

# Screenshots from HIV case based surveillance in openMRS

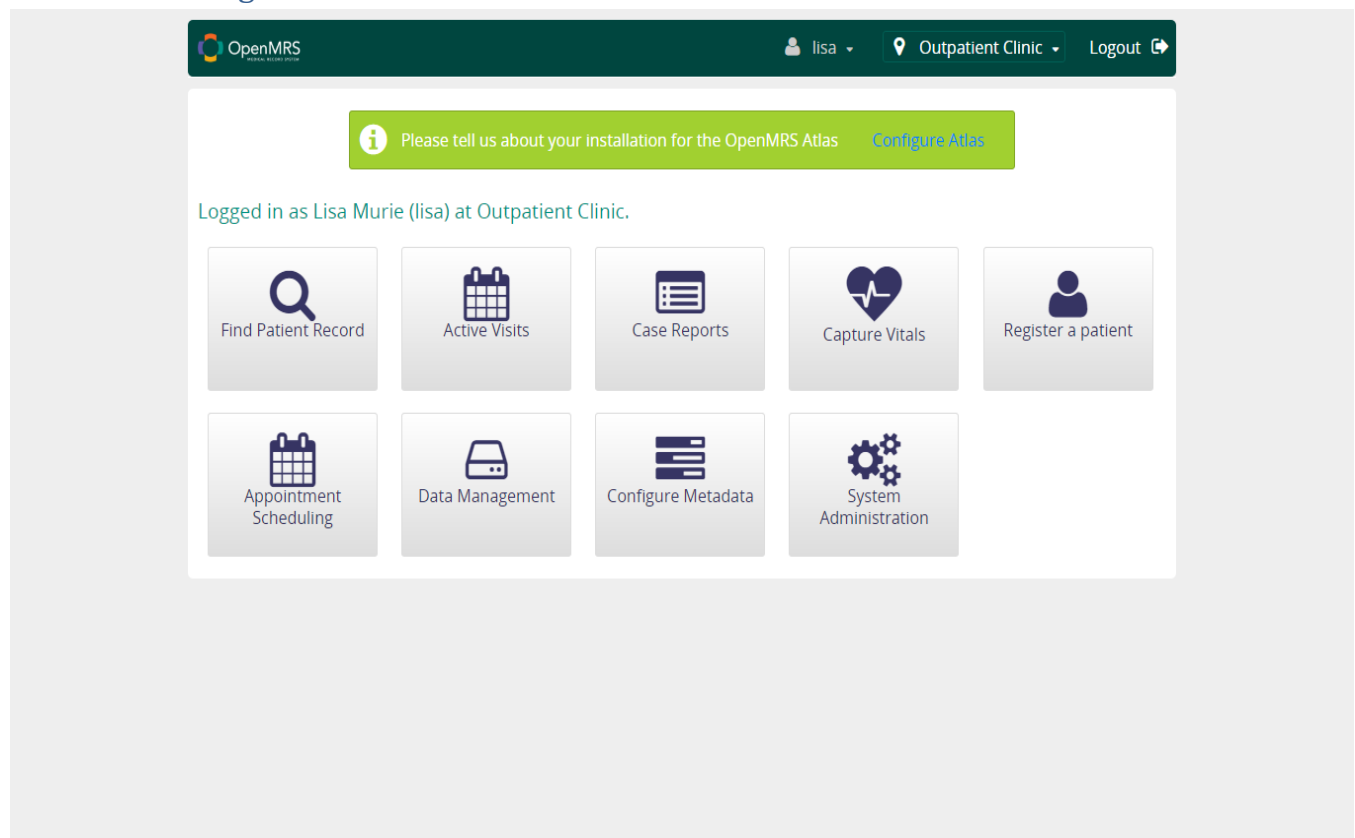
## Use case: Test patient John M Doe

Below is a list of all triggers defined for HIV case based surveillance along the care cascade; in the case reporting module in openMRS.

1. New HIV Case
2. New HIV Disease
3. New HIV Treatment
4. ART Therapy changed to second line
5. HIV Treatment stopped
6. HIV treatment failure
7. Patient died
8. HIV not virally suppressed
9. HIV patient not tested
10. HIV patient lost to follow up

NOTE: For the last three triggers screenshots have not been included. I

## 1. Home Page



## 2. Registering the test patient

OpenMRS admin Outpatient Clinic Logout

> Register a patient

### Register a patient

<b>Demographics</b>	<b>Name:</b> John , M, Doe
<input checked="" type="checkbox"/> Name	<b>Gender:</b> Male
<input checked="" type="checkbox"/> Gender	<b>Birthdate:</b> 23, February, 1991
<input checked="" type="checkbox"/> Birthdate	<b>Address:</b> 1234 Moringa Drive
<b>Contact Info</b>	<b>Phone Number:</b> --
<input checked="" type="checkbox"/> Address	
Phone Number	
<b>Confirm</b>	Confirm submission? <input type="button" value="Cancel"/> <input type="button" value="Confirm"/>

## 3. New HIV Case

Enter the observation for a reportable sentinel event. In this case, patient HIV test results are positive.

OpenMRS admin Outpatient Clinic Logout

> John M. Doe > Edit: HIV Sentinel events

John M Doe Male 25 year(s) (23.Feb.1991) Edit Show Contact Info Patient ID 10001V

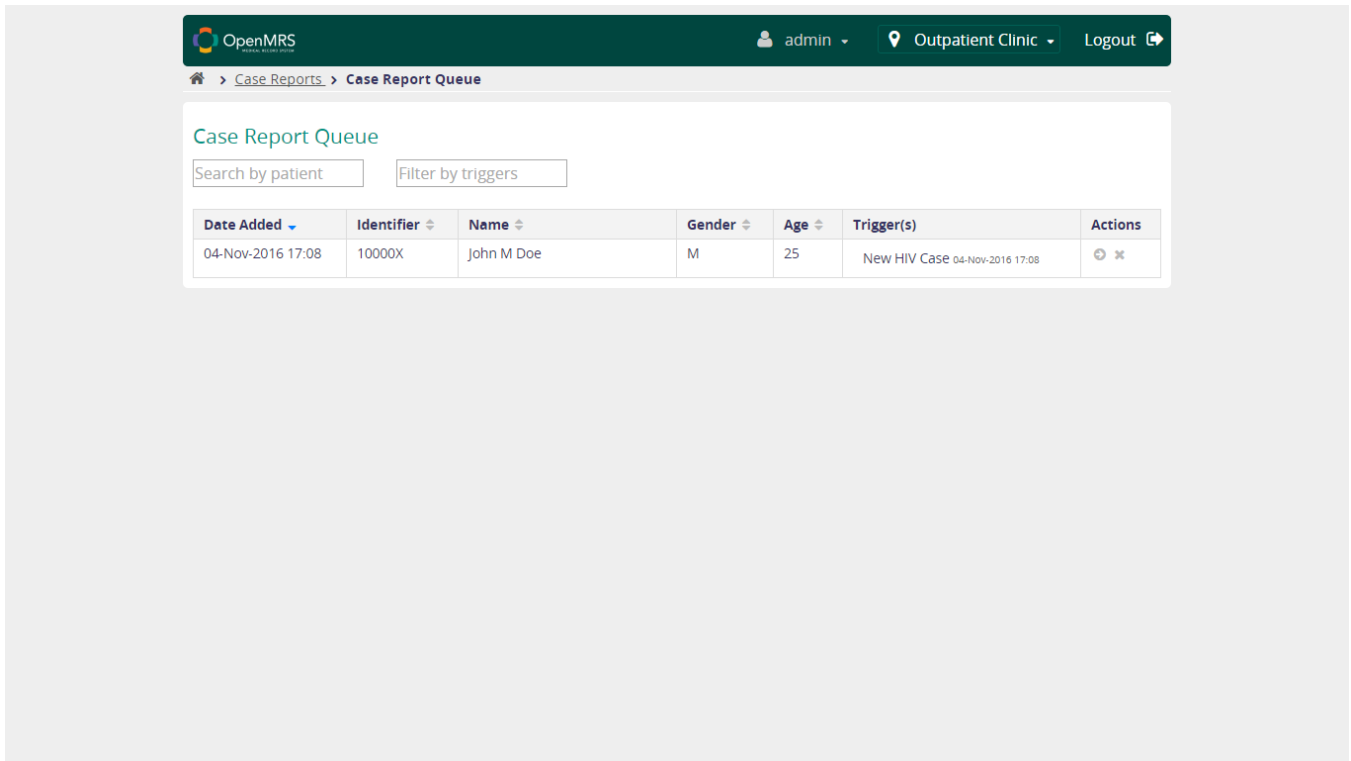
Active Visit - 03.Nov.2016, 15:35:11 Outpatient

Paper Form ID: (Fill this in)

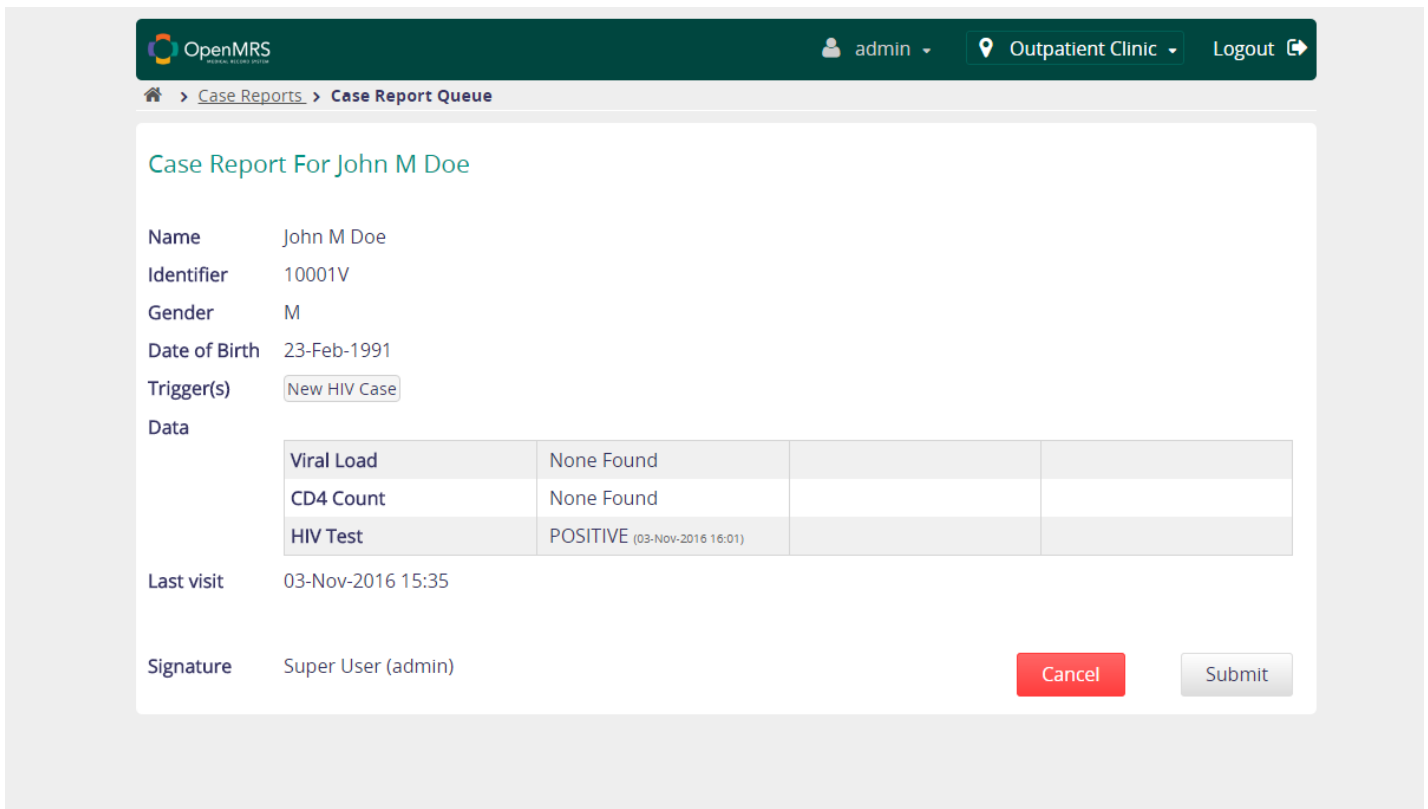
### HIV Sentinel events (v1.0)

<b>1. Encounter Details</b>	
Date:	11/03/2016 (mm/dd/yyyy)
Location:	Outpatient Clinic
Provider:	Lisa Murie
<b>2. HIV Rapid Test</b>	
HIV Test Result	POSITIVE


New HIV Case trigger is fired by the observation and entered in the case report queue



One can either submit or decline the queued case report



## Submitted case reports

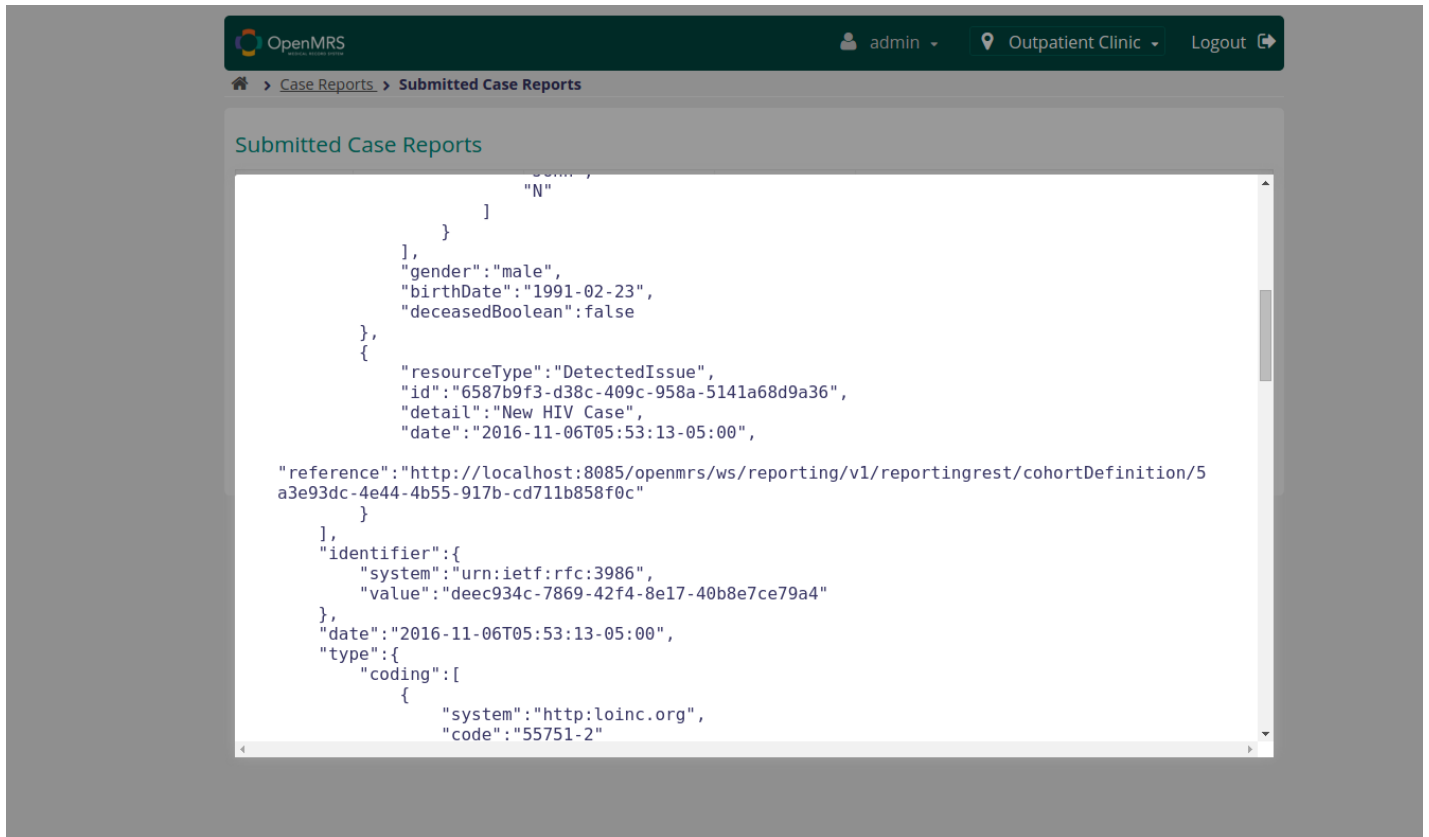
 admin ▼ 📍 Outpatient Clinic ▼ Logout 👉

[🏠](#) > [Case Reports](#) > **Submitted Case Reports**

### Submitted Case Reports

Date	Identifier	Name	Gender	Trigger(s)
Today	10001V	John N Doe	M	New HIV Case
Today	10000X	John M Doe	M	HIV Treatment Failure
Today	10000X	John M Doe	M	HIV Patient Died
Today	10000X	John M Doe	M	HIV Treatment Stopped
Today	10000X	John M Doe	M	New HIV Treatment
Today	10000X	John M Doe	M	HIV Switched To Second Line
Today	10000X	John M Doe	M	HIV Treatment Failure
Today	10000X	John M Doe	M	New HIV Disease

## Case report as a FHIR Document



The screenshot displays the OpenMRS web interface. At the top, the header includes the OpenMRS logo, the user 'admin', the location 'Outpatient Clinic', and a 'Logout' button. Below the header, the breadcrumb navigation shows 'Home > Case Reports > Submitted Case Reports'. The main content area is titled 'Submitted Case Reports' and contains a text area with a FHIR document. The document is a JSON object representing a 'DetectedIssue' resource, including patient information, a reference to a cohort definition, and a coding system (SNOMED-CT).

```
    "N"
  ]
}
},
"gender": "male",
"birthDate": "1991-02-23",
"deceasedBoolean": false
},
{
  "resourceType": "DetectedIssue",
  "id": "6587b9f3-d38c-409c-958a-5141a68d9a36",
  "detail": "New HIV Case",
  "date": "2016-11-06T05:53:13-05:00",
  "reference": "http://localhost:8085/openmrs/ws/reporting/v1/reportingrest/cohortDefinition/5a3e93dc-4e44-4b55-917b-cd711b858f0c"
}
],
"identifier": {
  "system": "urn:ietf:rhc:3986",
  "value": "deec934c-7869-42f4-8e17-40b8e7ce79a4"
},
"date": "2016-11-06T05:53:13-05:00",
"type": {
  "coding": [
    {
      "system": "http://loinc.org",
      "code": "55751-2"
    }
  ]
}
```

## 4. New HIV Disease

Enter details for WHO staging based on HIV disease diagnosed

The screenshot shows the OpenMRS interface for editing HIV Sentinel events for a patient named John M. Doe. The patient's details include gender (Male), age (25 years), and date of birth (23.Feb.1991). The active visit is dated 05.Nov.2016 at 17:35:33, and the location is Outpatient. The form is divided into three sections: 1. Encounter Details, 2. HIV Rapid Test, and 3. WHO Staging. In the WHO Staging section, the WHO Stage is set to WHO STAGE 3 ADULT. A 'Save Changes' button is located at the bottom of the form.

OpenMRS admin Outpatient Clinic Logout

John M. Doe Edit: HIV Sentinel events

John M Doe Male 25 year(s) (23.Feb.1991) Edit Show Contact Info Patient ID 10000X

Active Visit - 05.Nov.2016, 17:35:33 Outpatient

Paper Form ID: (Fill this in)

### HIV Sentinel events (v1.0)

#### 1. Encounter Details

Date: 11/05/2016 (mm/dd/yyyy)

Location: Outpatient Clinic

Provider: Super User

#### 2. HIV Rapid Test

HIV Rapid Test

POSITIVE

#### 3. WHO Staging

WHO Stage

WHO STAGE 3 ADULT

Save Changes

## Case report queue

The screenshot shows the OpenMRS Case Report Queue. It features a search bar for patient ID and a filter for triggers. Below the search bar is a table with columns for Date Added, Identifier, Name, Gender, Age, Trigger(s), and Actions. The table contains one entry for John M. Doe, with a date added of 06-Nov-2016 0:40 and a trigger of New HIV Disease 06-Nov-2016 0:40.

OpenMRS admin Outpatient Clinic Logout

Case Reports Case Report Queue

Case Report Queue

Search by patient Filter by triggers

Date Added	Identifier	Name	Gender	Age	Trigger(s)	Actions
06-Nov-2016 0:40	10000X	John M Doe	M	25	New HIV Disease 06-Nov-2016 0:40	↻ ✕

## Review and submit the reports

OpenMRS admin Outpatient Clinic Logout

[Home](#) > [Case Reports](#) > [Case Report Queue](#)

### Case Report For John M Doe

Name: John M Doe  
Identifier: 10000X  
Gender: M  
Date of Birth: 23-Feb-1991  
Trigger(s): New HIV Disease

Data

Viral Load	None Found		
CD4 Count	None Found		
HIV Test	POSITIVE (05-Nov-2016 17:36)		

Current WHO Classification: WHO STAGE 3 ADULT  
Last visit: 05-Nov-2016 17:35

Signature: Super User (admin) Cancel Submit

## Submitted case reports

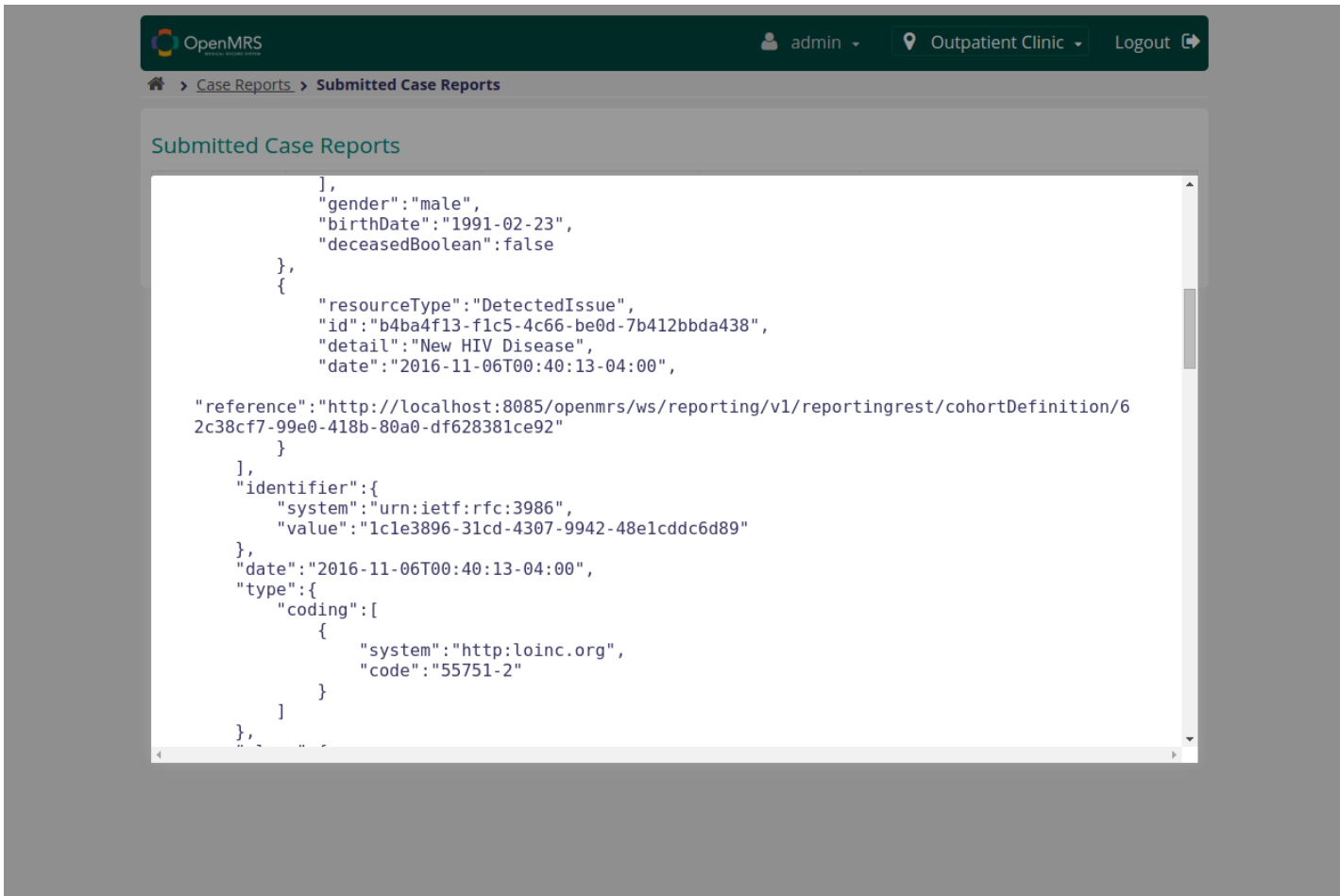
OpenMRS admin Outpatient Clinic Logout

[Home](#) > [Case Reports](#) > [Submitted Case Reports](#)

### Submitted Case Reports

Date	Identifier	Name	Gender	Trigger(s)
Today	10000X	John M Doe	M	New HIV Disease

## Case report as FHIR document



The screenshot shows the OpenMRS web interface. The top navigation bar includes the OpenMRS logo, a user profile for 'admin', a location dropdown for 'Outpatient Clinic', and a 'Logout' button. Below the navigation bar, the breadcrumb trail reads 'Case Reports > Submitted Case Reports'. The main content area is titled 'Submitted Case Reports' and displays a JSON FHIR document in a scrollable text area. The document represents a 'DetectedIssue' resource with the following details:

```
    ],
    "gender": "male",
    "birthDate": "1991-02-23",
    "deceasedBoolean": false
  },
  {
    "resourceType": "DetectedIssue",
    "id": "b4ba4f13-f1c5-4c66-be0d-7b412bbda438",
    "detail": "New HIV Disease",
    "date": "2016-11-06T00:40:13-04:00",

    "reference": "http://localhost:8085/openmrs/ws/reporting/v1/reportingrest/cohortDefinition/62c38cf7-99e0-418b-80a0-df628381ce92"
  }
],
"identifier": {
  "system": "urn:ietf:rfc:3986",
  "value": "1c1e3896-31cd-4307-9942-48e1cddc6d89"
},
"date": "2016-11-06T00:40:13-04:00",
"type": {
  "coding": [
    {
      "system": "http://loinc.org",
      "code": "55751-2"
    }
  ]
}
},
...

```



## 5. New HIV Treatment

OpenMRS admin Outpatient Clinic Logout

John M Doe Edit: HIV Sentinel events Patient ID 10000X

John M Doe Male 25 year(s) (23.Feb.1991) Edit Show Contact Info

Active Visit - 05.Nov.2016, 17:35:33 Outpatient Paper Form ID: (Fill this in)

### HIV Sentinel events (v1.0)

1. Encounter Details	
Date:	11/05/2016 (mm/dd/yyyy)
Location:	Outpatient Clinic
Provider:	Super User

2. HIV Rapid Test	
HIV Rapid Test	POSITIVE

3. WHO Staging	
WHO Stage	WHO STAGE 3 ADULT

4. HIV Treatment Plan	
ART plan	START DRUGS
Reason ART started	TREATMENT

Save Changes

Case reporting queue

### Case Report Queue

Search by patient

Filter by triggers

Date Added	Identifier	Name	Gender	Age	Trigger(s)	Actions
06-Nov-2016 1:20	10000X	John M Doe	M	25	New HIV Treatment 06-Nov-2016 1:20	⌂ ✕

## Review and Submit report

### Case Report For John M Doe

[Show Previous Case Reports](#)

Name: John M Doe

Identifier: 10000X

Gender: M

Date of Birth: 23-Feb-1991

Trigger(s):

Data

Viral Load	None Found		
CD4 Count	None Found		
HIV Test	POSITIVE (05-Nov-2016 17:36)		

Current WHO Classification: WHO STAGE 3 ADULT

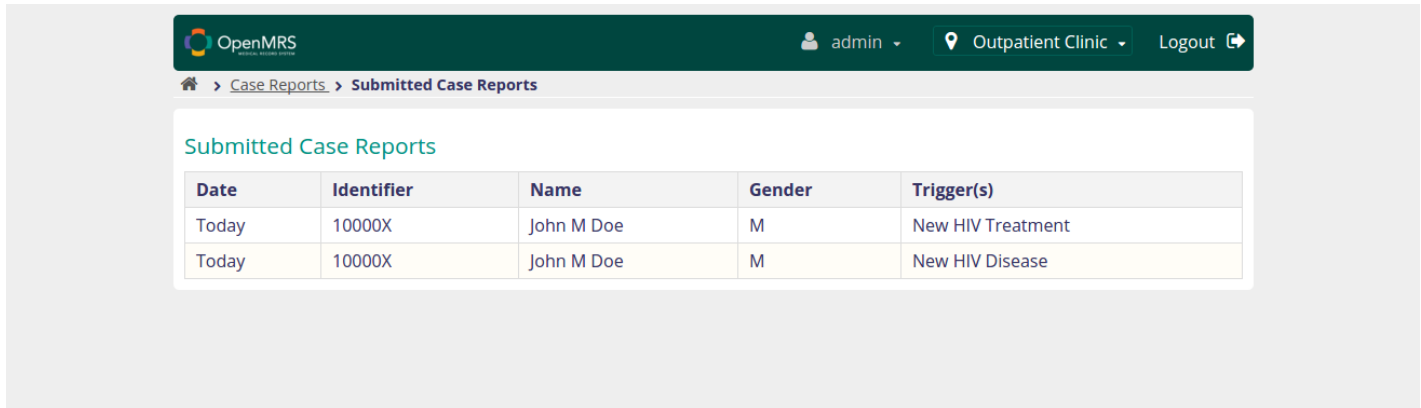
Last visit: 05-Nov-2016 17:35

Signature: Super User (admin)

Cancel

Submit

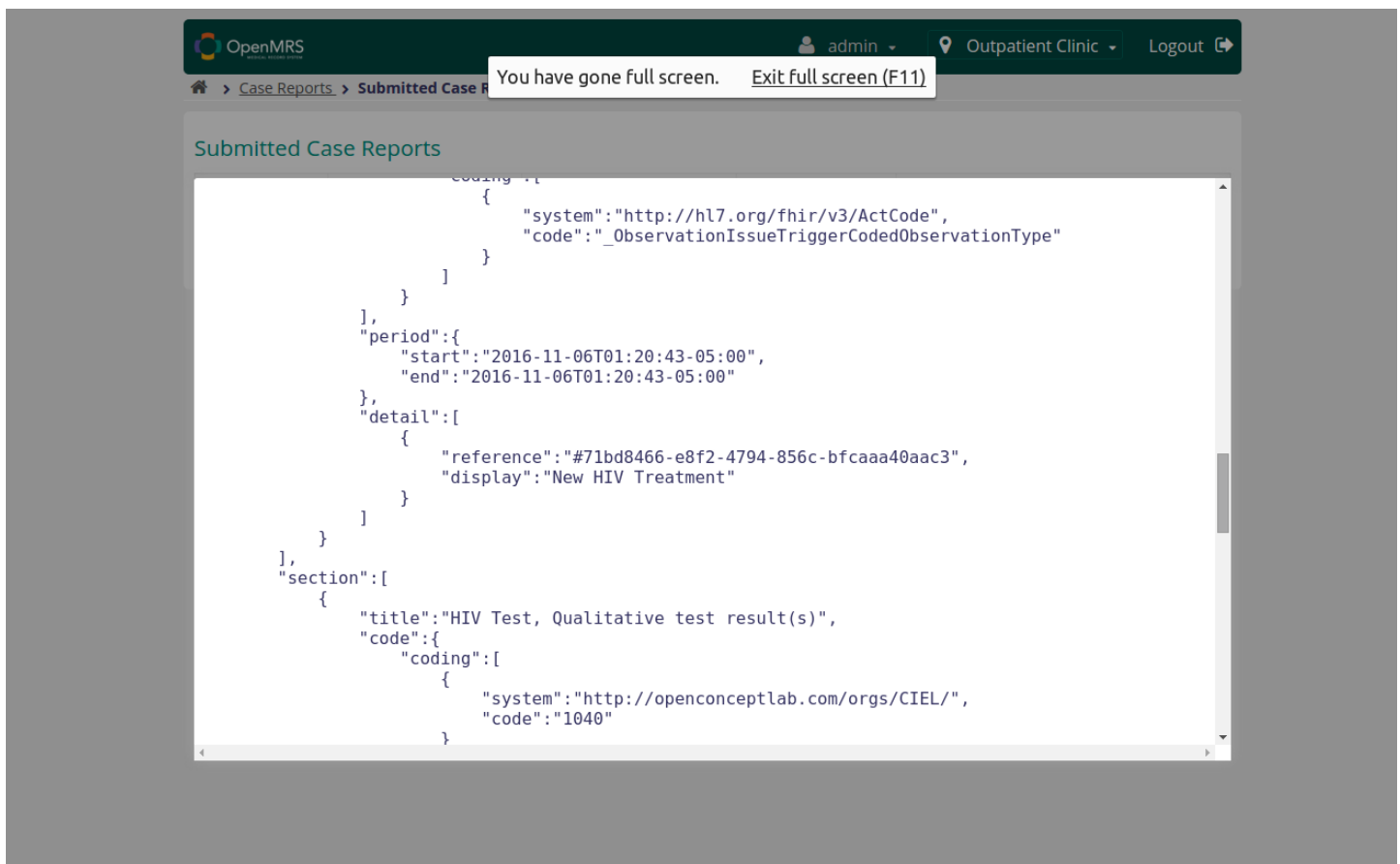
## Submitted case reports



The screenshot shows the OpenMRS interface. The top navigation bar includes the OpenMRS logo, a user profile for 'admin', a location dropdown for 'Outpatient Clinic', and a 'Logout' button. Below the navigation bar, the breadcrumb trail reads 'Home > Case Reports > Submitted Case Reports'. The main content area is titled 'Submitted Case Reports' and contains a table with the following data:

Date	Identifier	Name	Gender	Trigger(s)
Today	10000X	John M Doe	M	New HIV Treatment
Today	10000X	John M Doe	M	New HIV Disease

## Case report as FHIR Document



The screenshot shows the OpenMRS interface with a modal window displaying a FHIR document. The modal window has a title bar that says 'You have gone full screen. Exit full screen (F11)'. The main content area is titled 'Submitted Case Reports' and displays the following FHIR JSON document:

```
{
  "resourceType": "Observation",
  "status": "final",
  "code": {
    "coding": [
      {
        "system": "http://hl7.org/fhir/v3/ActCode",
        "code": "_ObservationIssueTriggerCodedObservationType"
      }
    ]
  },
  "period": {
    "start": "2016-11-06T01:20:43-05:00",
    "end": "2016-11-06T01:20:43-05:00"
  },
  "detail": [
    {
      "reference": "#71bd8466-e8f2-4794-856c-bfcaaa40aac3",
      "display": "New HIV Treatment"
    }
  ],
  "section": [
    {
      "title": "HIV Test, Qualitative test result(s)",
      "code": {
        "coding": [
          {
            "system": "http://openconceptlab.com/orgs/CIEL/",
            "code": "1040"
          }
        ]
      }
    }
  ]
}
```

## 6. ART Therapy changed to second line

Paper Form ID: (Fill this in)

### HIV Sentinel events (v1.0)

#### 1. Encounter Details

Date:	<input type="text" value="11/05/2016"/> (mm/dd/yyyy)
Location:	<input type="text" value="Outpatient Clinic"/>
Provider:	<input type="text" value="Super User"/>

#### 2. HIV Rapid Test

HIV Rapid Test

#### 3. WHO Staging

WHO Stage

#### 4. HIV Treatment Plan

ART plan

Reason ART started

Reason Treatment stopped

#### 5. ART changed to second line therapy

Reason switched to second line.

#### 6. HIV Treatment failure

Reason for Treatment failure

Save Changes

## Case report queue

OpenMRS admin Outpatient Clinic Logout

Case Reports > Case Report Queue

### Case Report Queue

Search by patient  Filter by triggers

Date Added	Identifier	Name	Gender	Age	Trigger(s)	Actions
06-Nov-2016 1:16	10000X	John M Doe	M	25	HIV Switched To Second Line 06-Nov-2016 1:16	<a href="#">Refresh</a> <a href="#">Close</a>

## Review and submit case report

OpenMRS admin Outpatient Clinic Logout

Case Reports > Case Report Queue

### Case Report For John M Doe

[Hide Previous Case Reports](#)

- 06-Nov-2016 1:55 - HIV Treatment Failure
- 06-Nov-2016 1:40 - HIV Treatment Stopped
- 06-Nov-2016 1:23 - New HIV Treatment
- 06-Nov-2016 1:03 - HIV Treatment Failure
- 06-Nov-2016 1:02 - New HIV Disease

**Name** John M Doe  
**Identifier** 10000X  
**Gender** M  
**Date of Birth** 23-Feb-1991  
**Trigger(s)**

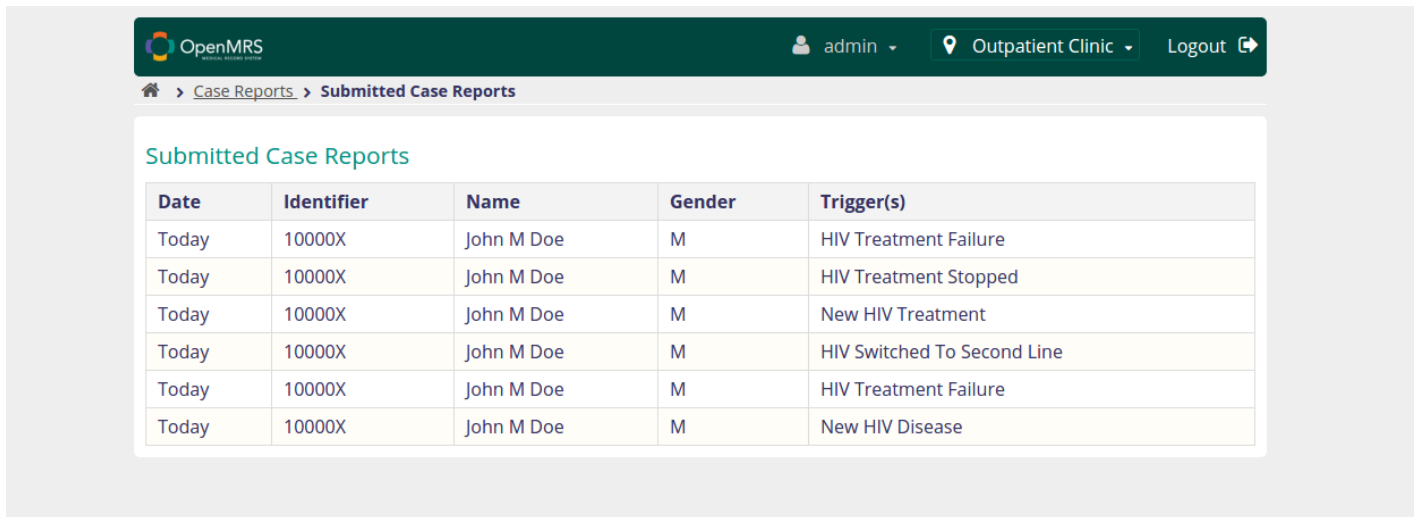
**Data**

Viral Load	None Found		
CD4 Count	None Found		
HIV Test	POSITIVE (05-Nov-2016 17:36)		

**Current WHO Classification** WHO STAGE 3 ADULT  
**Reason ARVs stopped** Toxicity, drug  
**Last visit** 05-Nov-2016 17:35

**Signature** Super User (admin) Cancel Submit

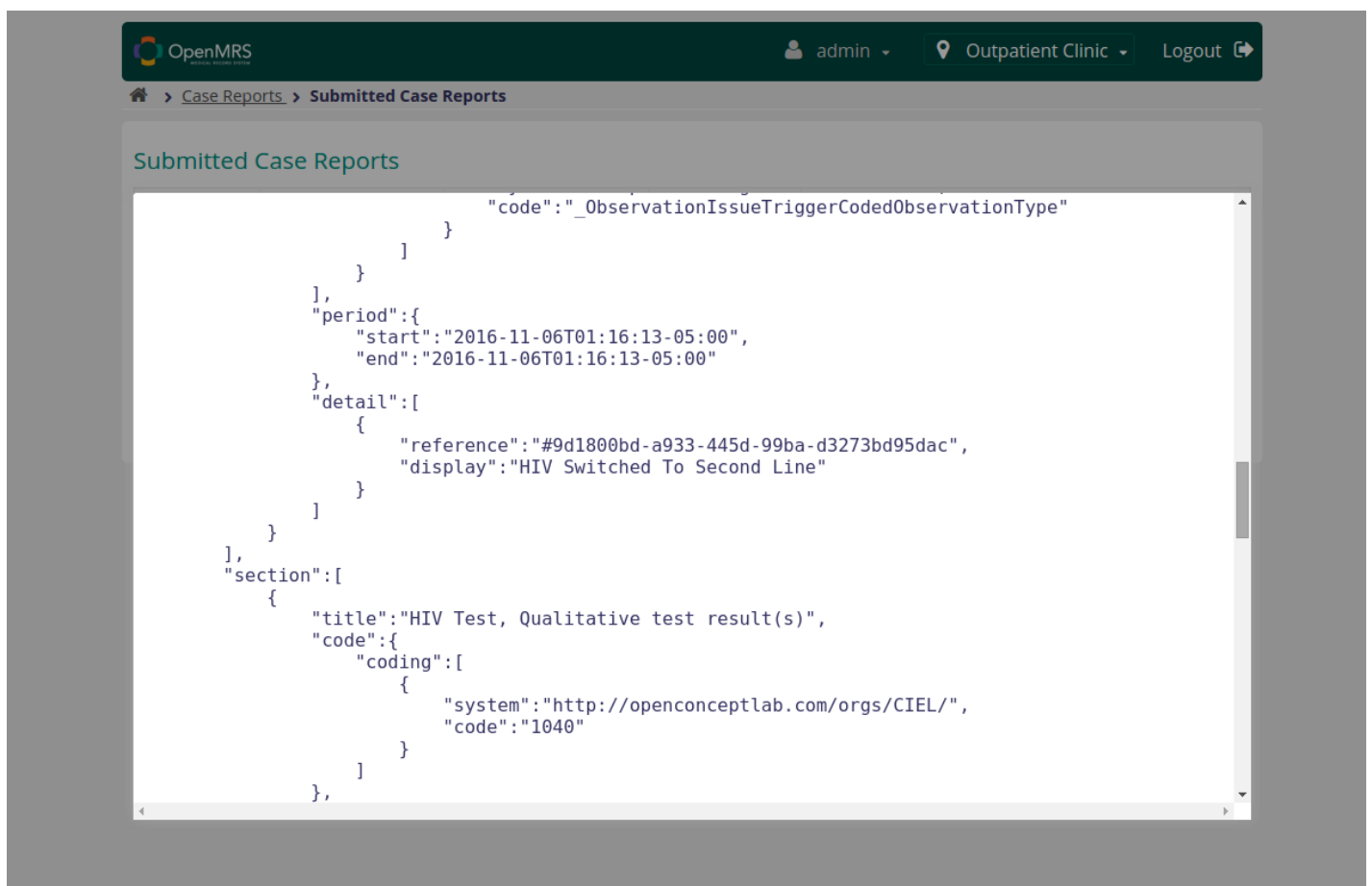
## Submitted case reports



The screenshot shows the OpenMRS interface with a dark green header. The user is logged in as 'admin' and is viewing the 'Outpatient Clinic'. The breadcrumb trail is 'Home > Case Reports > Submitted Case Reports'. Below the header, the title 'Submitted Case Reports' is displayed in green. A table with five columns is shown: Date, Identifier, Name, Gender, and Trigger(s). The table contains six rows of data, all for 'John M Doe' with identifier '10000X' and gender 'M'. The triggers listed are 'HIV Treatment Failure', 'HIV Treatment Stopped', 'New HIV Treatment', 'HIV Switched To Second Line', 'HIV Treatment Failure', and 'New HIV Disease'.

Date	Identifier	Name	Gender	Trigger(s)
Today	10000X	John M Doe	M	HIV Treatment Failure
Today	10000X	John M Doe	M	HIV Treatment Stopped
Today	10000X	John M Doe	M	New HIV Treatment
Today	10000X	John M Doe	M	HIV Switched To Second Line
Today	10000X	John M Doe	M	HIV Treatment Failure
Today	10000X	John M Doe	M	New HIV Disease

## Case report as FHIR Document



The screenshot shows the OpenMRS interface with a dark green header. The user is logged in as 'admin' and is viewing the 'Outpatient Clinic'. The breadcrumb trail is 'Home > Case Reports > Submitted Case Reports'. Below the header, the title 'Submitted Case Reports' is displayed in green. A large white box contains a JSON FHIR document snippet. The visible part of the JSON includes a 'code' field with the value '\_ObservationIssueTriggerCodedObservationType', a 'period' object with start and end timestamps, a 'detail' array with a reference and display text, and a 'section' array with a title and a coding object.

```
    "code": "_ObservationIssueTriggerCodedObservationType"
  }
}
},
"period": {
  "start": "2016-11-06T01:16:13-05:00",
  "end": "2016-11-06T01:16:13-05:00"
},
"detail": [
  {
    "reference": "#9d1800bd-a933-445d-99ba-d3273bd95dac",
    "display": "HIV Switched To Second Line"
  }
]
},
"section": [
  {
    "title": "HIV Test, Qualitative test result(s)",
    "code": {
      "coding": [
        {
          "system": "http://openconceptlab.com/orgs/CIEL/",
          "code": "1040"
        }
      ]
    }
  }
]
},
},
```

## 7. HIV Treatment stopped

OpenMRS admin Outpatient Clinic Logout

John M. Doe > Edit: HIV Sentinel events

John M Doe Male 25 year(s) (23.Feb.1991) Edit Show Contact Info Patient ID 10000X

Active Visit - 05.Nov.2016, 17:35:33 Outpatient

Paper Form ID: (Fill this in)

### HIV Sentinel events (v1.0)

#### 1. Encounter Details

Date: 11/05/2016 (mm/dd/yyyy)

Location: Outpatient Clinic

Provider: Super User

#### 2. HIV Rapid Test

HIV Rapid Test: POSITIVE

#### 3. WHO Staging

WHO Stage: WHO STAGE 3 ADULT

#### 4. HIV Treatment Plan

ART plan: START DRUGS

Reason ART started: TREATMENT

Reason Treatment stopped: Toxicity, drug

Save Changes

### Case reporting queue

OpenMRS admin Outpatient Clinic Logout

Case Reports > Case Report Queue

Case Report Queue

Search by patient Filter by triggers

Date Added	Identifier	Name	Gender	Age	Trigger(s)	Actions
06-Nov-2016 1:37	10000X	John M Doe	M	25	HIV Treatment Stopped 06-Nov-2016 1:37	⌂ ×

## Review and submit case report

OpenMRS admin Outpatient Clinic Logout

[Home](#) > [Case Reports](#) > [Case Report Queue](#)

### Case Report For John M Doe

[^ Hide Previous Case Reports](#)

06-Nov-2016 1:23 - New HIV Treatment  
06-Nov-2016 1:02 - New HIV Disease

**Name** John M Doe  
**Identifier** 10000X  
**Gender** M  
**Date of Birth** 23-Feb-1991  
**Trigger(s)** HIV Treatment Stopped

**Data**

Test	Result	Date
Viral Load	None Found	
CD4 Count	None Found	
HIV Test	POSITIVE	(05-Nov-2016 17:36)

**Current WHO Classification** WHO STAGE 3 ADULT  
**Reason ARVs stopped** Toxicity, drug  
**Last visit** 05-Nov-2016 17:35

**Signature** Super User (admin) Cancel Submit

## Submitted reports

OpenMRS admin Outpatient Clinic Logout

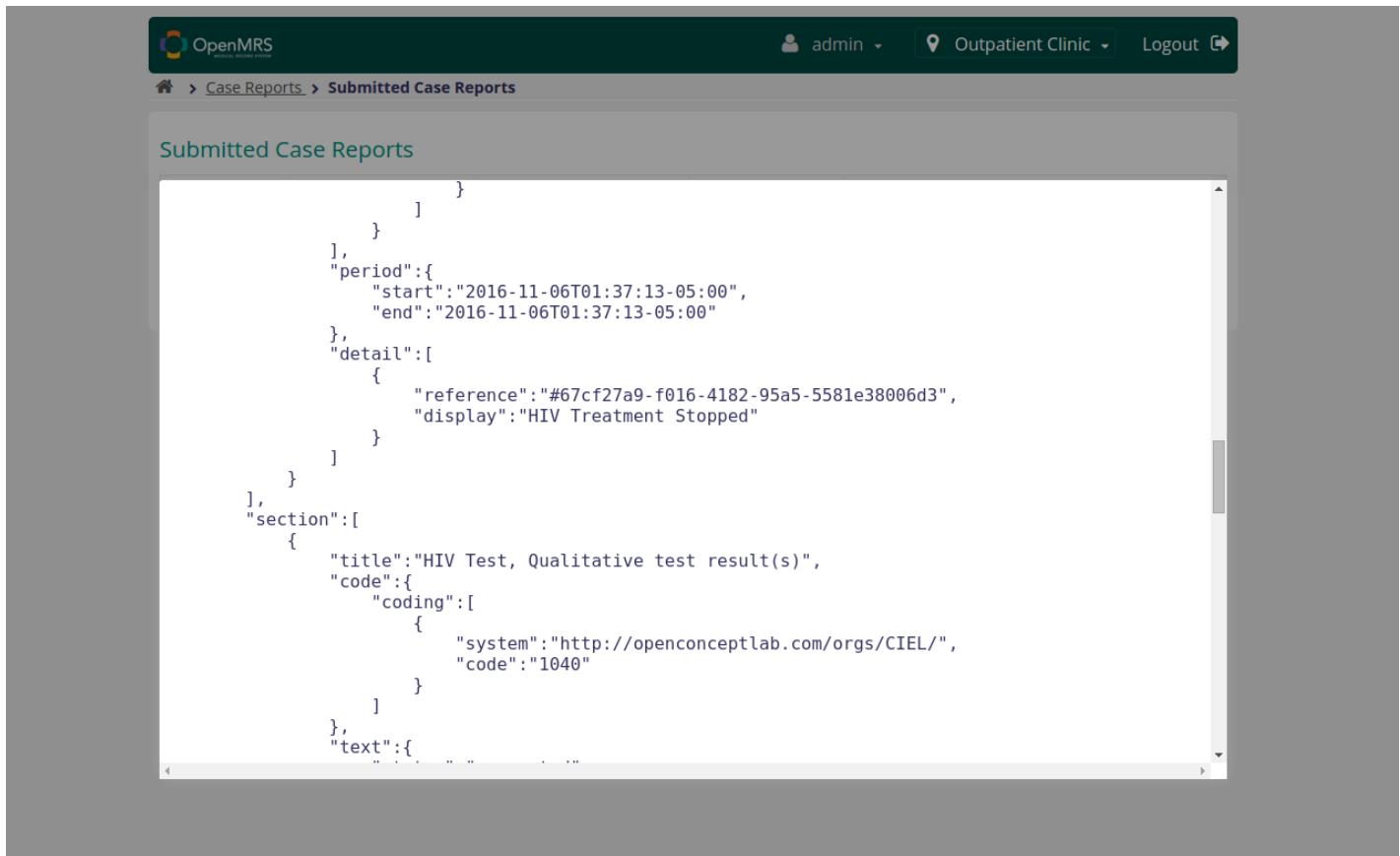
[Home](#) > [Case Reports](#) > [Submitted Case Reports](#)

### Submitted Case Reports

Date	Identifier	Name	Gender	Trigger(s)
Today	10000X	John M Doe	M	HIV Treatment Stopped
Today	10000X	John M Doe	M	New HIV Treatment
Today	10000X	John M Doe	M	New HIV Disease



## Case report as FHIR document



The screenshot shows the OpenMRS interface. The top navigation bar includes the OpenMRS logo, a user profile for 'admin', a location dropdown for 'Outpatient Clinic', and a 'Logout' button. Below the navigation bar, the breadcrumb trail reads 'Case Reports > Submitted Case Reports'. The main content area is titled 'Submitted Case Reports' and displays a FHIR document in a code editor. The visible portion of the document is as follows:

```
    ]
  },
  "period":{
    "start":"2016-11-06T01:37:13-05:00",
    "end":"2016-11-06T01:37:13-05:00"
  },
  "detail":[
    {
      "reference":"#67cf27a9-f016-4182-95a5-5581e38006d3",
      "display":"HIV Treatment Stopped"
    }
  ]
},
"section":[
  {
    "title":"HIV Test, Qualitative test result(s)",
    "code":{
      "coding":[
        {
          "system":"http://openconceptlab.com/orgs/CIEL/",
          "code":"1040"
        }
      ]
    }
  },
  "text":{
```

## 8. HIV treatment failure

Home > John M Doe > Edit: HIV Sentinel events

John M Doe Male 25 year(s) (2) Patient ID 10000X  
Given Middle Family Name

Active Visit - 05.Nov.2016, 17:35:33 Outpatient

You have gone full screen. Exit full screen (F11)

Paper Form ID: (Fill this in)

### HIV Sentinel events (v1.0)

**1. Encounter Details**

Date: 11/05/2016 (mm/dd/yyyy)

Location: Outpatient Clinic

Provider: Super User

**2. HIV Rapid Test**

HIV Rapid Test

POSITIVE

**3. WHO Staging**

WHO Stage

WHO STAGE 3 ADULT

**4. HIV Treatment Plan**

ART plan

START DRUGS

Reason ART started

TREATMENT

Reason Treatment stopped

Toxicity, drug

**5. HIV Treatment failure**

Reason for Treatment failure

Regimen failure

Save Changes

## Case report queue

OpenMRS admin Outpatient Clinic Logout

Home > Case Reports > Case Report Queue

### Case Report Queue

Search by patient Filter by triggers

Date Added	Identifier	Name	Gender	Age	Trigger(s)	Actions
06-Nov-2016 1:52	10000X	John M Doe	M	25	HIV Treatment Failure 06-Nov-2016 1:52	⌂ ✕

## Review and submit or dismiss case report

OpenMRS admin | Outpatient Clinic | Logout

Home > Case Reports > Case Report Queue

### Case Report For John M Doe

[^ Hide Previous Case Reports](#)

06-Nov-2016 1:40 - HIV Treatment Stopped  
 06-Nov-2016 1:23 - New HIV Treatment  
 06-Nov-2016 1:02 - New HIV Disease

**Name** John M Doe  
**Identifier** 10000X  
**Gender** M  
**Date of Birth** 23-Feb-1991  
**Trigger(s)** HIV Treatment Failure

**Data**

Test	Result	Date
Viral Load	None Found	
CD4 Count	None Found	
HIV Test	POSITIVE	05-Nov-2016 17:36

**Current WHO Classification** WHO STAGE 3 ADULT  
**Reason ARVs stopped** Toxicity, drug  
**Last visit** 05-Nov-2016 17:35

**Signature** Super User (admin) Cancel Submit

## Submitted case reports

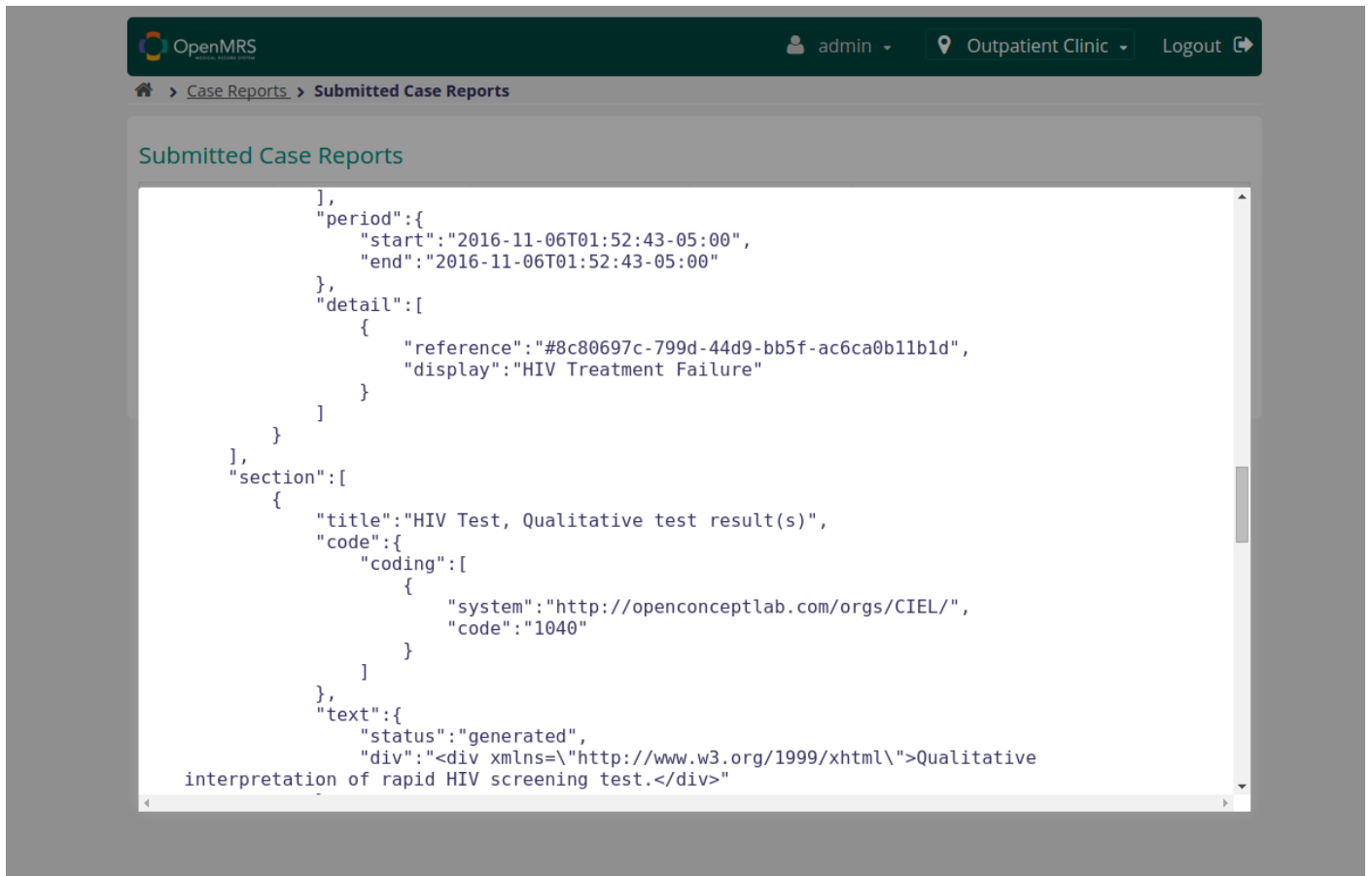
OpenMRS You have gone full screen. Exit full screen (F11) | Outpatient Clinic | Logout

Home > Case Reports > Submitted Case Reports

### Submitted Case Reports

Date	Identifier	Name	Gender	Trigger(s)
Today	10000X	John M Doe	M	HIV Treatment Failure
Today	10000X	John M Doe	M	HIV Treatment Stopped
Today	10000X	John M Doe	M	New HIV Treatment
Today	10000X	John M Doe	M	HIV Treatment Failure
Today	10000X	John M Doe	M	New HIV Disease

## Case report as FHIR document



The screenshot shows the OpenMRS interface. The top navigation bar includes the OpenMRS logo, a user profile for 'admin', a location dropdown for 'Outpatient Clinic', and a 'Logout' button. The breadcrumb trail indicates the current page is 'Submitted Case Reports'. The main content area is titled 'Submitted Case Reports' and displays a FHIR document in a code editor. The document is a JSON object representing a case report section.

```
    ],
    "period":{
      "start":"2016-11-06T01:52:43-05:00",
      "end":"2016-11-06T01:52:43-05:00"
    },
    "detail":[
      {
        "reference":"#8c80697c-799d-44d9-bb5f-ac6ca0b11b1d",
        "display":"HIV Treatment Failure"
      }
    ]
  }
},
"section":[
  {
    "title":"HIV Test, Qualitative test result(s)",
    "code":{
      "coding":[
        {
          "system":"http://openconceptlab.com/orgs/CIEL/",
          "code":"1040"
        }
      ]
    },
    "text":{
      "status":"generated",
      "div":"<div xmlns=\\"http://www.w3.org/1999/xhtml\\">Qualitative interpretation of rapid HIV screening test.</div>"
    }
  }
]
```

## 9. Patient died

The screenshot shows the OpenMRS interface for a patient record. At the top, the OpenMRS logo is on the left, and the user is logged in as 'Super User'. The navigation bar includes links for Home, Find/Create Patient, Dictionary, Reporting, Appointments, and Administration. A yellow notification bar states 'Patient saved'. A red banner indicates 'This patient is deceased' with a death date of 11/06/2016 and cause of death as 'None'. The patient's name is 'John M Doe' with an OpenMRS ID of '10000X' and a birth date of '25 yrs (Feb 23, 1991)'. There are buttons for BMI, CD4, and Regimen. An active visit is shown as a 'Facility Visit at Amani Hospital' from yesterday 5:35 PM, with buttons to edit or end the visit. Below this are tabs for Overview, Visits, Demographics, Graphs, Form Entry, Appointments, and Chart Search. The 'Patient' section shows the name 'John M Doe'. The 'Addresses' section shows a single address: '1234 Moringa Drive'. At the bottom, there are links to 'Edit this Patient' and 'Edit this Patient (Short Form)'.

## case report queue

The screenshot shows the 'Case Report Queue' in OpenMRS. The top navigation bar shows the user is 'admin' at the 'Outpatient Clinic'. The breadcrumb trail is 'Home > Case Reports > Case Report Queue'. The page title is 'Case Report Queue'. There are two input fields: 'Search by patient' and 'Filter by triggers'. Below these is a table with the following data:

Date Added	Identifier	Name	Gender	Age	Trigger(s)	Actions
06-Nov-2016 1:40	10000X	John M Doe	M	25	HIV Patient Died 06-Nov-2016 1:40	🔄 ✕

# Review and submit case report

OpenMRS admin Outpatient Clinic Logout

[Home](#) > [Case Reports](#) > **Case Report Queue**

### Case Report For John M Doe

[Hide Previous Case Reports](#)

06-Nov-2016 1:55 - HIV Treatment Failure
06-Nov-2016 1:40 - HIV Treatment Stopped
06-Nov-2016 1:23 - New HIV Treatment
06-Nov-2016 1:19 - HIV Switched To Second Line
06-Nov-2016 1:03 - HIV Treatment Failure
06-Nov-2016 1:02 - New HIV Disease

**Name** John M Doe  
**Identifier** 10000X  
**Gender** M  
**Date of Birth** 23-Feb-1991  
**Deceased** Yes  
**Date of Death** 06-Nov-2016  
**Cause of death** None  
**Trigger(s)** HIV Patient Died

**Data**

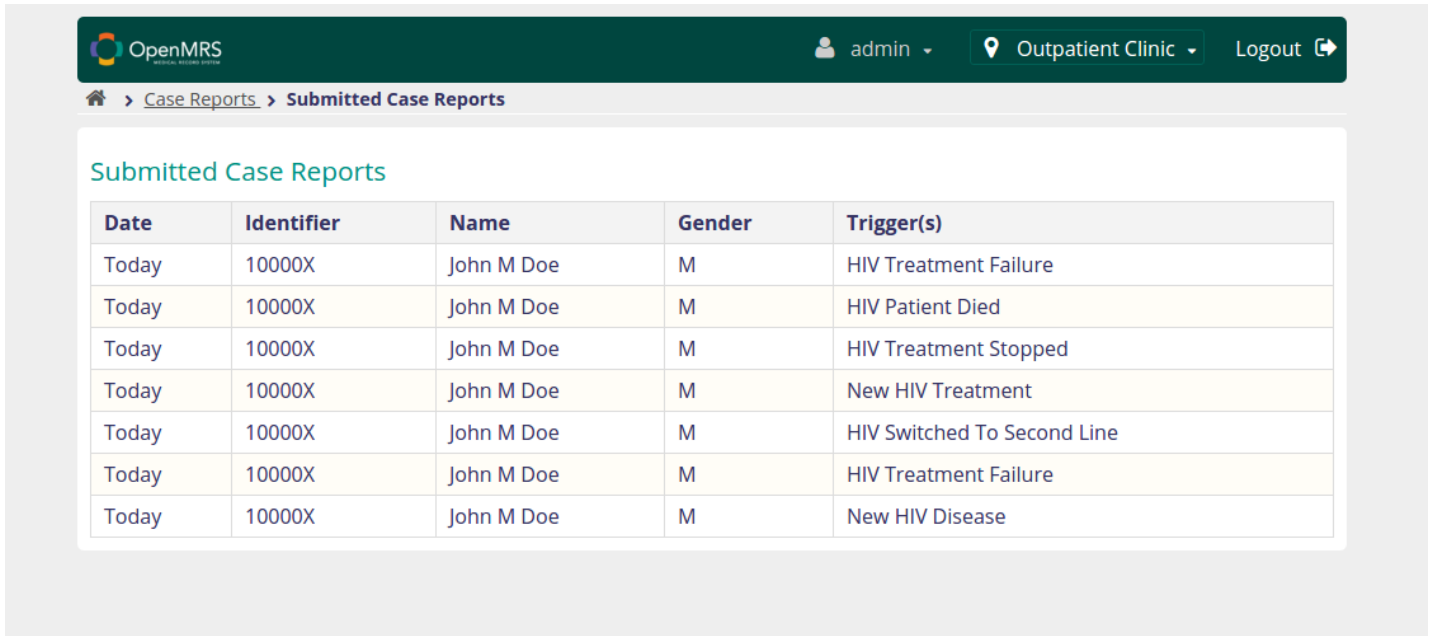
<b>Viral Load</b>	7000 (05-Nov-2016 0:00)		
<b>CD4 Count</b>	None Found		
<b>HIV Test</b>	POSITIVE (05-Nov-2016 17:36)		

**Current WHO Classification** WHO STAGE 3 ADULT  
**Reason ARVs stopped** Toxicity, drug  
**Last visit** 05-Nov-2016 17:35

**Signature** Super User (admin)

Cancel Submit

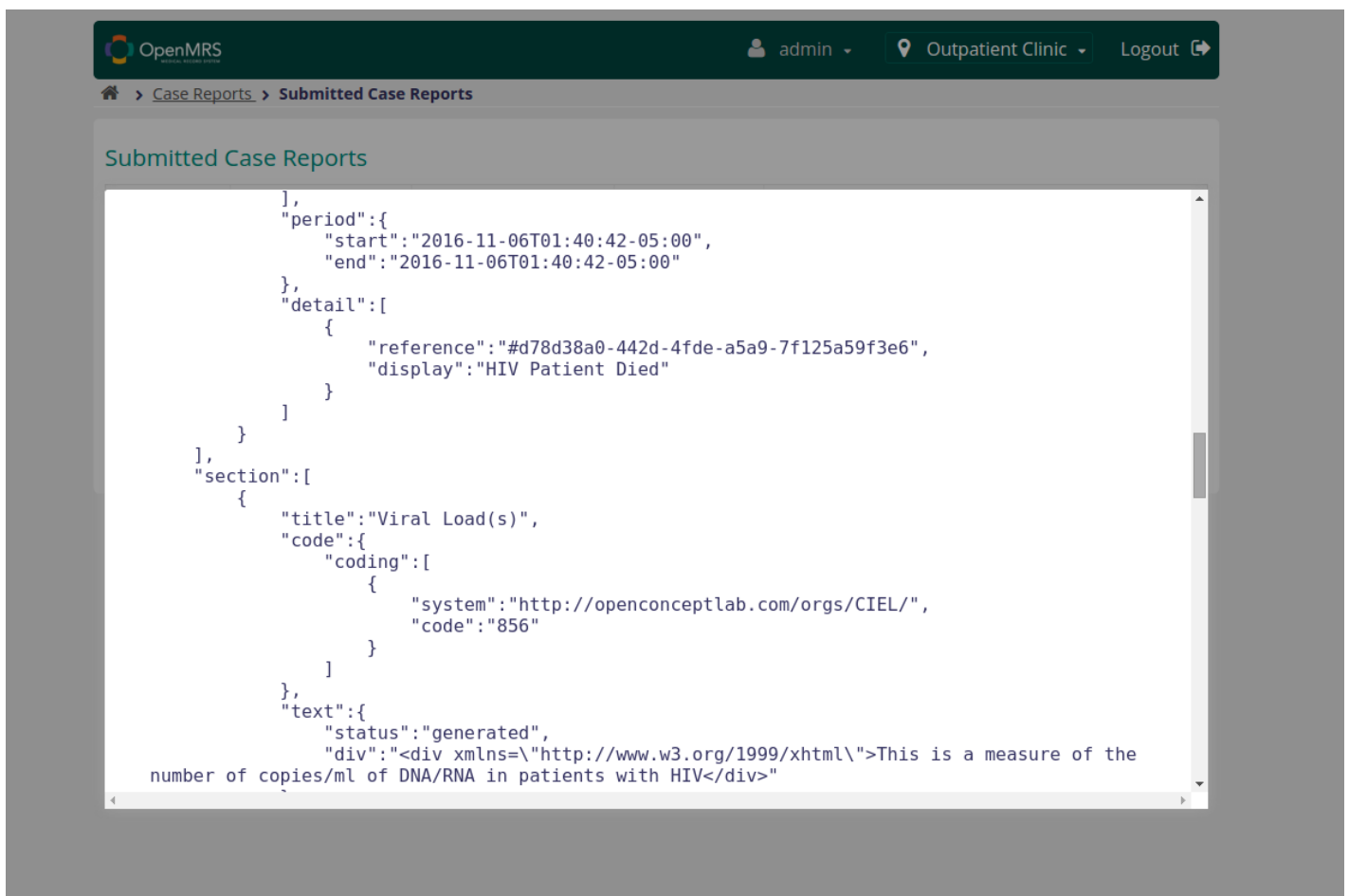
## Submitted case reports



The screenshot shows the OpenMRS interface with a dark green header. The user is logged in as 'admin' and is viewing the 'Outpatient Clinic'. The breadcrumb trail is 'Home > Case Reports > Submitted Case Reports'. The main content area is titled 'Submitted Case Reports' and contains a table with the following data:

Date	Identifier	Name	Gender	Trigger(s)
Today	10000X	John M Doe	M	HIV Treatment Failure
Today	10000X	John M Doe	M	HIV Patient Died
Today	10000X	John M Doe	M	HIV Treatment Stopped
Today	10000X	John M Doe	M	New HIV Treatment
Today	10000X	John M Doe	M	HIV Switched To Second Line
Today	10000X	John M Doe	M	HIV Treatment Failure
Today	10000X	John M Doe	M	New HIV Disease

## case report as FHIR Document



The screenshot shows the same OpenMRS interface as above, but the main content area displays a FHIR JSON document for a case report. The JSON is as follows:

```
{
  "period": {
    "start": "2016-11-06T01:40:42-05:00",
    "end": "2016-11-06T01:40:42-05:00"
  },
  "detail": [
    {
      "reference": "#d78d38a0-442d-4fde-a5a9-7f125a59f3e6",
      "display": "HIV Patient Died"
    }
  ]
},
"section": [
  {
    "title": "Viral Load(s)",
    "code": {
      "coding": [
        {
          "system": "http://openconceptlab.com/orgs/CIEL/",
          "code": "856"
        }
      ]
    }
  }
],
"text": {
  "status": "generated",
  "div": "<div xmlns=\\"http://www.w3.org/1999/xhtml\\">This is a measure of the number of copies/ml of DNA/RNA in patients with HIV</div>"
}
```