



myCare iMedicWare REST API Documentation  
API Version for myCare iMedicWare R8-V1

## Table of Contents

Introduction.....	1
Authentication.....	1
Patient Search.....	3
Demographics.....	5
Smoking Status.....	10
Problem List.....	11
Medications.....	13
Allergies.....	15
Lab Results.....	16
Vital Signs.....	19
Surgeries.....	23
Care Team Members.....	25
Immunizations.....	27
UDI.....	28
Assessment Plan.....	30
Patient Goals.....	32
Health Concerns.....	33
Visit DOS.....	35
CCDA.....	36
Errors and Exceptions.....	91

\* Indicate Required Fields

## Introduction

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

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

Terms of use: This document is provided “as-is, without warranty of any kind. iMedicWare expressly disclaims all warranties, whether express or statutory regarding this document including without limitation any warranty of fitness for a particular purpose, title, security, accuracy and non infringement with limiting the foregoing iMedicWare makes no warranty or representation that access to or operation of operation of this service will be uninterrupted or error free. You assume full responsibility and risk of loss resulting from your downloading and/or use of the files, information, content or other material obtained from iMedicWare’ website.

### 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 it’s 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

## myCare iMedicWare API

be logged in iDoc database with the IP address of the client computer sending request for token generation.

- ❖ The authorization token will have 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": "xxxxxxxxxxxxx"
}
```

### Method:

POST

### Response Data:

This API call will return SHA256 encrypted access token for the user.

### Sample JSON:

```
{
  "Success": 1,
  "result": {
    "Token": "070092780051be165cc0de3bb5de2d9060623e22c13614ba3f7eaff6f746f218"
  }
}
```

## 2. PATIENT SEARCH

This API call provides ability to search patient records in 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"
}
```

### 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.	LastName	String

## myCare iMedicWare API

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

Sample JSON:

```
{
  "Success": 1,
  "result": {
    "SearchPatient": [
      {
        "ID": "67872",
        "FirstName": "First",
        "LastName": "Doe",
        "MiddleName": "T",
        "Suffix": "K",
        "DateOfBirth": "",
        "SSN": "123-45-6789",
        "Sex": "Male",
        "HomePhone": "741852-9630",
        "BusinessPhone": "357159-4568",
        "CellPhone": "963852-7411",
        "Email": "test@test.com",
        "Address": [
          {
```

```

        "Street1": "Street1",
        "Street2": "",
        "City": "Owens Cross Roads",
        "State": "AL",
        "Zip": "35763"
    }
]
}
]
}
}

```

### 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
--------	------------	-----------	----------

## myCare iMedicWare API

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.	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



myCare iMedicWare API

Sr.No.	Field Name	Data Type
17.	PhoneNumber	String
18.	<b>Address</b>	
18.1.	Street1	String
18.2.	Street2	String
18.3.	City	String
18.4.	State	String
18.5.	Zip	String
<b>Guarantor/Family</b>		
19.	Title	String
20.	FirstName	String
21.	MiddleName	String
22.	LastName	String
23.	Relationship	String
24.	Street1	String
25.	Street2	String
26.	City	String
27.	State	String
28.	Zip	String
29.	HomePhone	String
30.	WorkPhone	String
31.	MobilePhone	String
<b>Insurance Data</b>		
32.	Type	String
33.	Name	String
34.	Caseld	String
35.	CaseName	String
36.	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"
      }
    ]
  },
  "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"
  },
  "Family": [
    {
      "Title": "Mr.",
      "FirstName": "Bryan",
      "MiddleName": "L",
      "LastName": "Doe",
      "Relationship": "Brother",
      "Street1": "Owens Cross",
      "Street2": "",
      "City": "Madison",
      "State": "AL",
      "Zip": "35758",
      "HomePhone": "3698527410",
      "WorkPhone": "2589654123",
      "MobilePhone": "7896541230"
    }
  ],
  "Insurance": [
    {
```

```

        "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:

## myCare iMedicWare API

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 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

## myCare iMedicWare API

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": "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 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 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.	AllergyID	Integer
2.	Name	String
3.	OnSetDate	Date
4.	Comments	String
5.	AllergyType	String
6.	LastModifiedDate	Date

Sample JSON:

```
{
  "Success": 1,
  "result": {
    "ClinicalData": {
      "Allergies": [
        {
          "AllergyID": "177834",
          "Name": "Pencillin G",
          "OnSetDate": "1980-05-10",
          "Comments": "Hives",
          "AllergyType": "Medical",
          "LastModifiedDate": "2017-10-25"
        }
      ]
    }
  }
}
```

## 8. Lab Results

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

Endpoint:

## myCare iMedicWare API

{iDocURL}/IMWAPI/getClinicalData/labResults

### 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": "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
<b>Lab Details</b>		
6.	ContactName	String

## myCare iMedicWare API

Sr.No.	Field Name	Data Type
7.	Phone	String
8.	Address	String
9.	City	String
10.	State	String
11.	Zip	String
<b>Test Values</b>		
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"
          }
        }
      ]
    }
  }
}
```



```
"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

**Sample JSON:**

```
{
"Success": 1,
"result": {
"ClinicalData": {
"VitalSigns": {
"BPSystolic": [
{
"RangeVital": "145",
"Unit": "mmHg",
"vital_sign": "B/P - Systolic",
"vital_sign_id": "1",
>Date": "2015-06-22"
}
],
"BPDiastolic": [
{
"RangeVital": "88",
"Unit": "mmHg",
"vital_sign": "B/P - Diastolic",
```

```

    "vital_sign_id": "2",
    "Date": "2015-06-22"
  }
],
"pulse": [
  {
    "RangeVital": "80",
    "Unit": "beats/minute",
    "vital_sign": "pulse",
    "vital_sign_id": "3",
    "Date": "2015-06-22"
  }
],
"Respiration": [
  {
    "RangeVital": "18",
    "Unit": "breaths/minute",
    "vital_sign": "Respiration",
    "vital_sign_id": "4",
    "Date": "2015-06-22"
  }
],
"O2Sat": [
  {
    "RangeVital": "95",
    "Unit": "ml/l",
    "vital_sign": "O2Sat",
    "vital_sign_id": "5",
    "Date": "2015-06-22"
  }
],
"Temperature": [
  {
    "RangeVital": "38",
    "Unit": "°c",
    "vital_sign": "Temperature",
    "vital_sign_id": "6",
    "Date": "2015-06-22"
  }
]

```

```
    }  
  ],  
  "Height": [  
    {  
      "RangeVital": "177",  
      "Unit": "cm",  
      "vital_sign": "Height",  
      "vital_sign_id": "7",  
      "Date": "2015-06-22"  
    }  
  ],  
  "Weight": [  
    {  
      "RangeVital": "88",  
      "Unit": "kg",  
      "vital_sign": "Weight",  
      "vital_sign_id": "8",  
      "Date": "2015-06-22"  
    }  
  ],  
  "BMI": [  
    {  
      "RangeVital": "28.1",  
      "Unit": "kg/sqr. m",  
      "vital_sign": "BMI",  
      "vital_sign_id": "9",  
      "Date": "2015-06-22"  
    }  
  ],  
  "Pain": [  
    {  
      "RangeVital": "",  
      "Unit": "",  
      "vital_sign": "Pain",  
      "vital_sign_id": "10",  
      "Date": "2015-06-22"  
    }  
  ]  
]
```



```

    }
  }
}
}

```

## 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 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:

## myCare iMedicWare API

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 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 DOS of the patient. This must be the value from the response of [getVisitDOS](#) API call. If start DOS 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

## myCare iMedicWare API

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

## myCare iMedicWare API

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

## myCare iMedicWare API

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"
        }
      ]
    }
  }
}
```

### 13. 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:

## myCare iMedicWare API

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
      }
    ]
  }
}

```

#### 14. 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	

Start date is based on DOS of the patient. This must be the value from the response of [getVisitDOS](#) API call. If start DOS 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."
          }
        ]
      }
    }
  }
}
```

## 15. 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 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"
        }
      ]
    }
  }
}
```

**16. HEALTH CONCERNS**

This call will provide data for CCDS category Health Concerns.

Endpoint:

{iDocURL}/IMWAPI/getClinicalData/healthConcerns

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:

## myCare iMedicWare API

```
{
  "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
<b>Concerns</b>		
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": ""
    }
  ]
}
]
}
}

```

## 17. VISIT DOS

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

### Endpoint:

{iDocURL}/IMWAPI/geVisitDOS

### 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 visit dates for the patient.

Sample JSON:

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

**18. CCDA**

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

Endpoint:

{iDocURL}/IMWAPI/geVisitDOS

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="https://production.imedicapps.com/imedicware_onc/interface/reports/ccd/CDA_IMW.xsl"?>
<!-- Title: Continuity of Care Document (CCD).-->
<ClinicalDocument xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="urn:hl7-org:v3" xmlns:voc="urn:hl7-org:v3/voc" xmlns:sdtc="urn:hl7-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 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"/>
  <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="20171107012523"/>
  <confidentialityCode code="N" codeSystem="2.16.840.1.113883.5.25"/>
  <languageCode code="en-US"/>
  <recordTarget>
    <patientRole>
      <id root="2.16.840.1.113883.4.6"/>
      <addr use="HP">
        <streetAddressLine>1357, Amber Dr</streetAddressLine>
        <streetAddressLine>Beaverton</streetAddressLine>
        <city>Aloha</city>
        <state>OR</state>
        <postalCode>97006</postalCode>
      </addr>
    </patientRole>
  </recordTarget>
</ClinicalDocument>
```

## myCare iMedicWare API

```
<country>US</country>
</addr>
<telecom value="tel:+1-555-723-1544" use="HP"/>
<telecom value="tel:+1-555-777-1234" use="MC"/>
<patient>
  <name>
    <given qualifier="CL">AliceG9</given>
    <given>Jones</given>
    <given qualifier="BR">Alicia</given>
    <family>NewmanG9</family>
  </name>
  <administrativeGenderCode code="F" codeSystem="2.16.840.1.113883.5.1" displayName="Female" codeSystemName="AdministrativeGender"/>
  <birthTime value="19700501"/>
  <maritalStatusCode code="M" displayName="Married" codeSystem="2.16.840.1.113883.5.2" codeSystemName="MaritalStatus"/>
  <raceCode code="2106-3" displayName="White" codeSystem="2.16.840.1.113883.6.238" codeSystemName="Race and Ethnicity - CDC"/>
  <sdct:raceCode code="2108-9" displayName="White European" codeSystem="2.16.840.1.113883.6.238" codeSystemName="Race and Ethnicity - CDC"/>
  <ethnicGroupCode code="2186-5" displayName="Not Hispanic or Latino" codeSystem="2.16.840.1.113883.6.238" codeSystemName="Race and Ethnicity - CDC"/>
  <languageCommunication>
    <languageCode code="en"/>
    <modeCode code="ESP" displayName="Expressed spoken" codeSystem="2.16.840.1.113883.5.60" codeSystemName="LanguageAbilityMode"/>
    <preferenceInd value="true"/>
  </languageCommunication>
</patient>
</patientRole>
</recordTarget>
<author>
  <time value="20171107012523"/>
  <assignedAuthor>
    <id extension="9876543210" root="2.16.840.1.113883.4.6"/>
    <addr use="WP">
      <streetAddressLine>2472, Rocky place</streetAddressLine>
      <city>Beverton</city>
      <state>OR</state>
      <postalCode>97006</postalCode>
    </addr>
  </assignedAuthor>
</author>
</recordTarget>
```



## myCare iMedicWare API

```
<country>US</country>
</addr>
<telecom use="WP" value="tel:+1-555-555-1002"/>
<assignedPerson>
  <name>
    <given qualifier="CL">Admin</given>
    <family>iMedicWare</family>
  </name>
</assignedPerson>
</assignedAuthor>
</author>
<dataEnterer>
  <assignedEntity>
    <id root="2.16.840.1.113883.19.5" extension="9876543210"/>
    <addr use="WP">
      <streetAddressLine>2472, Rocky place</streetAddressLine>
      <city>Beverton</city>
      <state>OR</state>
      <postalCode>97006</postalCode>
      <country>US</country>
    </addr>
    <telecom use="WP" value="tel:+1-555-555-1002"/>
    <assignedPerson>
      <name>
        <given>Admin</given>
        <family>iMedicWare</family>
      </name>
    </assignedPerson>
  </assignedEntity>
</dataEnterer>
<custodian>
  <assignedCustodian>
    <representedCustodianOrganization>
      <id root="1.1.1.1.1.1.1.2"/>
      <name>Brick</name>
      <telecom use="WP" value="tel:+1-555-555-1002"/>
      <addr>
        <streetAddressLine>2472, Rocky place</streetAddressLine>
```

## myCare iMedicWare API

```
<city>Beverton</city>
<state>OR</state>
<postalCode>97006</postalCode>
<country>US</country>
</addr>
</representedCustodianOrganization>
</assignedCustodian>
</custodian>
<documentationOf>
  <serviceEvent classCode="PCPR">
    <effectiveTime>
      <low value="20171107012523"/>
      <high value="20171107012523"/>
    </effectiveTime>
    <performer typeCode="PRF">
      <functionCode code="PCP" displayName="Primary Care Provider" codeSystem="2.16.8
40.1.113883.5.88" codeSystemName="participationFunction">
        <originalText>Primary Care Provider</originalText>
      </functionCode>
      <assignedEntity>
        <!-- NPI 12345 -->
        <id extension="7418529639" root="2.16.840.1.113883.4.6"/>
        <addr use="WP">
          <streetAddressLine>2472, Rocky place</streetAddressLine>
          <city>Beverton</city>
          <state>OR</state>
          <postalCode>97006</postalCode>
          <country>US</country>
        </addr>
        <telecom use="WP" value="tel:+1-555-555-1002"/>
      </assignedEntity>
      <assignedPerson>
        <name>
          <given>Dr. Albert</given>
          <family>Davis</family>
        </name>
      </assignedPerson>
    </representedOrganization>
    <id nullFlavor="NI"/>
  </serviceEvent>
</documentationOf>
```

## myCare iMedicWare API

```
<name>Toms River</name>
<telecom use="WP" value="tel:+1-555-555-1002"/>
<addr>
  <streetAddressLine>2472, Rocky place</streetAddressLine>
  <city>Beverton</city>
  <state>OR</state>
  <postalCode>97006</postalCode>
  <country>US</country>
</addr>
</representedOrganization>
</assignedEntity>
</performer>
<performer typeCode="PRF">
  <functionCode code="NASST" displayName="nurse assistant" codeSystem="2.16.840.
1.113883.5.88" codeSystemName="participationFunction"/>
  <assignedEntity>
    <!-- NPI 12345 -->
    <id nullFlavor="NI"/>
    <addr use="WP">
      <streetAddressLine>2472, Rocky place</streetAddressLine>
      <city>Beverton</city>
      <state>OR</state>
      <postalCode>97006</postalCode>
      <country>US</country>
    </addr>
    <telecom use="WP" value="tel:+1-555-555-1002"/>
  </assignedPerson>
    <name>
      <given>Tracy</given>
      <family>Davis</family>
    </name>
  </assignedPerson>
</assignedEntity>
</performer>
</serviceEvent>
</documentationOf>
<component>
  <structuredBody>
```

## myCare iMedicWare API

```
<!-- SOCIAL HISTORY SECTION -->
<component>
  <section>
    <templated root="2.16.840.1.113883.10.20.22.2.17" extension="2015-08-01"/>
    <templated 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>
      <table border="1" width="100%">
        <thead>
          <tr>
            <th>Social History Observation</th>
            <th>Description</th>
            <th>Dates Observed</th>
          </tr>
        </thead>
        <tbody>
          <tr>
            <td>Smoking Status</td>
            <td>Current every day smoker (SNOMED-CT: 449868002)</td>
            <td>06/22/2015</td>
          </tr>
        </tbody>
      </table>
    </text>
    <entry typeCode="DRIV">
      <observation classCode="OBS" moodCode="EVN">
        <!-- ** Smoking Status - Meaningful Use (V2) ** -->
        <templated root="2.16.840.1.113883.10.20.22.4.78" extension="2014-06-09"/>
        <templated root="2.16.840.1.113883.10.20.22.4.78"/>
        <id nullFlavor="NI"/>
        <!-- code SHALL be 72166-2 for Smoking Status - Meaningful Use (V2) -db -
->
        <code code="72166-2" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Tobacco smoking status NHIS"/>
        <statusCode code="completed"/>
      </observation>
    </entry>
  </section>
</component>
```

## myCare iMedicWare API

```
-->
    <!-- The effectiveTime reflects when the current smoking status was observed.
-->
    <effectiveTime value="20150622"/>
    <!-- The value represents the patient's smoking status currently observed. -->
    <!-- Consol Smoking Status Meaningful Use2 SHALL contain exactly one [1..1]
value (CONF:1098-14810), which SHALL be selected from ValueSet Current Smoking Status
2.16.840.1.113883.11.20.9.38 STATIC 2014-09-01 (CONF:1098-14817) -db -->
    <value xsi:type="CD" code="449868002" displayName="Current every day smok
er" codeSystem="2.16.840.1.113883.6.96"/>
    </observation>
</entry>
<!-- Add Birth Sex entry -->
<entry>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.22.4.200" extension="2016-06-01"/>
        <code code="76689-9" codeSystem="2.16.840.1.113883.6.1" codeSystemName=
"LOINC" displayName="Sex Assigned At Birth"/>
        <text>
            <reference value="#BirthSexInfo"/>
        </text>
        <statusCode code="completed"/>
        <effectiveTime value="20150622"/>
        <value code="F" codeSystem="2.16.840.1.113883.5.1" xsi:type="CD" displayNam
e="Female"/>
    </observation>
</entry>
</section>
</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="LOI
NC" displayName="History of medications"/>
        <title>MEDICATIONS</title>
        <text>
            <table border="1" width="100%">
                <thead>
                    <tr>
```

## myCare iMedicWare API

```
<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="Med177862">Ceftriaxone 100MG/ML [RxNorm: 309090]
</content>
</td>
<td>Jun 22,2015</td>
<td>Jun 30,2015</td>
<td ID="MEDROUTE177862">INJECTABLE</td>
<td ID="MEDFORM177862">1 unit</td>
<td ID="Instruct177862">Two times daily</td>
</tr>
<tr>
<td>
<content ID="Med177863">Tylenol 500mg [RxNorm: 209459]</conten
t>
</td>
<td>Jun 22,2015</td>
<td>Jul 01,2015</td>
<td ID="MEDROUTE177863">ORAL</td>
<td ID="MEDFORM177863">1 unit</td>
<td ID="Instruct177863">As needed</td>
</tr>
<tr>
<td>
<content ID="Med177864">Aranesp 0.5MG/ML [RxNorm: 731241]</con
tent>
</td>
<td>Jun 22,2015</td>
<td/>
<td ID="MEDROUTE177864">INJECTABLE</td>
```

## myCare iMedicWare API

```
<td ID="MEDFORM177864">1 unit</td>
<td ID="Instruct177864">Once a week</td>
</tr>
</tbody>
</table>
</text>
<entry typeCode="DRIV">
  <substanceAdministration classCode="SBADM" moodCode="EVN">
    <templated root="2.16.840.1.113883.10.20.22.4.16" extension="2014-06-09"/>
    <templated root="2.16.840.1.113883.10.20.22.4.16"/>
    <id nullFlavor="NI"/>
    <text><reference value="#Med177862"/>Ceftriaxone 100MG/ML [RxNorm: 3
09090]</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="INJECTABLE"/>
    <doseQuantity value="1"/>
    <consumable>
      <manufacturedProduct classCode="MANU">
        <templated root="2.16.840.1.113883.10.20.22.4.23" extension="2014-06-09"
/>
        <templated 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 100MG/ML"/>
        </manufacturedMaterial>
      </manufacturedProduct>
    </consumable>
  </substanceAdministration>
</entry>
<entry typeCode="DRIV">
  <substanceAdministration classCode="SBADM" moodCode="EVN">
    <templated root="2.16.840.1.113883.10.20.22.4.16" extension="2014-06-09"/>
    <templated root="2.16.840.1.113883.10.20.22.4.16"/>
    <id nullFlavor="NI"/>
```

## myCare iMedicWare API

```
ext> <text><reference value="#Med177863"/>Tylenol 500mg [RxNorm: 209459]</t
ext>
  <statusCode code="completed"/>
  <effectiveTime xsi:type="IVL_TS">
    <low value="20150622"/>
    <high value="20150701"/>
  </effectiveTime>
  <routeCode code="C38288" codeSystem="2.16.840.1.113883.3.26.1.1" codeSyst
emName="National Cancer Institute (NCI) Thesaurus" displayName="ORAL"/>
  <doseQuantity value="1"/>
  <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" codeSystem
Name="RxNorm" displayName="Tylenol 500mg"/>
      </manufacturedMaterial>
    </manufacturedProduct>
  </consumable>
</substanceAdministration>
</entry>
<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 nullFlavor="NI"/>
    <text><reference value="#Med177864"/>Aranesp 0.5MG/ML [RxNorm: 73124
1]</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" codeSyst
emName="National Cancer Institute (NCI) Thesaurus" displayName="INJECTABLE"/>
    <doseQuantity value="1"/>
    <consumable>
      <manufacturedProduct classCode="MANU">
```



## myCare iMedicWare API

```

/>
    <templated root="2.16.840.1.113883.10.20.22.4.23" extension="2014-06-09"
    <templated root="2.16.840.1.113883.10.20.22.4.23"/>
    <manufacturedMaterial>
        <code code="731241" codeSystem="2.16.840.1.113883.6.88" codeSystem
Name="RxNorm" displayName="Aranesp 0.5MG/ML"/>
    </manufacturedMaterial>
    </manufacturedProduct>
</consumable>
</substanceAdministration>
</entry>
</section>
</component>
<!-- ALLERGIES SECTION -->
<component>
    <section>
        <templated root="2.16.840.1.113883.10.20.22.2.6.1" extension="2015-08-01"/>
        <templated 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="LOI
NC" displayName="History of allergies"/>
        <title>ALLERGIES & REACTIONS</title>
        <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_177860">
                        <td ID="ALGTYPE_177860">Drug allergy (disorder)</td>
                        <td ID="ALGSUB_177860">Penicillin G</td>
                        <td ID="ALGBEGIN_177860">

```



## myCare iMedicWare API

```
<effectiveTime>
  <low value="19800510"/>
</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_177860"/>Penicillin G</originalText>
</value>
<participant typeCode="CSM">
  <participantRole classCode="MANU">
    <playingEntity classCode="MMAT">
      <code code="7980" displayName="Penicillin G" codeSystem="2.16.840.1.113883.6.88" codeSystemName="RxNorm">
        <originalText>
          <reference value="#ALGSUB_177860"/>
        </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="Active"/>
  </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="2014-06-09"/>
    <templateId root="2.16.840.1.113883.10.20.22.4.9"/>
    <id nullFlavor="NI"/>
    <code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4"/>
    <text><reference value="#ALGREACT_177860"/>Hives
  </observation>
</entryRelationship>
```

## myCare iMedicWare API

```

                </text>
                <statusCode code="completed"/>
                <value xsi:type="CD" code="247472004" codeSystem="2.16.840.1.1138
83.6.96" 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" codeSyste
m="2.16.840.1.113883.5.4" codeSystemName="ActCode"/>
                        <text>
                            <reference value="#ALGRESEV_177860"/>
                        </text>
                        <statusCode code="completed"/>
                        <value xsi:type="CD" code="6736007" displayName="Moderate" co
deSystem="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 nullFlavor="NI"/>
        <!-- Allergy Problem Act template -->
        <code code="CONC" codeSystem="2.16.840.1.113883.5.6"/>
        <statusCode code="active"/>
        <effectiveTime>
            <low value="19800510"/>
        </effectiveTime>
        <entryRelationship typeCode="SUBJ">
            <observation classCode="OBS" moodCode="EVN">

```

## myCare iMedicWare API

```
<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 nullFlavor="NI"/>
<!-- Allergy - intolerance observation template -->
<code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4"/>
<statusCode code="completed"/>
<effectiveTime>
  <low value="19800510"/>
</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_177861"/>Ampicillin</originalText>
  </value>
  <participant typeCode="CSM">
    <participantRole classCode="MANU">
      <playingEntity classCode="MMAT">
        <code code="733" displayName="Ampicillin" codeSystem="2.16.840.1.113883.6.88" codeSystemName="RxNorm">
          <originalText>
            <reference value="#ALGSUB_177861"/>
          </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="Active"/>
    </observation>
  </entryRelationship>
  <entryRelationship typeCode="MFST" inversionInd="true">
    <observation classCode="OBS" moodCode="EVN">
```

## myCare iMedicWare API

```
9"/>
    <templateId root="2.16.840.1.113883.10.20.22.4.9" extension="2014-06-0
    <templateId root="2.16.840.1.113883.10.20.22.4.9"/>
    <id nullFlavor="NI"/>
    <code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4"/>
    <text><reference value="#ALGREACT_177861"/>Hives
    </text>
    <statusCode code="completed"/>
    <value xsi:type="CD" code="247472004" codeSystem="2.16.840.1.1138
83.6.96" 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" codeSyste
m="2.16.840.1.113883.5.4" codeSystemName="ActCode"/>
    <text>
    <reference value="#ALGRESEV_177861"/>
    </text>
    <statusCode code="completed"/>
    <value xsi:type="CD" code="6736007" displayName="Moderate" co
deSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED-CT"/>
    </observation>
    </entryRelationship>
    </observation>
    </entryRelationship>
    </observation>
    </entryRelationship>
    </act>
    </entry>
    </section>
</component>
<!-- IMMUNIZATION SECTION -->
<component>
    <section>
    <templateId root="2.16.840.1.113883.10.20.22.2.1"/>
    <!-- ***** Immunizations section template ***** -->
```

## myCare iMedicWare API

```
<code code="11369-6" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="History of immunizations"/>
<title>IMMUNIZATIONS</title>
<text>
<table border="1" width="100%">
  <thead>
    <tr>
      <th>Vaccine Code</th>
      <th>Vaccine Name</th>
      <th>Date</th>
      <th>Status</th>
      <th>Lot#</th>
      <th>Manufacturer</th>
      <th>Additional Notes</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td><content ID="immun333"/>CVX: 106</td>
      <td>Tetanus and diphtheria toxoids</td>
      <td>Jan 04,2012</td>
      <td>Completed</td>
      <td>2</td>
      <td>Immuno Inc.</td>
      <td>
        <br/>
      </td>
    </tr>
    <tr>
      <td><content ID="immun334"/>CVX: 166</td>
      <td>Influenza, Intradermal, Quadrivalent, Preservative Free</td>
      <td>Jun 22,2015</td>
      <td>Cancelled</td>
      <td/>
      <td>Immuno Inc.</td>
      <td>Immunization was not given<br/>Patient rejected immunization</td>
    </tr>
  </tbody>
</table>
```

## myCare iMedicWare API

```
</table>
</text>
<entry typeCode="DRIV">
  <substanceAdministration classCode="SBADM" moodCode="EVN" negationInd="false">
    <templateId root="2.16.840.1.113883.10.20.22.4.52" extension="2015-08-01"/>
    <templateId root="2.16.840.1.113883.10.20.22.4.52"/>
    <id nullFlavor="NI"/>
    <!-- **** Immunization activity template **** -->
    <text>
      <reference value="#immun333"/>
    </text>
    <statusCode code="completed"/>
    <effectiveTime xsi:type="IVL_TS" value="20120104"/>
    <routeCode nullFlavor="NI"/>
    <doseQuantity nullFlavor="NI"/>
    <consumable>
      <manufacturedProduct classCode="MANU">
        <templateId root="2.16.840.1.113883.10.20.22.4.54" extension="2014-06-09"/>
        <templateId root="2.16.840.1.113883.10.20.22.4.54"/>
        <!-- **** Immunization Medication Information **** -->
        <manufacturedMaterial>
          <code code="106" codeSystem="2.16.840.1.113883.12.292" codeSystemName="CVX" displayName="106 - Tetanus and diphtheria toxoids">
            <originalText><reference value="#immun333"/>106 - Tetanus and diphtheria toxoids</originalText>
          </code>
        </manufacturedMaterial>
        <manufacturerOrganization>
          <name>Immuno Inc.</name>
        </manufacturerOrganization>
      </manufacturedProduct>
    </consumable>
  </substanceAdministration>
</entry>
<entry typeCode="DRIV">
  <substanceAdministration classCode="SBADM" moodCode="EVN" negationInd="false">
    <templateId root="2.16.840.1.113883.10.20.22.4.52" extension="2015-08-01"/>
```



## myCare iMedicWare API

```
<templateId root="2.16.840.1.113883.10.20.22.4.52"/>
<id nullFlavor="NI"/>
<!-- **** Immunization activity template **** -->
<text>
  <reference value="#immun334"/>
</text>
<statusCode code="completed"/>
<effectiveTime xsi:type="IVL_TS" value="20150622"/>
<routeCode nullFlavor="NI"/>
<doseQuantity nullFlavor="NI"/>
<consumable>
  <manufacturedProduct classCode="MANU">
    <templateId root="2.16.840.1.113883.10.20.22.4.54" extension="2014-06-09"
/>
    <templateId root="2.16.840.1.113883.10.20.22.4.54"/>
    <!-- **** Immunization Medication Information **** -->
    <manufacturedMaterial>
      <code code="166" codeSystem="2.16.840.1.113883.12.292" codeSystemName="CVX" displayName="166 - Influenza, Intradermal, Quadrivalent, Preservative Free">
        <originalText><reference value="#immun334"/>166 - Influenza, Intradermal, Quadrivalent, Preservative Free</originalText>
      </code>
    </manufacturedMaterial>
    <manufacturerOrganization>
      <name>Immuno Inc.</name>
    </manufacturerOrganization>
  </manufacturedProduct>
</consumable>
</substanceAdministration>
</entry>
</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 Time</th>
      </tr>
    </thead>
    <tbody>
      <tr>
        <td>B/P - Systolic</td>
        <td ID="VS_Val_7911">145 mm[Hg]</td>
        <td ID="VS_7911">Jun 22,2015</td>
      </tr>
      <tr>
        <td>B/P - Diastolic</td>
        <td ID="VS_Val_7912">88 mm[Hg]</td>
        <td ID="VS_7912">Jun 22,2015</td>
      </tr>
      <tr>
        <td>pulse</td>
        <td ID="VS_Val_7913">80 /min</td>
        <td ID="VS_7913">Jun 22,2015</td>
      </tr>
      <tr>
        <td>Respiration</td>
        <td ID="VS_Val_7914">18 /min</td>
        <td ID="VS_7914">Jun 22,2015</td>
      </tr>
      <tr>
        <td>O2Sat</td>
        <td ID="VS_Val_7915">95 %</td>
        <td ID="VS_7915">Jun 22,2015</td>
      </tr>
      <tr>
        <td>Temperature</td>

```

## myCare iMedicWare API

```
<td ID="VS_Val_7916">38 Cel</td>
<td ID="VS_7916">Jun 22,2015</td>
</tr>
<tr>
<td>Height</td>
<td ID="VS_Val_7917">177 cm</td>
<td ID="VS_7917">Jun 22,2015</td>
</tr>
<tr>
<td>Weight</td>
<td ID="VS_Val_7918">88 kg</td>
<td ID="VS_7918">Jun 22,2015</td>
</tr>
<tr>
<td>BMI</td>
<td ID="VS_Val_7919">28.1 kg/m2</td>
<td ID="VS_7919">Jun 22,2015</td>
</tr>
<tr>
<td>InhaleO2</td>
<td ID="VS_Val_7921">36 %</td>
<td ID="VS_7921">Jun 22,2015</td>
</tr>
</tbody>
</table>
</text>
<entry typeCode="DRIV">
<organizer classCode="CLUSTER" moodCode="EVN">
<!-- Vital Signs Organizer template -->
<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 nullFlavor="NI"/>
<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"/>
```

## myCare iMedicWare API

```
<effectiveTime>
  <low value="20150622"/>
  <high value="20150622"/>
</effectiveTime>
<component>
  <!-- VITAL SIGN OBSERVATIONS -->
  <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 nullFlavor="NI"/>
    <code code="8480-6" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="BP Systolic"/>
    <statusCode code="completed"/>
    <effectiveTime value="20150622"/>
    <value xsi:type="PQ" value="145" unit="mm[Hg]"/>
  </observation>
</component>
<component>
  <!-- VITAL SIGN OBSERVATIONS -->
  <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 nullFlavor="NI"/>
    <code code="8462-4" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="BP Diastolic"/>
    <statusCode code="completed"/>
    <effectiveTime value="20150622"/>
    <value xsi:type="PQ" value="88" unit="mm[Hg]"/>
  </observation>
</component>
<component>
  <!-- VITAL SIGN OBSERVATIONS -->
  <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 nullFlavor="NI"/>
```

## myCare iMedicWare API

```
<code code="8867-4" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Heart Rate"/>
  <statusCode code="completed"/>
  <effectiveTime value="20150622"/>
  <value xsi:type="PQ" value="80" unit="/min"/>
</observation>
</component>
<component>
  <!-- VITAL SIGN OBSERVATIONS -->
  <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 nullFlavor="NI"/>
    <code code="9279-1" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Respiratory Rate"/>
    <statusCode code="completed"/>
    <effectiveTime value="20150622"/>
    <value xsi:type="PQ" value="18" unit="/min"/>
  </observation>
</component>
<component>
  <!-- VITAL SIGN OBSERVATIONS -->
  <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 nullFlavor="NI"/>
    <code code="59408-5" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="O2 % BldC Oximetry"/>
    <statusCode code="completed"/>
    <effectiveTime value="20150622"/>
    <value xsi:type="PQ" value="95" unit="%"/>
  </observation>
</component>
<component>
  <!-- VITAL SIGN OBSERVATIONS -->
  <observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.22.4.27" extension="2014-06-09"
/>
```

## myCare iMedicWare API

```
<templateId root="2.16.840.1.113883.10.20.22.4.27"/>
  <id nullFlavor="NI"/>
  <code code="8310-5" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Body Temperature"/>
  <statusCode code="completed"/>
  <effectiveTime value="20150622"/>
  <value xsi:type="PQ" value="38" unit="Cel"/>
</observation>
</component>
<component>
  <!-- VITAL SIGN OBSERVATIONS -->
  <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 nullFlavor="NI"/>
    <code code="8302-2" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Height"/>
    <statusCode code="completed"/>
    <effectiveTime value="20150622"/>
    <value xsi:type="PQ" value="177" unit="cm"/>
  </observation>
</component>
<component>
  <!-- VITAL SIGN OBSERVATIONS -->
  <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 nullFlavor="NI"/>
    <code code="29463-7" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Weight Measured"/>
    <statusCode code="completed"/>
    <effectiveTime value="20150622"/>
    <value xsi:type="PQ" value="88" unit="kg"/>
  </observation>
</component>
<component>
  <!-- VITAL SIGN OBSERVATIONS -->
  <observation classCode="OBS" moodCode="EVN">
```

## myCare iMedicWare API

```

    <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 nullFlavor="NI"/>
    <code code="39156-5" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="BMI (Body Mass Index)"/>
    <statusCode code="completed"/>
    <effectiveTime value="20150622"/>
    <value xsi:type="PQ" value="28.1" unit="kg/m2"/>
  </observation>
</component>
<component>
  <!-- VITAL SIGN OBSERVATIONS -->
  <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 nullFlavor="NI"/>
    <code code="3150-0" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Inhaled Oxygen Concentration"/>
    <statusCode code="completed"/>
    <effectiveTime value="20150622"/>
    <value xsi:type="PQ" value="36" unit=""/>
  </observation>
</component>
</organizer>
</entry>
</section>
</component>
<!-- PROBLEM SECTION -->
<component>
  <section>
    <!-- Problem Section with Coded Entries Required templateID -->
    <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%">

```

## myCare iMedicWare API

```
<thead>
  <tr>
    <th>Problem</th>
    <th>Effective Dates</th>
    <th>Problem Type</th>
    <th>Problem Status</th>
  </tr>
</thead>
<tbody>
  <tr ID="PROBSUMMARY_121920">
    <td ID="PROBKIND_121920">FEVER - FINDING; The patient was found to have fever and Dr Davis is suspecting Anemia based on the patient history. So Dr Davis asked the patient to closely monitor the temperature and blood pressure and get admitted to Community Health Hospitals if the fever does not subside within a day. (R50.9) [SNOMED-CT: 386661006]</td>
    <td>Jun 22,2015</td>
    <td ID="PROBTYPE_121920"/>
    <td ID="PROBSTATUS_121920">Active</td>
  </tr>
  <tr ID="PROBSUMMARY_121918">
    <td ID="PROBKIND_121918">Chronic rejection of renal transplant [SNOMED-CT: 236578006]</td>
    <td>Dec 31,2011</td>
    <td ID="PROBTYPE_121918">Disorder</td>
    <td ID="PROBSTATUS_121918">Active</td>
  </tr>
  <tr ID="PROBSUMMARY_121916">
    <td ID="PROBKIND_121916">Essential hypertension [SNOMED-CT: 59621000]</td>
    <td>Oct 05,2011</td>
    <td ID="PROBTYPE_121916">Disorder</td>
    <td ID="PROBSTATUS_121916">Active</td>
  </tr>
  <tr ID="PROBSUMMARY_121919">
    <td ID="PROBKIND_121919">Overweight [SNOMED-CT: 238131007]</td>
    <td>Jun 01,2007</td>
    <td ID="PROBTYPE_121919">Finding</td>
    <td ID="PROBSTATUS_121919">Completed</td>
  </tr>
  <tr ID="PROBSUMMARY_121917">
```



## myCare iMedicWare API

```

005]</td>      <td ID="PROBKIND_121917">Severe Hypothyroidism [SNOMED-CT: 83986
                  <td>Dec 31,2006</td>
                  <td ID="PROBTYPE_121917">Disorder</td>
                  <td ID="PROBSTATUS_121917">Active</td>
                </tr>
            </tbody>
        </table>
    </text>
    <!-- Problem Concern Act -->
    <entry>
        <act classCode="ACT" moodCode="EVN">
            <!-- Problem Concern Act template -->
            <templated root="2.16.840.1.113883.10.20.22.4.3" extension="2015-08-01"/>
            <templated root="2.16.840.1.113883.10.20.22.4.3"/>
            <id nullFlavor="NI"/>
            <code code="CONC" codeSystem="2.16.840.1.113883.5.6" displayName="Conce
rn"/>
            <statusCode code="active"/>
            <effectiveTime>
                <low value="20150622"/>
            </effectiveTime>
            <entryRelationship typeCode="SUBJ">
                <observation classCode="OBS" moodCode="EVN">
                    <!-- Problem Observation template -->
                    <templated root="2.16.840.1.113883.10.20.22.4.4" extension="2015-08-01"/>
                    <templated root="2.16.840.1.113883.10.20.22.4.4"/>
                    <id nullFlavor="NI"/>
                    <code nullFlavor="NI"/>
                    <statusCode code="completed"/>
                    <effectiveTime>
                        <low value="20150622"/>
                    </effectiveTime>
                    <value xsi:type="CD" code="386661006" codeSystem="2.16.840.1.113883.6.
96" codeSystemName="SNOMED CT" displayName="FEVER - FINDING; The patient was fou
nd to have fever and Dr Davis is suspecting Anemia based on the patient history. So Dr Da
vis asked the patient to closely monitor the temperature and blood pressure and get admitted
to Community Health Hospitals if the fever does not subside within a day. (R50.9)"/>
                </observation>
            </entryRelationship>

```



## myCare iMedicWare API

```
<statusCode code="active"/>
<effectiveTime>
  <low value="20111005"/>
</effectiveTime>
<entryRelationship typeCode="SUBJ">
  <observation classCode="OBS" moodCode="EVN">
    <!-- Problem Observation template -->
    <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 nullFlavor="NI"/>
    <code nullFlavor="NI"/>
    <statusCode code="completed"/>
    <effectiveTime>
      <low value="20111005"/>
    </effectiveTime>
    <value xsi:type="CD" code="59621000" codeSystem="2.16.840.1.113883.6.9
6" codeSystemName="SNOMED CT" displayName="Essential hypertension"/>
  </observation>
</entryRelationship>
</act>
</entry>
<entry>
  <act classCode="ACT" moodCode="EVN">
    <!-- Problem Concern Act template -->
    <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 nullFlavor="NI"/>
    <code code="CONC" codeSystem="2.16.840.1.113883.5.6" displayName="Conce
rn"/>
    <statusCode code="active"/>
    <effectiveTime>
      <low value="20070601"/>
    </effectiveTime>
    <entryRelationship typeCode="SUBJ">
      <observation classCode="OBS" moodCode="EVN">
        <!-- Problem Observation template -->
        <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"/>
```

## myCare iMedicWare API

```
<id nullFlavor="NI"/>
  <code code="404684003" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Finding">
    <translation code="75321-0" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Finding"/>
  </code>
  <statusCode code="completed"/>
  <effectiveTime>
    <low value="20070601"/>
  </effectiveTime>
  <value xsi:type="CD" code="238131007" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Overweight"/>
</observation>
</entryRelationship>
</act>
</entry>
<entry>
  <act classCode="ACT" moodCode="EVN">
    <!-- Problem Concern Act template -->
    <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 nullFlavor="NI"/>
    <code code="CONC" codeSystem="2.16.840.1.113883.5.6" displayName="Concern"/>
    <statusCode code="active"/>
    <effectiveTime>
      <low value="20061231"/>
    </effectiveTime>
    <entryRelationship typeCode="SUBJ">
      <observation classCode="OBS" moodCode="EVN">
        <!-- Problem Observation template -->
        <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 nullFlavor="NI"/>
        <code nullFlavor="NI"/>
        <statusCode code="completed"/>
        <effectiveTime>
          <low value="20061231"/>
        </effectiveTime>
      </observation>
    </entryRelationship>
  </act>
</entry>

```

## myCare iMedicWare API

```
<value xsi:type="CD" code="83986005" codeSystem="2.16.840.1.113883.6.9
6" codeSystemName="SNOMED CT" displayName="Severe Hypothyroidism"/>
</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="LOI
NC" 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>24357-6</td>
<td>LOINC</td>
<td colspan="3">Urinalysis macro (dipstick) panel</td>
<td>06-22-2015</td>
</tr>
<tr>
<th colspan="7">LABORATORY TEST RESULTS</th>
</tr>
<tr>
<th>Result Code</th>
```

## myCare iMedicWare API

```
<th>Code System</th>
<th>Type</th>
<th>Value & Units</th>
<th>Date</th>
<th>Ref. Range</th>
</tr>
<tr>
<td>5778-6</td>
<td>LOINC</td>
<td>Color of Urine</td>
<td>YELLOW </td>
<td>06-22-2015</td>
<td>YELLOW</td>
</tr>
<tr>
<td>5767-9</td>
<td>LOINC</td>
<td>Appearance of Urine</td>
<td>CLEAR </td>
<td>06-22-2015</td>
<td>CLEAR</td>
</tr>
<tr>
<td>5811-5</td>
<td>LOINC</td>
<td>Specific gravity of Urine by Test strip</td>
<td>1.015 </td>
<td>06-22-2015</td>
<td>1.005 – 1.030</td>
</tr>
<tr>
<td>5803-2</td>
<td>LOINC</td>
<td>pH of Urine by Test strip</td>
<td>5.0 [pH]</td>
<td>06-22-2015</td>
<td>5.0-8.0</td>
</tr>
```

## myCare iMedicWare API

```
<tr>
  <td>5792-7</td>
  <td>LOINC</td>
  <td>Glucose [Mass/volume] in urine by test strip</td>
  <td>50 mg/dL</td>
  <td>06-22-2015</td>
  <td>Neg</td>
</tr>
<tr>
  <td>5797-6</td>
  <td>LOINC</td>
  <td>Ketones [Mass/Volume] in urine by test strip</td>
  <td>Negative </td>
  <td>06-22-2015</td>
  <td>Negative</td>
</tr>
<tr>
  <td>5804-0</td>
  <td>LOINC</td>
  <td>Protein[Mass/Volume] in urine by test strip</td>
  <td>100 mg/dL</td>
  <td>06-22-2015</td>
  <td>negative</td>
</tr>
<tr>
  <td colspan="6">
    ID: 2.16.840.1.113883.19.5<br/>
    Lab Name: Value Labs<br/>
    Address: 2474, Rocky place, Beaverton<br/>
    City: Aloha<br/>
    State: OR<br/>
    Zip: 97006<br/>
    Phone: 555-666-1002<br/>
  </td>
</tr>
<tr>
  <td colspan="6" align="center">----</td>
</tr>
```

## myCare iMedicWare API

```
<tr>
  <th>Test Code</th>
  <th>Code System</th>
  <th colspan="3">Lab Test Name</th>
  <th>Date</th>
</tr>
<tr>
  <td>24357-6</td>
  <td>LOINC</td>
  <td colspan="3">Urinalysis macro (dipstick) panel</td>
  <td>00-00-0000</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">
    <templated root="2.16.840.1.113883.10.20.22.4.1" extension="2015-08-01"/>
    <templated root="2.16.840.1.113883.10.20.22.4.1"/>
    <id nullFlavor="NI"/>
    <code code="24357-6" codeSystem="2.16.840.1.113883.6.1" codeSystemName="
LOINC" displayName="Urinalysis macro (dipstick) panel"/>
    <statusCode code="completed"/>
    <effectiveTime>
      <low value="20150622"/>
      <high value="20150622"/>
    </effectiveTime>
    <component>
      <observation classCode="OBS" moodCode="EVN">
        <!-- Result observation template -->
        <templated root="2.16.840.1.113883.10.20.22.4.2" extension="2015-08-01"/>
        <templated root="2.16.840.1.113883.10.20.22.4.2"/>
        <id nullFlavor="NI"/>
```



## myCare iMedicWare API

```
<code code="5778-6" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Color of Urine"/>
  <text>
    <reference value="#result1"/>
  </text>
  <statusCode code="completed"/>
  <effectiveTime value="20150622"/>
  <value xsi:type="ST">YELLOW</value>
  <interpretationCode code="N" codeSystem="2.16.840.1.113883.5.83"/>
</observation>
</component>
<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 code="5767-9" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Appearance of Urine"/>
    <text>
      <reference value="#result2"/>
    </text>
    <statusCode code="completed"/>
    <effectiveTime value="20150622"/>
    <value xsi:type="ST">CLEAR</value>
    <interpretationCode code="N" codeSystem="2.16.840.1.113883.5.83"/>
  </observation>
</component>
<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 code="5811-5" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Specific gravity of Urine by Test strip"/>
    <text>
      <reference value="#result3"/>
    </text>
```

## myCare iMedicWare API

```
<statusCode code="completed"/>
<effectiveTime value="20150622"/>
<value xsi:type="PQ" value="1.015"/>
<interpretationCode code="N" codeSystem="2.16.840.1.113883.5.83"/>
</observation>
</component>
<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 code="5803-2" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="pH of Urine by Test strip"/>
<text>
<reference value="#result4"/>
</text>
<statusCode code="completed"/>
<effectiveTime value="20150622"/>
<value xsi:type="PQ" value="5.0" unit="[pH]"/>
<interpretationCode code="N" codeSystem="2.16.840.1.113883.5.83"/>
</observation>
</component>
<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 code="5792-7" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Glucose [Mass/volume] in urine by test strip"/>
<text>
<reference value="#result5"/>
</text>
<statusCode code="completed"/>
<effectiveTime value="20150622"/>
<value xsi:type="PQ" value="50" unit="mg/dL"/>
<interpretationCode code="N" codeSystem="2.16.840.1.113883.5.83"/>
```

## myCare iMedicWare API

```
</observation>
</component>
<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 code="5797-6" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Ketones [Mass/Volume] in urine by test strip"/>
    <text>
      <reference value="#result6"/>
    </text>
    <statusCode code="completed"/>
    <effectiveTime value="20150622"/>
    <value xsi:type="ST">Negative</value>
    <interpretationCode code="N" codeSystem="2.16.840.1.113883.5.83"/>
  </observation>
</component>
<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 code="5804-0" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Protein[Mass/Volume] in urine by test strip"/>
    <text>
      <reference value="#result7"/>
    </text>
    <statusCode code="completed"/>
    <effectiveTime value="20150622"/>
    <value xsi:type="PQ" value="100" unit="mg/dL"/>
    <interpretationCode code="N" codeSystem="2.16.840.1.113883.5.83"/>
  </observation>
</component>
</organizer>
</entry>
```

```

</section>
</component>
<!-- ASSESSMENT SECTION -->
<!-- ASSESSMENT SECTION -->
<!-- Tere 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 & PLAN OF TREATMENT</title>
    <text>
      <table border="1" width="100%">
        <thead>
          <tr>
            <th>Assessment</th>
          </tr>
        </thead>
        <tbody>
          <tr>
            <td>
              <p>The patient was found to have fever and Dr Davis is suspecting Anemia based on the patient history. So Dr Davis asked the patient to closely monitor the temperature and blood pressure and get admitted to Community Health Hospitals if the fever does not subside within a day. </p>
            </td>
          </tr>
          <tr>
            <th>Plan of Treatment</th>
          </tr>
          <tr>
            <td>
              <p>i. Get an EKG done on 6/23/2015.<br/>
              ii. Get a Chest X-ray done on 6/23/2015 showing the Lower Respiratory Tract Structure.<br/>
              iii. Take Clindamycin 300mg three times a day as needed if pain does not subside<br/>
              iv. Schedule follow on visit with Neighborhood Physicians Practice on 7/1/2015.</p>
            </td>
          </tr>
        </tbody>
      </table>
    </text>
  </section>
</component>

```

## myCare iMedicWare API

```
<!-- ENCOUNTERS SECTION -->
<component>
  <section>
    <templated root="2.16.840.1.113883.10.20.22.2.22.1" extension="2015-08-01"/>
    <templated 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_problem121920">FEVER - FINDING</td>
            <td ID="enc_problem_location121920">Toms River - 2472, Rocky place,Bev erton OR - 97006</td>
            <td ID="enc_problem_date121920">Jun 22,2015</td>
          </tr>
        </tbody>
      </table>
    </text>
    <entry typeCode="DRIV">
      <encounter classCode="ENC" moodCode="EVN">
        <!-- Encounter Activities -->
        <templated root="2.16.840.1.113883.10.20.22.4.49" extension="2015-08-01"/>
        <templated root="2.16.840.1.113883.10.20.22.4.49"/>
        <id nullFlavor="NI"/>
        <code code="0123" displayName="comprehensive" codeSystem="2.16.840.1.113883.6.12" codeSystemVersion="4">
          <translation code="AMB" codeSystem="2.16.840.1.113883.5.4" displayName="Ambulatory" codeSystemName="HL7 ActEncounterCode"/>
        </code>
        <effectiveTime value="20150622"/>
      </encounter>
    </entry>
  </section>
</component>
```

## myCare iMedicWare API

```
<performer>
  <assignedEntity>
    <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 -->
    <code nullFlavor="NI"/>
    <addr>
      <streetAddressLine>2472, Rocky place</streetAddressLine>
      <city>Beverton</city>
      <state>OR</state>
      <postalCode>97006</postalCode>
      <country>US</country>
    </addr>
    <telecom use="WP" value="tel:+1-555-555-1002"/>
    <playingEntity classCode="PLC">
      <name>Toms River</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="2.16.840.1.113883.10.20.22.4.19"/>
    <id nullFlavor="NI"/>
    <code code="29308-4" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="ENCOUNTER DIAGNOSIS"/>
    <!-- <statusCode code="active"/> -->
    <effectiveTime>
      <low value="20150622"/>
    </effectiveTime>
  </entryRelationship typeCode="SUBJ" inversionInd="false">
```

## myCare iMedicWare API

```
<!-- Problem Observation (V3) -->
<observation classCode="OBS" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.22.4.4" extension="2015-08-0
1"/>
  <templateId root="2.16.840.1.113883.10.20.22.4.4"/>
  <id nullFlavor="NI"/>
  <code nullFlavor="NI"/>
  <!-- Problem Observation template -->
  <statusCode code="completed"/>
  <effectiveTime>
    <low value="20150622"/>
  </effectiveTime>
  <value xsi:type="CD" code="386661006" codeSystem="2.16.840.1.1138
83.6.96" codeSystemName="SNOMED CT" displayName="FEVER - FINDING"/>
  </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="LOI
NC" 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>
      </table>
    </text>
  </section>
</component>
</component>
```

## myCare iMedicWare API

```
</tr>
</thead>
<tbody>
  <tr>
    <td>LAB: Urinalysis macro (dipstick) panel [LOINC:24357-6]</td>
    <td/>
    <td>Diagnostic Test pending</td>
    <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="24357-6" codeSystem="2.16.840.1.113883.6.1" codeSystemName="
LOINC" displayName="Urinalysis macro (dipstick) panel"/>
    <statusCode code="new"/>
    <effectiveTime nullFlavor="NI"/>
  </observation>
</entry>
<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="24357-6" codeSystem="2.16.840.1.113883.6.1" codeSystemName="
LOINC" displayName="Urinalysis macro (dipstick) panel"/>
    <statusCode code="new"/>
    <effectiveTime nullFlavor="NI"/>
  </observation>
</entry>
</section>
</component>
<!-- INSTRUCTIONS SECTION -->
<component>
```



## myCare iMedicWare API

```
<section>
  <!-- Instructions template ID -->
  <templated root="2.16.840.1.113883.10.20.22.2.45"/>
  <id nullFlavor="NI"/>
  <code code="69730-0" codeSystem="2.16.840.1.113883.6.1" codeSystemVersion="L
OINC" displayName="Instructions"/>
  <title>INSTRUCTIONS</title>
  <text/>
</section>
</component>
<!-- FUNCTIONAL STATUS SECTION -->
<component>
  <section>
    <templated 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 AND CONGNITIVE STATUS</title>
    <text>
      <table border="1" width="100%">
        <thead>
          <tr>
            <th>Functional Status</th>
            <th>Cognitive Status</th>
          </tr>
        </thead>
        <tbody>
          <tr>
            <td>No Disability</td>
            <td/>
          </tr>
        </tbody>
      </table>
    </text>
    <entry typeCode="DRIV">
      <templated root="2.16.840.1.113883.10.20.22.4.74"/>
      <!-- **** Cognitive Status Result Observation template **** -->
      <organizer classCode="CLUSTER" moodCode="EVN">
        <templated root="2.16.840.1.113883.10.20.22.4.66"/>
```

## myCare iMedicWare API

```
<!-- Cognitive Status Result Organizer template -->
<id nullFlavor="NI"/>
<code nullFlavor="NI"/>
<statusCode code="completed"/>
<component>
  <observation classCode="OBS" moodCode="EVN">
    <!-- Functional Status Result observation(such as toileting) -->
    <templateId root="2.16.840.1.113883.10.20.22.4.67"/>
    <id nullFlavor="NI"/>
    <code code="66557003" displayName="No Disability" codeSystem="2.16.84
0.1.113883.6.96" codeSystemName="SNOMED CT"/>
    <statusCode code="completed"/>
    <effectiveTime nullFlavor="NI"/>
    <value xsi:type="CD" nullFlavor="NI"/>
  </observation>
</component>
</organizer>
</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="LOI
NC" 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 47 Yr. old female patient
          </td>
        </tbody>
      </table>
    </text>
  </section>
</component>
</td>
```

```

        </tr>
    </tbody>
</table>
</text>
</section>
</component>
<!-- PROCEDURES SECTION -->
<component>
    <section>
        <!-- Procedures section template -->
        <templated root="2.16.840.1.113883.10.20.22.2.7.1" extension="2014-06-09"/>
        <templated 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>Provider</th>
                    </tr>
                </thead>
                <tbody>
                    <tr>
                        <td ID="procedure_sx_177865">Nebulizer Therapy</td>
                        <td ID="date_sx_177865">Jun 22,2015</td>
                        <td>Davis, Albert</td>
                    </tr>
                    <tr>
                        <td ID="procedure_sx_177866">Introduction of cardiac pacemaker system v
ia vein</td>
                        <td ID="date_sx_177866">Oct 05,2011</td>
                        <td>Davis, Albert</td>
                    </tr>
                </tbody>
            </table>
        </text>
    </section>
</component>

```

## myCare iMedicWare API

```
</text>
<entry typeCode="DRIV">
  <procedure classCode="PROC" moodCode="EVN">
    <!-- Procedure Activity Procedure Template -->
    <templated root="2.16.840.1.113883.10.20.22.4.14" extension="2014-06-09"/>
    <templated root="2.16.840.1.113883.10.20.22.4.14"/>
    <id nullFlavor="NI"/>
    <code code="56251003" codeSystem="2.16.840.1.113883.6.96" displayName="Nebulizer Therapy" codeSystemName="SNOMED CT"/>
    <statusCode code="completed"/>
    <effectiveTime value="20150622"/>
    <performer>
      <assignedEntity>
        <!-- NPI 34567 -->
        <id extension="7894562543" root="2.16.840.1.113883.4.6"/>
        <addr>
          <city>Aloha</city>
          <state>OR</state>
          <postalCode>97006</postalCode>
          <country>US</country>
        </addr>
        <telecom nullFlavor="NI"/>
        <assignedPerson>
          <name>
            <given>Albert</given>
            <family>Davis</family>
          </name>
        </assignedPerson>
      </assignedEntity>
    </performer>
  </procedure>
</entry>
<entry typeCode="DRIV">
  <procedure classCode="PROC" moodCode="EVN">
    <!-- Procedure Activity Procedure Template -->
    <templated root="2.16.840.1.113883.10.20.22.4.14" extension="2014-06-09"/>
    <templated root="2.16.840.1.113883.10.20.22.4.14"/>
    <id nullFlavor="NI"/>
```

## myCare iMedicWare API

```
<code code="175135009" codeSystem="2.16.840.1.113883.6.96" displayName="I
ntroduction of cardiac pacemaker system via vein" codeSystemName="SNOMED CT"/>
<statusCode code="completed"/>
<effectiveTime value="20111005"/>
<performer>
  <assignedEntity>
    <!-- NPI 34567 -->
    <id extension="7894562543" root="2.16.840.1.113883.4.6"/>
    <addr>
      <city>Aloha</city>
      <state>OR</state>
      <postalCode>97006</postalCode>
      <country>US</country>
    </addr>
    <telecom nullFlavor="NI"/>
    <assignedPerson>
      <name>
        <given>Albert</given>
        <family>Davis</family>
      </name>
    </assignedPerson>
  </assignedEntity>
</performer>
<participant typeCode="DEV">
  <participantRole classCode="MANU">
    <!-- ** Product instance ** -->
    <templateId root="2.16.840.1.113883.10.20.22.4.37"/>
    <id assigningAuthorityName="FDA" extension="(01)00643169007222(17)160
128(21)BLC200461H" root="2.16.840.1.113883.3.3719"/>
    <playingDevice>
      <!-- the actual UDI device -db -->
      <code nullFlavor="UNK">
        <originalText>
          <reference value="#procedure_sx_177866"/>
        </originalText>
      </code>
    </playingDevice>
    <!-- FDA Scoping Entity OID for UDI-db -->
```

```

        <scopingEntity>
            <id root="2.16.840.1.113883.3.3719"/>
        </scopingEntity>
    </participantRole>
</participant>
</procedure>
</entry>
</section>
</component>
<!-- REASON FOR REFERRAL SECTION -->
<component>
    <section>
        <templateId root="1.3.6.1.4.1.19376.1.5.3.1.3.1"/>
        <!-- ** Reason for Referral Section Template ** -->
        <code codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" code="4234
9-1" displayName="REASON FOR REFERRAL"/>
        <title>REASON FOR REFERRAL</title>
        <text>
            <paragraph/>
        </text>
    </section>
</component>
<!-- GOALS SECTION -->
<!-- GOAL SECTION -->
<component>
    <section>
        <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" c
odeSystemName="LOINC"/>
        <title>GOALS</title>
        <text>
            <table border="1" width="100%">
                <thead>
                    <tr>
                        <th>Goal</th>
                        <th>Value</th>
                        <th>Date</th>
                    </tr>

```

## myCare iMedicWare API

```
</thead>
<tbody>
  <!-- the following two do not need to be coded in entries and can be combined together -->
  <tr>
    <td>Get rid of intermittent fever that is occurring every few weeks.</td>
  </td>
  <td>Jun 22, 2015</td>
</tr>
  <!-- the following two do not need to be coded in entries and can be combined together -->
  <tr>
    <td>Need to gain more energy to do regular activities</td>
  </td>
  <td>Jun 22, 2015</td>
</tr>
</tbody>
</table>
</text>
<entry>
  <!-- Goal Observation -->
  <observation classCode="OBS" moodCode="GOL">
    <templateId root="2.16.840.1.113883.10.20.22.4.121"/>
    <id root="3700b3b0-fbed-11e2-b778-0800200c9a66"/>
    <!-- TODO (min - not required for test data): find a more suitable LOINC code for generic fever or for Visual Inspection -db -->
    <code code="71055-8" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Get rid of intermittent fever that is occurring every few weeks."/>
    <statusCode code="active"/>
    <effectiveTime value="20150622"/>
    <!-- this may not be the recommended way to record a visual inspection -db -->
    <value xsi:type="ST" nullFlavor="NP"/>
    <author>
      <templateId root="2.16.840.1.113883.10.20.22.4.119"/>
      <time value="20150622"/>
      <assignedAuthor>
        <id root="d839038b-7171-4165-a760-467925b43857"/>
        <code code="163W00000X" displayName="Registered nurse" codeSystem="2.16.840.1.113883.6.101" codeSystemName="Healthcare Provider Taxonomy (HIPAA)"/>

```

## myCare iMedicWare API

```
<assignedPerson>
  <name>
    <given>Tracy</given>
    <family>Davis</family>
    <suffix nullFlavor="NP"/>
  </name>
</assignedPerson>
</assignedAuthor>
</author>
<!-- Patient Author -->
<author typeCode="AUT">
  <templateId root="2.16.840.1.113883.10.20.22.4.119"/>
  <time/>
  <assignedAuthor>
    <!-- This id can point back to the record target already described in the C
DA header (or someone else can be described here) -->
    <!-- This particular example points back to the record target -->
    <id extension="996-756-495" root="2.16.840.1.113883.19.5"/>
  </assignedAuthor>
</author>
</observation>
</entry>
<entry>
  <!-- Goal Observation -->
  <observation classCode="OBS" moodCode="GOL">
    <templateId root="2.16.840.1.113883.10.20.22.4.121"/>
    <id root="3700b3b0-fbed-11e2-b778-0800200c9a66"/>
    <!-- TODO (min - not required for test data): find a more suitable LOINC code
for generic fever or for Visual Inspection -db -->
    <code code="71543-3" codeSystem="2.16.840.1.113883.6.1" codeSystemName=
"LOINC" displayName="Need to gain more energy to do regular activities"/>
    <statusCode code="active"/>
    <effectiveTime value="20150622"/>
    <!-- this may not be the recommended way to record a visual inspection -db -
-->
    <value xsi:type="ST" nullFlavor="NP"/>
  <author>
    <templateId root="2.16.840.1.113883.10.20.22.4.119"/>
    <time value="20150622"/>
  </author>
</observation>
</entry>
</entry>
```



## myCare iMedicWare API

```
<assignedAuthor>
  <id root="d839038b-7171-4165-a760-467925b43857"/>
  <code code="163W00000X" displayName="Registered nurse" codeSystem="
2.16.840.1.113883.6.101" codeSystemName="Healthcare Provider Taxonomy (HIPAA)"/>
  <assignedPerson>
    <name>
      <given>Tracy</given>
      <family>Davis</family>
      <suffix nullFlavor="NP"/>
    </name>
  </assignedPerson>
</assignedAuthor>
</author>
<!-- Patient Author -->
<author typeCode="AUT">
  <templatedId root="2.16.840.1.113883.10.20.22.4.119"/>
  <time/>
  <assignedAuthor>
    <!-- This id can point back to the record target already described in the C
DA header (or someone else can be described here) -->
    <!-- This particular example points back to the record target -->
    <id extension="996-756-495" root="2.16.840.1.113883.19.5"/>
  </assignedAuthor>
</author>
</observation>
</entry>
</section>
</component>
<!-- UDI SECTION -->
<component>
  <section nullFlavor="NI">
    <!-- Procedures section template -->
    <templatedId root="2.16.840.1.113883.10.20.22.2.7.1" extension="2014-06-09"/>
    <templatedId 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="LOI
NC" displayName="IMPLANTABLE DEVICES"/>
    <title>Implantable Devices</title>
    <text>
      <table border="1" width="100%">
```

## myCare iMedicWare API

```
<thead>
  <tr>
    <th>UDI</th>
    <th>Assigning Authority</th>
  </tr>
</thead>
<tbody>
  <tr>
    <td>(01)00643169007222(17)160128(21)BLC200461H</td>
    <td>FDA</td>
  </tr>
</tbody>
</table>
</text>
</section>
</component>
<!-- Health Concern Section -->
<component>
  <section nullFlavor="NI">
    <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>HealthCare Concerns refer to underlying clinical facts</td>
            <td>active</td>
            <td>Jun 22, 2015</td>
          </tr>
        </tbody>
      </table>
    </text>
  </section>
</component>
```

## myCare iMedicWare API

```
<tr>
  <td>Chronic Sickness exhibited by patient</td>
  <td>active</td>
  <td>Jun 22, 2015</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">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="f99bffd7-2d4b-1003-086f-b520b67342e6"/>
    <code code="11323-3" codeSystem="2.16.840.1.113883.6.1" codeSystemName="
LOINC" displayName="Health status"/>
    <statusCode code="completed"/>
    <value xsi:type="CD" code="" codeSystem="2.16.840.1.113883.6.96" codeSyste
mName="SNOMED-CT" displayName="HealthCare Concerns refer to underlying clinical facts"
/>
  </observation>
</entry>
<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="f99bffd7-2d4b-1003-086f-b520b67342e5"/>
    <code code="11323-3" codeSystem="2.16.840.1.113883.6.1" codeSystemName="
LOINC" displayName="Health status"/>
    <statusCode code="completed"/>
    <value xsi:type="CD" code="161901003" codeSystem="2.16.840.1.113883.6.96"
codeSystemName="SNOMED-CT" displayName="Chronic Sickness exhibited by patient"/>
  </observation>
</entry>
</section>
</component>
</structuredBody>
</component>
</ClinicalDocument>

```

## 19. ERRORS AND EXCEPTIONS

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

myCare iMedicWare API is built on the principles of REST (Representational State Transfer) architecture. Error messages in API are self-

explanatory. The error message convey the details regarding error is textual format with suitable HTTP status codes.

List of HTTP status codes:

- 1) 200 - successful operation
- 2) 400 - parameter errors
- 3) 401 - access errors
- 4) 404 - API endpoint errors
- 5) 422 - request content errors
- 6) 500 - internal server errors
- 7) 503 - service errors on server