
    <!-- removed author as not required -db -->
    <entryRelationship typeCode="SUBJ">
      <observation classCode="OBS" moodCode="EVN">
        <!-- ** Problem observation (V3)** -->
        <templateId root="2.16.840.1.113883.10.20.22.4.4"
extension="2015-08-01"/>
        <templateId root="2.16.840.1.113883.10.20.22.4.4"/>
        <id root="ab1791b0-5c71-11db-b0de-0800200c2601"/>
        <code code="55607006" codeSystem="2.16.840.1.113883.6.96"
codeSystemName="SNOMED CT" displayName="Problem">
          <!-- a. This code SHALL contain at least one [1..*] translation,
which SHOULD be selected from ValueSet Problem Type (LOINC) -->
          <!-- Diagnosis seems like the best option:
              No EXACT requirement was given in the test data -db -->
          <translation code="75326-9" codeSystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC" displayName="Problem"/>
        </code>
        <!-- The statusCode reflects the status of the observation itself -->
        <statusCode code="completed"/>
        <effectiveTime>
          <!-- The low value reflects the date of onset -->
          <low value="20231020"/>
          <!-- The high value reflects when the problem was known to be
resolved -->
          <high nullFlavor="UNK"/>
        </effectiveTime>
        <value xsi:type="CD" code="" codeSystem="2.16.840.1.113883.6.96"
codeSystemName="SNOMED CT" displayName="AGE RELATED CATARACT, UNSPECIFIED (H25.9)"/>
      </observation>
    </entryRelationship>
  </act>
</entry>
</section>
</component>
<!-- LAB TESTS SECTION -->
<component>
  <section>
    <templateId root="2.16.840.1.113883.10.20.22.2.3.1" extension="2015-08-01"/>

```

```
<templateId root="2.16.840.1.113883.10.20.22.2.3.1"/>

<code code="30954-2" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="RESULTS"/>

<title>RESULTS</title>

<text>

  <table border="1" width="100%">

    <thead>

      <tr>

        <th>Test Code</th>

        <th>Code System</th>

        <th colspan="3">Lab Test Name</th>

        <th>Date</th>

      </tr>

    </thead>

    <tbody>

      <tr>

        <td>34109-9</td>

        <td>LOINC</td>

        <td colspan="3">Ms Alice Newman was tested for the Urinalysis macro
panel and the results have been found to be normal</td>

        <td>10-20-2023</td>

      </tr>

      <tr>

        <td colspan="6">No result information.</td>

      </tr>

    </tbody>

  </table>

</text>

<entry typeCode="DRIV">

  <!-- Result organizer template -->

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

    <templateId root="2.16.840.1.113883.10.20.22.4.1" extension="2015-08-01"/>

    <templateId root="2.16.840.1.113883.10.20.22.4.1"/>

    <id root="7d5a02b0-67a4-11db-bd13-0800200c9547" extension="1234"/>

    <code code="34109-9" codeSystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC" displayName="Lab Narrative"/>

    <statusCode code="active"/>

    <effectiveTime>
```

```
<low value="20231020"/>
<high value="20231020"/>
</effectiveTime>
<component>
  <observation classCode="OBS" moodCode="EVN">
    <!-- Result observation template -->
    <templateId root="2.16.840.1.113883.10.20.22.4.2"
extension="2015-08-01"/>
    <templateId root="2.16.840.1.113883.10.20.22.4.2"/>
    <id nullFlavor="NI"/>
    <code nullFlavor="NI"/>
    <statusCode code="completed"/>
    <effectiveTime nullFlavor="NI"/>
    <value xsi:type="PQ" nullFlavor="NI"/>
  </observation>
</component>
</organizer>
</entry>
</section>
</component>
<component>
  <!--Cures Update Progress Note-->
  <section>
    <!-- Notes Section -->
    <templateId root="2.16.840.1.113883.10.20.22.2.65" extension="2016-11-01"/>
    <code code="18842-5" displayName="Discharge Summary Note"
codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"/>
    <title>Discharge Summary Note</title>
    <text>
      <list>
        <item ID="DischNote2">
          <paragraph>If there is fever greater than 101.5 F or onset of chest
pain/breathlessness the patient is advised to contact emergency.</paragraph>
        </item>
      </list>
    </text>
  </entry>
  <act classCode="ACT" moodCode="EVN">
```

```
<templateId root="2.16.840.1.113883.10.20.22.4.202"
extension="2016-11-01"/>

<id root="9a6d1bac-17d3-4195-89a4-1121bc809923"
extension="00000000-0000-0000-0000-000000000003"/>

<code code="34109-9" codeSystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC" displayName="Note">

  <translation codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="note" code="28570-0"/>

</code>

<text>

  <reference value="#DischNote2"/>

</text>

<statusCode code="completed"/>

<effectiveTime value="20231020"/>

<author>

  <!--Cures Update Proverance-->

  <!-- Provenance - Author Participation -->

  <templateId root="2.16.840.1.113883.10.20.22.4.119"/>

  <time value="20231020124338-0400"/>

  <assignedAuthor>

    <!-- NPI of Author (example) -->

    <id extension="1234566666" root="2.16.840.1.113883.4.6"/>

    <addr>

      <streetAddressLine>64 E. Main St</streetAddressLine>

      <city>Freehold</city>

      <state>NJ</state>

      <postalCode>07728</postalCode>

      <country>US</country>

    </addr>

    <telecom value="tel:+1-732-817-9475"/>

    <assignedPerson>

      <name>

        <given>ecl</given>

        <family>access</family>

      </name>

    </assignedPerson>

    <representedOrganization>

      <id root="78A150ED-B890-49dc-B716-5EC0027B3418"/>
```

```

    <name>IMW Facility Demo</name>
    <telecom value="tel:+1-732-817-9475"/>
    <addr>
      <streetAddressLine>64 E. Main St</streetAddressLine>
      <city>Freehold</city>
      <state>NJ</state>
      <postalCode>07728</postalCode>
      <country>US</country>
    </addr>
  </representedOrganization>
</assignedAuthor>
</author>
</act>
</entry>
</section>
</component>
<!-- ASSESSMENT SECTION -->
<!-- ASSESSMENT SECTION -->
<!-- There is no R2.1 (R2.0) version of assessment section, using R1.1 templateId
only -->
<component>
  <section>
    <templateId root="2.16.840.1.113883.10.20.22.2.8"/>
    <code codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" code="51848-0"
displayName="ASSESSMENTS"/>
    <title>ASSESSMENTS</title>
    <text>
      <table border="1" width="100%">
        <thead>
          <tr>
            <th>Assessment</th>
            <th>Date</th>
          </tr>
        </thead>
        <tbody>
          <tr>
            <td>AGE RELATED CATARACT, UNSPECIFIED </td>

```

```
        <td>Oct 20,2023</td>
    </tr>
</tbody>
</table>
</text>
</section>
</component>
<!-- PLAN OF TREATMENT SECTION -->
<component>
    <section>
        <templateId root="2.16.840.1.113883.10.20.22.2.10"/>
        <templateId root="2.16.840.1.113883.10.20.22.2.10" extension="2014-06-09"/>
        <code codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" code="18776-5"
displayName="PLAN OF TREATMENT"/>
        <title>PLAN OF TREATMENT</title>
        <text>
            <table border="1" width="100%">
                <thead>
                    <tr>
                        <th>Plan of Treatment</th>
                    </tr>
                </thead>
                <tbody>
                    <tr>
                        <td/>
                    </tr>
                </tbody>
            </table>
        </text>
    </section>
</component>
<!-- GOALS SECTION -->
<!-- GOAL SECTION -->
<component>
    <section nullFlavor="NI">
        <templateId root="2.16.840.1.113883.10.20.22.2.60"/>
        <code code="61146-7" displayName="Goals" codeSystem="2.16.840.1.113883.6.1"
```

```

codeSystemName="LOINC"/>
    <title>Goals Section</title>
    <text>No goal information</text>
  </section>
</component>
<!-- HEALTH CONCERNS SECTION -->
<component>
  <section>
    <templateId root="2.16.840.1.113883.10.20.22.2.58" extension="2015-08-01"/>
    <code code="75310-3" displayName="Health Concerns Document"
codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"/>
    <title>Health Concerns Section</title>
    <text>
      <table border="1" width="100%">
        <thead>
          <tr>
            <th>Observations</th>
            <th>Status</th>
            <th>Date</th>
          </tr>
        </thead>
        <tbody>
          <tr>
            <td colspan="3" ID="HealthObservation_1">No Health Observation</td>
          </tr>
        </tbody>
      </table>
      <br/>
      <table border="1" width="100%">
        <thead>
          <tr>
            <th>Concern - HealthCare Concerns refer to underlying clinical
facts</th>
            <th>Status</th>
            <th>Date</th>
          </tr>
        </thead>

```

```
<tbody>
  <tr>
    <td colspan="3" ID="HealthConcern_1">No Health Concern.</td>
  </tr>
</tbody>
</table>
<br/>
<table border="1" width="100%">
  <thead>
    <tr>
      <th>Related observation</th>
      <th>Date</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td colspan="2">No Related Observation.</td>
    </tr>
  </tbody>
</table>
<br/>
</text>
<entry>
  <observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.22.4.5" extension="2014-06-09"/>
    <templateId root="2.16.840.1.113883.10.20.22.4.5"/>
    <id root="c91443ce-f9ce-c990-ff43-35eb8cc298d0"/>
    <code code="11323-3" codeSystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC" displayName="Health status"/>
    <text>
      <reference value="#HealthObservation_1"/>
    </text>
    <statusCode code="completed"/>
    <value xsi:type="CD" nullFlavor="NI"/>
  </observation>
</entry>
<entry>
```

```
<act classCode="ACT" moodCode="EVN" negationInd="true">
  <templateId root="2.16.840.1.113883.10.20.22.4.132"
extension="2015-08-01"/>
  <id root="eefa532d-053d-acf6-e07c-61bd3cc4c970"/>
  <code code="75310-3" codeSystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC" displayName="Health Concern"/>
  <text>
    <reference value="#HealthConcern_1"/>
  </text>
  <statusCode code="completed"/>
</act>
</entry>
</section>
</component>
<!-- ENCOUNTERS SECTION -->
<component>
  <section>
    <templateId root="2.16.840.1.113883.10.20.22.2.22.1" extension="2015-08-01"/>
    <templateId root="2.16.840.1.113883.10.20.22.2.22.1"/>
    <code code="46240-8" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="History of encounters"/>
    <title>ENCOUNTERS</title>
    <text>
      <table border="1" width="100%">
        <thead>
          <tr>
            <th>Encounter Diagnosis</th>
            <th>Location</th>
            <th>Date</th>
          </tr>
        </thead>
        <tbody>
          <tr>
            <td ID="enc_problem24">AGE RELATED CATARACT, UNSPECIFIED (H25.9)</td>
            <td ID="enc_problem_location24">IMW Facility Demo</td>
            <td ID="enc_problem_date24">Oct 20,2023</td>
          </tr>
        </tbody>
      </table>
    </text>
  </section>
</component>
```

```
</table>

</text>

<entry typeCode="DRIV">
  <encounter classCode="ENC" moodCode="EVN">
    <!-- Encounter Activities -->
    <templateId root="2.16.840.1.113883.10.20.22.4.49"
extension="2015-08-01"/>
    <templateId root="2.16.840.1.113883.10.20.22.4.49"/>
    <id root="2a620155-9d11-439e-92b3-5d9815ff4601"/>
    <code code="92002" codeSystem="2.16.840.1.113883.6.12"
codeSystemName="CPT-4">
      <originalText>
        <reference value="#enc_problem24"/>
      </originalText>
      <translation code="AMB" codeSystem="2.16.840.1.113883.5.4"
displayName="Ambulatory" codeSystemName="HL7 ActEncounterCode"/>
    </code>
    <effectiveTime value="20231020"/>
    <performer>
      <assignedEntity>
        <!-- Provider NPI "999999999" -db -->
        <id nullFlavor="NI"/>
        <code code="309343006" codeSystem="2.16.840.1.113883.6.96"
codeSystemName="SNOMED CT" displayName="Physician"/>
      </assignedEntity>
    </performer>
    <participant typeCode="LOC">
      <participantRole classCode="SDLOC">
        <templateId root="2.16.840.1.113883.10.20.22.4.32"/>
        <!-- Service Delivery Location template -->
        <!-- the test data does not specify specific data for this code -db
-->
        <code nullFlavor="NI"/>
        <addr>
          <streetAddressLine>64 E. Main St</streetAddressLine>
          <city>Freehold</city>
          <state>NJ</state>
          <postalCode>07728</postalCode>
```

```
<country>US</country>
</addr>
<telecom use="WP" value="tel:+1732-817-9475"/>
<playingEntity classCode="PLC">
  <name>IMW Facility Demo</name>
</playingEntity>
</participantRole>
</participant>
<entryRelationship typeCode="SUBJ">
  <act classCode="ACT" moodCode="EVN">
    <!-- Encounter diagnosis act -->
    <templateId root="2.16.840.1.113883.10.20.22.4.80"
extension="2015-08-01"/>
    <templateId root="2.16.840.1.113883.10.20.22.4.80"/>
    <templateId root="2.16.840.1.113883.10.20.22.4.19"/>
    <id root="5a784260-6857-4f38-9638-80c851aff602"/>
    <code xsi:type="CE" code="29308-4" codeSystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC" displayName="ENCOUNTER DIAGNOSIS"/>
    <effectiveTime>
      <low value="20231020"/>
    </effectiveTime>
    <entryRelationship typeCode="SUBJ" inversionInd="false">
      <!-- Problem Observation (V3) -->
      <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.22.4.4"
extension="2015-08-01"/>
        <templateId root="2.16.840.1.113883.10.20.22.4.4"/>
        <id root="ab1791b0-5c71-11db-b0de-0800201c9603"/>
        <code code="55607006" codeSystem="2.16.840.1.113883.6.96"
codeSystemName="SNOMED CT" displayName="Problem">
          <!-- a. This code SHALL contain at least one [1..*]
translation, which SHOULD be selected from ValueSet Problem Type (LOINC) -->
          <!-- Diagnosis seems like the best option:
            No EXACT requirement was given in the test data -db -->
          <translation code="75326-9" codeSystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC" displayName="Problem"/>
        </code>
        <!-- Problem Observation template -->
        <statusCode code="completed"/>
      </observation>
    </entryRelationship>
  </act>
</entryRelationship>
</entry>
</root>
```

```

        <effectiveTime>
            <low value="20231020"/>
        </effectiveTime>
        <value xsi:type="CD" nullFlavor="NI"/>
    </observation>
</entryRelationship>
</act>
</entryRelationship>
</encounter>
</entry>
</section>
</component>
<!-- PLAN OF CARE SECTION -->
<component>
    <section>
        <!-- ** Plan of Care Section Template -->
        <templateId root="2.16.840.1.113883.10.20.22.2.10"/>
        <!-- CCDA Plan of Care Section definition requires this code -->
        <code code="18776-5" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="Treatment plan"/>
        <title>PLAN OF CARE</title>
        <text>
            <table border="1" width="100%">
                <thead>
                    <tr>
                        <th>Name</th>
                        <th>Result</th>
                        <th>Status</th>
                        <th>Date / Reason</th>
                    </tr>
                </thead>
                <tbody>
                    <tr>
                        <td>LAB: Lab Narrative [LOINC:34109-9]</td>
                        <td/>
                        <td>Diagnostic Test pending</td>
                        <td/>
                    </tr>
                </tbody>
            </table>
        </text>
    </section>
</component>

```

```

    </tr>
    <tr>
      <td>Cataract_eng_partner_09-18 SNOMED CT :</td>
      <td>Recommended Patient Decision Aids</td>
    </tr>
  </tbody>
</table>
</text>
<entry typeCode="DRIV">
  <observation classCode="OBS" moodCode="RQO">
    <templateId root="2.16.840.1.113883.10.20.22.4.44"/>
    <!-- Plan of Care Activity Observation template -->
    <id nullFlavor="NI"/>
    <code code="34109-9" codeSystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC" displayName="Lab Narrative"/>
    <statusCode code="new"/>
    <effectiveTime nullFlavor="NI"/>
  </observation>
</entry>
<entry typeCode="DRIV">
  <supply moodCode="INT" classCode="SPLY">
    <templateId root="2.16.840.1.113883.10.20.22.4.43"/>
    <!-- ** Plan of Care Activity Supply ** -->
    <id nullFlavor="NI"/>
    <code xsi:type="CE" code="" codeSystem="2.16.840.1.113883.6.96"
displayName="Cataract_eng_partner_09-18"/>
  </supply>
</entry>
</section>
</component>
<!-- INSTRUCTIONS SECTION -->
<!-- FUNCTIONAL STATUS SECTION -->
<!--
*****
                                *****
                                FUNCTIONAL STATUS
                                *****
***** -->
</component>

```

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<section>
  <templateId root="2.16.840.1.113883.10.20.22.2.14" extension="2014-06-09"/>
  <templateId root="2.16.840.1.113883.10.20.22.2.14"/>
  <!-- ***** Functional status section template ***** -->
  <code code="47420-5" codeSystem="2.16.840.1.113883.6.1"/>
  <title>FUNCTIONAL STATUS</title>
  <text ID="functional_status">No Functional status informtion</text>
  <entry>
    <observation classCode="OBS" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.22.4.67"/>
      <id root="a7bc1062-8649-42a0-833d-ekd65bd013d1"/>
      <code codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT"
code="64572001" displayName="Problem"/>
      <text>No Functional status informtion</text>
      <statusCode code="completed"/>
      <effectiveTime nullFlavor="NI"/>
      <value xsi:type="CD" nullFlavor="NI"/>
    </observation>
  </entry>
</section>
</component>
<!-- *****
      COGNITIVE STATUS
      ***** -->

<component>
  <section>
    <!-- There is no R1.1 version of this template -db -->
    <templateId root="2.16.840.1.113883.10.20.22.2.56" extension="2015-08-01"/>
    <!-- Mental Status Section -->
    <code code="10190-7" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="MENTAL STATUS"/>
    <title>COGNITIVE STATUS (MENTAL STATUS)</title>
    <text>No COGNITIVE STATUS informtion</text>
    <entry>
      <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.22.4.74"
extension="2015-08-01"/>
        <templateId root="2.16.840.1.113883.10.20.22.4.74"/>

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```
<id root="a7bc1062-8649-42a0-833d-ekd65bd013d2"/>
  <code code="373930000" displayName="Cognitive function"
codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED-CT">
    <translation code="75275-8" displayName="Cognitive function"
codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"/>
  </code>
  <statusCode code="completed"/>
  <effectiveTime nullFlavor="NI"/>
  <value xsi:type="CD" nullFlavor="UNK"/>
</observation>
</entry>
</section>
</component>
<!-- CHIEF COMPLAINT AND REASON FOR VISIT SECTION -->
<component>
  <section>
    <templateId root="2.16.840.1.113883.10.20.22.2.13"/>
    <code code="46239-0" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="CHIEF COMPLAINT AND REASON FOR VISIT"/>
    <title>CHIEF COMPLAINT</title>
    <text>
      <table border="1" width="100%">
        <thead>
          <tr>
            <th>Reason for Visit/Chief Complaint</th>
          </tr>
        </thead>
        <tbody>
          <tr>
            <td>A 53 Yr. old female patient
</td>
          </tr>
        </tbody>
      </table>
    </text>
  </section>
</component>
<!-- MEDICATIONS ADMINISTERED SECTION -->
```

```

<!-- PROCEDURES SECTION -->
<!-- ***** PROCEDURES ***** -->
<!-- edited as per test doc - all of this data is directly relevant -db -->
<component>
  <section>
    <!-- Procedures Section (entries required) (V2) -->
    <templateId root="2.16.840.1.113883.10.20.22.2.7.1" extension="2014-06-09"/>
    <templateId root="2.16.840.1.113883.10.20.22.2.7.1"/>
    <code code="47519-4" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="HISTORY OF PROCEDURES"/>
    <title>PROCEDURES</title>
    <text>
      <table border="1" width="100%">
        <thead>
          <tr>
            <th>Name</th>
            <th>Date</th>
            <th>Status</th>
          </tr>
        </thead>
        <tbody>
          <tr>
            <td ID="proc_sx_21">Introduction of cardiac pacemaker system via
vein</td>
            <td ID="date_sx_21">Oct 05,2011</td>
            <td ID="status_sx_21">Active</td>
          </tr>
          <tr>
            <td ID="proc_sx_22">Nebulizer Therapy</td>
            <td ID="date_sx_22">Jun 22,2015</td>
            <td ID="status_sx_22">Active</td>
          </tr>
        </tbody>
      </table>
    </text>
    <entry typeCode="DRIV">
      <procedure classCode="PROC" moodCode="EVN">

```

```
<!-- ** Procedure activity procedure (V2) ** -->
<templateId root="2.16.840.1.113883.10.20.22.4.14"
extension="2014-06-09"/>
<templateId root="2.16.840.1.113883.10.20.22.4.14"/>
<id root="d68b7e32-7811-4f5b-9cc2-acd54b0fd85d"/>
<code code="175135009" codeSystem="2.16.840.1.113883.6.96"
codeSystemName="SNOMED CT" displayName="Introduction of cardiac pacemaker system via
vein">

    </code>
<statusCode code="completed"/>
<effectiveTime value="20111005"/>
<methodCode nullFlavor="UNK"/>
<targetSiteCode code="9454009" displayName="Structure of subclavian vein"
codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT"/>
<!-- removed specimen as not required by test data -db -->
<performer>
    <assignedEntity>
        <id nullFlavor="NI"/>
        <addr use="WP">
            <country>US</country>
        </addr>
        <telecom nullFlavor="NI"/>
        <representedOrganization classCode="ORG">
            <id root="2.16.840.1.113883.19.5.9999.1393"/>
            <name>IMW Facility Demo</name>
            <telecom use="WP" value="tel:+1-732-817-9475"/>
            <addr>
                <streetAddressLine>64 E. Main St</streetAddressLine>
                <city>Freehold</city>
                <state>NJ</state>
                <postalCode>07728</postalCode>
                <country>US</country>
            </addr>
        </representedOrganization>
    </assignedEntity>
</performer>
<!-- removed participant as not required by test data -db -->
</procedure>
```

```
</entry>
<entry typeCode="DRIV">
  <procedure classCode="PROC" moodCode="EVN">
    <!-- ** Procedure activity procedure (V2) ** -->
    <templateId root="2.16.840.1.113883.10.20.22.4.14"
extension="2014-06-09"/>
    <templateId root="2.16.840.1.113883.10.20.22.4.14"/>
    <id root="d68b7e32-7811-4f5b-9cc2-acd54b0fd85d"/>
    <code code="56251003" codeSystem="2.16.840.1.113883.6.96"
codeSystemName="SNOMED CT" displayName="Nebulizer Therapy">
      </code>
    <statusCode code="completed"/>
    <effectiveTime value="20150622"/>
    <methodCode nullFlavor="UNK"/>
    <targetSiteCode code="82094008" displayName="Lower Respiratory Tract
Structure" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT"/>
    <!-- removed specimen as not required by test data -db -->
    <performer>
      <assignedEntity>
        <id nullFlavor="NI"/>
        <addr use="WP">
          <country>US</country>
        </addr>
        <telecom nullFlavor="NI"/>
        <representedOrganization classCode="ORG">
          <id root="2.16.840.1.113883.19.5.9999.1393"/>
          <name>IMW Facility Demo</name>
          <telecom use="WP" value="tel:+1-732-817-9475"/>
          <addr>
            <streetAddressLine>64 E. Main St</streetAddressLine>
            <city>Freehold</city>
            <state>NJ</state>
            <postalCode>07728</postalCode>
            <country>US</country>
          </addr>
        </representedOrganization>
      </assignedEntity>
    </performer>
  </procedure>
</entry>
```

```
<!-- removed participant as not required by test data -->
</procedure>
</entry>
</section>
</component>
<component>
  <section>
    <templateId root="2.16.840.1.113883.10.20.22.2.23"/>
    <templateId root="2.16.840.1.113883.10.20.22.2.23" extension="2014-06-09"/>
    <code code="46264-8" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
    displayName="Medical Equipment"/>
    <title>Implants</title>
    <!-- Alternative text: Patient has no history of procedures with implantable
    devices-->
    <!-- Alternative text: Patient has no implanted devices-->
    <text>
      <paragraph ID="Proc">Patient has no history of implantable
      devices</paragraph>
    </text>
  </entry>
  <procedure classCode="PROC" moodCode="EVN" negationInd="true">
    <!-- Procedure Activity Procedure V2-->
    <templateId root="2.16.840.1.113883.10.20.22.4.14"/>
    <templateId root="2.16.840.1.113883.10.20.22.4.14"
    extension="2014-06-09"/>
    <id root="d5b614bd-01ce-410d-8726-e1fd01dcc72a"/>
    <code code="71388002" codeSystem="2.16.840.1.113883.6.96"
    displayName="Procedure"/>
    <text>
      <reference value="#Proc"/>
    </text>
    <statusCode code="completed"/>
    <effectiveTime nullFlavor="NA"/>
    <participant typeCode="DEV">
      <participantRole classCode="MANU">
        <templateId root="2.16.840.1.113883.10.20.22.4.37"/>
        <!-- UDI is not applicable since no procedure -->
        <id nullFlavor="NA" root="2.16.840.1.113883.3.3719"/>
```

```

        <playingDevice>
            <code code="40388003" codeSystem="2.16.840.1.113883.6.96"
displayName="Implant"/>
        </playingDevice>
        <scopingEntity>
            <id root="2.16.840.1.113883.3.3719"/>
        </scopingEntity>
        </participantRole>
    </participant>
</procedure>
</entry>
</section>
</component>
<!-- REASON FOR REFERRAL SECTION -->
<component>
    <section>
        <!-- Reason for Referral Section (V2) -->
        <templateId root="1.3.6.1.4.1.19376.1.5.3.1.3.1" extension="2014-06-09"/>
        <templateId root="1.3.6.1.4.1.19376.1.5.3.1.3.1"/>
        <code code="42349-1" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="Reason for Referral"/>
        <title>REASON FOR REFERRAL</title>
        <text>No Reason for Referral information</text>
    </section>
</component>
<!-- CLINICAL NOTES SECTION -->
<component>
    <!--Cures Update Progress Note-->
    <section>
        <!-- Notes Section -->
        <templateId root="2.16.840.1.113883.10.20.22.2.65" extension="2016-11-01"/>
        <code codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="Laboratory note" code="11502-2"/>
        <title>Laboratory Narrative</title>
        <text>
            <list>
                <item ID="LabNote6">
                    <paragraph>Ms Alice Newman was tested for the Urinalysis macro panel

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and the results have been found to be normal</paragraph>

    </item>
</list>
</text>
<entry>
    <act classCode="ACT" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.22.4.202"
extension="2016-11-01"/>
        <id root="9a6d1bac-17d3-4195-89a4-1121bc809923"
extension="00000000-0000-0000-0000-000000000002"/>
        <code code="34109-9" codeSystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC" displayName="Note">
            <translation codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="note" code="11502-2"/>
        </code>
        <text>
            <reference value="#LabNote6"/>
        </text>
        <statusCode code="completed"/>
        <effectiveTime value="20231020"/>
        <author>
            <!--Cures Update Proverance-->
            <!-- Provenance - Author Participation -->
            <templateId root="2.16.840.1.113883.10.20.22.4.119"/>
            <time value="20231020124338-0400"/>
            <assignedAuthor>
                <!-- NPI of Author (example) -->
                <id extension="1234566666" root="2.16.840.1.113883.4.6"/>
                <addr>
                    <streetAddressLine>64 E. Main St</streetAddressLine>
                    <city>Freehold</city>
                    <state>NJ</state>
                    <postalCode>07728</postalCode>
                    <country>US</country>
                </addr>
                <telecom value="tel:+1-732-817-9475"/>
                <assignedPerson>
                    <name>
```

```
<given>ec1</given>
<family>access</family>
</name>
</assignedPerson>
<representedOrganization>
  <id root="78A150ED-B890-49dc-B716-5EC0027B3357"/>
  <name>IMW Facility Demo</name>
  <telecom value="tel:+1-732-817-9475"/>
  <addr>
    <streetAddressLine>64 E. Main St</streetAddressLine>
    <city>Freehold</city>
    <state>NJ</state>
    <postalCode>07728</postalCode>
    <country>US</country>
  </addr>
</representedOrganization>
</assignedAuthor>
</author>
</act>
</entry>
</section>
</component>
<component>
  <!--Cures Update Progress Note-->
  <section>
    <!-- Notes Section -->
    <templateId root="2.16.840.1.113883.10.20.22.2.65" extension="2016-11-01"/>
    <code codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="Pathology Study" code="11526-1"/>
    <title>Pathology Study</title>
    <text>No Pathology Study information found</text>
  </section>
</component>
<component>
  <!--Cures Update Progress Note-->
  <section>
    <!-- Notes Section -->
```

```
<templateId root="2.16.840.1.113883.10.20.22.2.65" extension="2016-11-01"/>

<!-- This Notes Section is not intended to replace a C-CDA Consultation Note
Document -->

<!-- If your system captures Consultation Note information in Discrete
sections its not recommended to lump all the text together here. -->

<!-- This Notes Section could be included in a Consultation Note Document with
other discrete sections (Results, Vitals etc.)-->

<!-- This Notes Section is most appropriate for an encounter specific document
-->

<!-- If this Notes section were included in a CCD, each Note Activity entry
should be linked to an appropriate Encounter entry in the Encounters section -->

<code code="11488-4" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="Consultation note"/>

<title>Consultation Notes</title>

<text>

<list>

<item ID="ConsultNote7">

<paragraph>Dr Access ECL diagnosed Ms Alice Newman to be suffering from
Fever and suspected Pneumonia and recommended admission to the Community Health
Hospitals</paragraph>

</item>

</list>

</text>

<entry>

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

<templateId root="2.16.840.1.113883.10.20.22.4.202"
extension="2016-11-01"/>

<code code="34109-9" codeSystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC" displayName="Note">

<!-- Code must match or be equivalent to section code -->

<translation code="11488-4" codeSystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC" displayName="Consultation note"/>

</code>

<text>

<reference value="#ConsultNote7"/>

</text>

<statusCode code="completed"/>

<effectiveTime value="20231020"/>

<author>

<!--Cures Update Proverance-->

<!-- Provenance - Author Participation -->
```

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<templateId root="2.16.840.1.113883.10.20.22.4.119"/>
<time value="20231020124338-0400"/>
<assignedAuthor>
  <!-- NPI of Author (example) -->
  <id extension="123456666" root="2.16.840.1.113883.4.6"/>
  <addr>
    <streetAddressLine>64 E. Main St</streetAddressLine>
    <city>Freehold</city>
    <state>NJ</state>
    <postalCode>07728</postalCode>
    <country>US</country>
  </addr>
  <telecom value="tel:+1-732-817-9475"/>
  <assignedPerson>
    <name>
      <given>ecl</given>
      <family>access</family>
    </name>
  </assignedPerson>
  <representedOrganization>
    <id root="78A150ED-B890-49dc-B716-5EC0027B3999"/>
    <name>IMW Facility Demo</name>
    <telecom value="tel:+1-732-817-9475"/>
    <addr>
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      <city>Freehold</city>
      <state>NJ</state>
      <postalCode>07728</postalCode>
      <country>US</country>
    </addr>
  </representedOrganization>
</assignedAuthor>
</author>
</act>
</entry>
</section>
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```

</component>
<component>
  <!--Cures Update Procedure Note-->
  <section>
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    <code codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
    displayName="Procedure note" code="28570-0"/>
    <title>Procedure Note</title>
    <text>
      <list>
        <item ID="ProcedureNote2">
          <paragraph>
            Dr Access ECL examined Ms Alice Newman and found that the pacemaker is
            operating properly and the breathlessness is due to high fever and anxiety.
          </paragraph>
        </item>
      </list>
    </text>
  <entry>
    <!--Cures Update Procedure Note-->
    <act classCode="ACT" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.22.4.202"
      extension="2016-11-01"/>
      <id root="9a6d1bac-17d3-4195-89a4-1231bc809201"/>
      <code code="34109-9" codeSystem="2.16.840.1.113883.6.1"
      codeSystemName="LOINC" displayName="Note">
        <translation code="28570-0" codeSystem="2.16.840.1.113883.6.1"
        codeSystemName="LOINC" displayName="Procedure note"/>
      </code>
      <text>
        <reference value="#ProcedureNote2"/>
      </text>
      <statusCode code="completed"/>
      <effectiveTime value="20231020123650"/>
      <author>
        <!--Cures Update Proverance-->
        <!-- Provenance - Author Participation -->
        <templateId root="2.16.840.1.113883.10.20.22.4.119"/>

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<time value="20231020124338-0400"/>
<assignedAuthor>
  <!-- NPI of Author (example) -->
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  <addr>
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    <city>Freehold</city>
    <state>NJ</state>
    <postalCode>07728</postalCode>
    <country>US</country>
  </addr>
  <telecom value="tel:+1-732-817-9475"/>
  <assignedPerson>
    <name>
      <given>ecl</given>
      <family>access</family>
    </name>
  </assignedPerson>
  <representedOrganization>
    <id root="78A150ED-B890-49dc-B716-5EC0027B3201"/>
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    <telecom value="tel:+1-732-817-9475"/>
    <addr>
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      <city>Freehold</city>
      <state>NJ</state>
      <postalCode>07728</postalCode>
      <country>US</country>
    </addr>
  </representedOrganization>
</assignedAuthor>
</author>
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</section>
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<component>

  <!--Cures Update Progress Note-->

  <section>

    <!-- Notes Section -->

    <templateId root="2.16.840.1.113883.10.20.22.2.65" extension="2016-11-01"/>

    <code codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="Progress note" code="11506-3"/>

    <title>Progress Note</title>

    <text>

      <list>

        <item ID="ProgressNote2">

          <paragraph>Ms Alice Newman seems to be developing high fever and hence
we recommend her to get admitted to a nearby hospital using the provided
referral.</paragraph>

        </item>

      </list>

    </text>

    <entry>

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

        <templateId root="2.16.840.1.113883.10.20.22.4.202"
extension="2016-11-01"/>

        <id root="9a6d1bac-17d3-4195-89a4-1121bc809923"
extension="00000000-0000-0000-0000-000000000000"/>

        <code code="34109-9" codeSystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC" displayName="Note">

          <translation codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="note" code="11506-3"/>

        </code>

        <text>

          <reference value="#ProgressNote2"/>

        </text>

        <statusCode code="completed"/>

        <effectiveTime value="20231020"/>

        <author>

          <!--Cures Update Proverance-->

          <!-- Provenance - Author Participation -->

          <templateId root="2.16.840.1.113883.10.20.22.4.119"/>

          <time value="20231020124338-0400"/>

          <assignedAuthor>
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<!-- NPI of Author (example) -->
<id extension="123456666" root="2.16.840.1.113883.4.6"/>
<addr>
  <streetAddressLine>64 E. Main St</streetAddressLine>
  <city>Freehold</city>
  <state>NJ</state>
  <postalCode>07728</postalCode>
  <country>US</country>
</addr>
<telecom value="tel:+1-732-817-9475"/>
<assignedPerson>
  <name>
    <given>ecl</given>
    <family>access</family>
  </name>
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  <name>IMW Facility Demo</name>
  <telecom value="tel:+1-732-817-9475"/>
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    <city>Freehold</city>
    <state>NJ</state>
    <postalCode>07728</postalCode>
    <country>US</country>
  </addr>
</representedOrganization>
</assignedAuthor>
</author>
</act>
</entry>
</section>
</component>
<component>
  <!--Cures Update Procedure Note-->
```

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<section>
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  <code codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" code="34117-2"
displayName="History and Physical Note"/>
  <title>History and Physical Note</title>
  <text>No History and Physical information found</text>
</section>
</component>
</structuredBody>
</component>
</ClinicalDocument>
```

24 Errors and Exceptions

This section guides about the errors and exceptions, which may occur during interacting with myCare iMedicWare API.

iMedicWare API is built on the principles of REST (Representational State Transfer) architecture. Error messages in API are self - explanatory. The error message conveys the details regarding error textual format with suitable HTTP status codes.

List of HTTP status codes:

- a. 200 - successful operation
- b. 400 - parameter errors
- c. 401 - access errors
- d. 404 - API endpoint errors
- e. 422 - request content errors
- f. 500 - internal server errors
- g. 503 - service errors on server