

1. API to fetch details of an Invoice

Request

URL : https://ehr.charmtracker.com/api/ehr/v1/invoices/<invoice_id>

Method : GET

Parameter Details

Name	Value	Description
invoice_id	Number with maximum length of 19	It is a mandatory parameter

Details

This API will fetch details of an invoice along with procedures, products, applied payments, write-offs, patient and facility details in JSON format. The fields shown in blue color in the below response are optional. Optional fields will become part of the response only when its corresponding value is available.

Sample Response

```
{
  "code": 0,
  "message": "success",
  "invoice": {
    "invoice_id": "100000000000011001",
    "invoice_number": "INV6",
    "invoice_type": "Invoice|Credit Note",
    "invoice_date": "2020-05-30",
    "invoice_added_date": "2020-05-30",
    "invoice_updated_date": "2020-05-30",
    "invoice_amount": "262.0",
    "invoice_status": "Paid | Partially Paid | Unpaid | Canceled",
    "invoice_generated_by": "Dr. Steven Antonio",
    "is_available_credit_used": "false | true",
```

```
"total_payment_amount": "230.0",
"total_invoice_payment_amount": "230.0",
"total_writeoff_amount": "22.0",
"total_adjustment_amount": "10.0",
"invoice_due": "0.0",
"invoice_provider_name": "Dr. Steven Antonio",
"invoice_provider_id": "100000000000011983",
"invoice_terms": "Products once sold cannot be taken back",
"invoice_notes": "Take medicines at time as prescribed",
"encounter_date": "2014-12-12",
"encounter_id": "100000000000005905",
"insurance_id": "100000000000009379",
"pricing_profile_id": "100000000000009682",
"patient_details": {
    "patient_id": "100000000000002027",
    "patient_first_name": "Anand Kumar",
    "patient_middle_name": "",
    "patient_last_name": "Arulmurugan",
    "patient_full_name": "Anand Kumar Arulmurugan",
    "patient_record_id": "cha0001",
    "patient_gender": "male | female",
    "patient_dob": "1988-07-02",
    "address_details": {
        "address_line_1": "F2, Neo Street",
        "address_line_2": "Central Park",
        "city": "Montgomery",
        "state": "Alabama",
        "country": "us",
        "zip_code": "614616-9102"
    }
},
"facility_details": {
    "facility_id": "100000000000000179",
```

```
        "facility_name": "charmadmin",
        "facility_code": "charm"
    },
    "insurance_details": {
        "insurance_id": "100000000000002917",
        "insurance_name": "MEDICAID",
        "insurance_number": "66778899",
        "insurance_type": "MEDICAID",
        "payer_name": "Medicaid of Alabama",
        "payer_id": "ALMCD"
    },
    "procedures": [
        {
            "item_id": "100000000000011007",
            "item_name": "Level 3 - New Patient Office Visit",
            "item_type": "Procedure" ,
            "item_charge": "210.0",
            "item_quantity": "1",
            "code_id": "100000000000011058",
            "code_number": "99203",
            "discount_amount": "10.0",
            "tax_name": "Service Tax",
            "tax_percentage": "20.0",
            "tax_amount": "40.0",
            "tax_name_2": "Value Added Tax",
            "tax_percentage_2": "10.0",
            "tax_amount_2": "20.0",
            "item_total": "260.0"
        }
    ],
    "products": [
        {
            "item_id": "100000000000011003",
```

```
    "item_name": "Cholecalciferol 0.0712 mg tablet",
    "item_type": "Inventory",
    "item_charge": "11",
    "item_quantity": "2",
    "product_id": "100000000000011083",
    "inventory_id": "1000000000000857293",
    "category_name": "Support",
    "batch_number": "SKU #19",
    "product_id_display": "PRO8956",
    "cost_price": "10.50",
    "expiry_date": "2016-11-23",
    "discount_amount": "2.0",
    "tax_name": "Sales Tax",
    "tax_percentage": "10.0",
    "tax_amount": "2.0",
    "tax_name_2": "Additional Sales Tax",
    "tax_percentage_2": "10.0",
    "tax_amount_2": "2.0",
    "item_total": "24"
  }
],
"payments": [
  {
    "transaction_id": "100000000000065009",
    "payment_id": "1000000000000110793",
    "payment_amount": "200.0",
    "payment_to": "Invoice | Claim",
    "payment_added_date": "2014-12-12",
    "payment_updated_date": "2014-12-12",
    "receipt_number": "15",
    "receipt_date": "2014-12-12",
    "receipt_id": "100000000000011053",
    "receipt_amount": "200.0",
```

```
"payment_method": "Cash",
"is_patient_payment": "true | false",
"is_deleted": "false",
"reference_payment_id": "",
"reference_number": "receipt reference number",
"check_number": "check reference number",
"item_payments":[
    {
        "item_id":"100000000000011007",
        "item_payment_amount":"200.00"
    }
],
{
    "transaction_id": "100000000000063215",
    "payment_id": "1000000000000110084",
    "payment_amount": "22.00",
    "payment_to": "Invoice",
    "payment_added_date": "2014-12-12",
    "payment_updated_date": "2014-12-12",
    "receipt_number": "16",
    "receipt_date": "2014-12-12",
    "receipt_id": "100000000000011065",
    "receipt_amount": "150.00",
    "payment_method": "Check",
    "is_patient_payment": "true | false",
    "is_deleted": "false",
    "reference_payment_id": "",
    "reference_number": ""receipt reference number",
    "check_number": "check reference number"
    "applied_invoice_number": ""INV234",
    "item_payments":[
        {
```

```

        "item_id": "100000000000011003",
        "item_payment_amount": "22.00"
    }
]
}
],
"writeoff": [
    {
        "transaction_id": "100000000000065009",
        "writeoff_id": "100000000000011035",
        "writeoff_amount": "20.00",
        "writeoff_date": "2014-12-12",
        "writeoff_added_date": "2014-12-12",
        "writeoff_updated_date": "2014-12-12",
        "writeoff_type": "Contractual",
        "writeoff_comments": "",
        "is_patient_writeoff": "true | false",
        "writeoff_applied_to": "Invoice | Claim",
        "item_writeoffs": [
            {
                "item_id": "100000000000011007",
                "item_writeoff_amount": "20.00",
                "item_writeoff_type": "Contractual"
            }
        ]
    }
],
"adjustments": [
    {
        "transaction_id": "100000000000065009",
        "adjustment_id": "100000000000011358",
        "adjustment_amount": "10.00",
        "adjustment_date": "2014-12-12",

```

```
"adjustment_added_date": "2014-12-12",
"adjustment_updated_date": "2014-12-12",
"adjustment_type": "Withhold Amount",
"is_patient_adjustment": "true | false",
"adjustment_applied_to": "Invoice | Claim",
"item_adjustments":[
    {
        "item_id":"100000000000011007",
        "item_adjustment_amount":"10.00",
        "item_adjustment_type":"Contractual
Obligation (CO)"
    }
]
},
"patient_responsibility": [
    {
        "transaction_id": "100000000000065009",
        "pat_res_id": "100000000000011358",
        "pat_res_amount": "10.00",
        "pat_res_type": "Copay",
        "pat_res_comments": "comments",
        "is_rcm_pat_res": "true | false",
        "item_patient_responsibility":[
            {
                "item_id":"100000000000011007",
                "item_pat_res_amount_1":"5.00",
                "item_pat_res_type_1":"Copay",
                "item_pat_res_amount_2":"5.00",
                "item_pat_res_type_2":"Deductible",
                "item_pat_res_comments":
"comments",
            }
        ]
    }
]
```

}
}
]
}
]

2. API to fetch details of Invoices (Invoices List API)

Request

URL :

https://ehr.charmtracker.com/api/ehr/v1/invoices?facility_id=<facility_value>&patient_id=<patient_id_value>

Method : GET

Parameter Details

Parameter Name	Parameter Value	Example	Description
facility_id	Number with maximum length of 19	If facility_id is not given, Invoices are fetched across facilities	It is a non-mandatory parameter
patient_id	Number with maximum length of 19	If patient_id is not given, Invoices of all patients are fetched	It is a non-mandatory parameter
invoice_number	String	Refers to "Invoice Display ID" in ChARM.	It is a non-mandatory parameter
invoice_type	Invoice (or) Credit Note	If invoice_type is not given, both Invoices and Credit Notes are fetched	It is a non-mandatory parameter
date_name	invoice_date (or) invoice_added_date (or) invoice_updated_date	Invoices are fetched based on this date	It is a non-mandatory parameter. Default value is invoice_date .
from_date	yyyy-mm-dd (or) yyyy-mm-dd hh:mm:ss	2015-01-10 2015-01-10 20:30:40	It is a mandatory parameter
to_date	yyyy-mm-dd (or) yyyy-mm-dd hh:mm:ss	2015-01-10 2015-01-10 20:30:40	It is a mandatory parameter
start_index	Number	Invoices are fetched from this index	It is a non-mandatory parameter. Default value is 1

count	Number	Number of Invoices to be fetched	It is a non-mandatory parameter. Default value is 100
is_ascending	Boolean	If it is true, Invoices are fetched in ascending order for given date_name	It is a non-mandatory parameter. Default value is true
invoice_status	Paid (or) Partially Paid (or) Unpaid (or) Outstanding (or) All (or) Draft (or) All_With_Draft_Invoices	If it is given, only Invoices with that status will be fetched	It is a non-mandatory parameter. Default value is All

Parameter Value	Description
invoice_date	Refers the date chosen by the user for Invoice i.e 'Invoice Date'
invoice_added_date	Refers the first approved date of Invoice i.e 'Invoice Added Date'
invoice_updated_date	Refers the latest updated date of Invoice i.e 'Invoice Updated Date'. The operations such as 'Add/Edit Payment', 'Add/Edit Write-off', 'Edit/Cancel Invoice' and 'Void Payment' are considered as 'Update' for Invoice

Details

- This API will fetch details of Invoices based on specified date_name, from_value, to_value and start_value parameters
- This API will return a maximum of 100 Invoices in single call. This API should be called in loop with respective value for the parameter **start_index** to get all Invoices for the given criteria. And loop should terminate when Invoices count is less than 100
- For 1st API call, value for the parameter **start_index** should be 1. For 2nd API call, it should be 101 and so on

Sample Response

```
{
  "code": 0,
  "message": "success",
  "invoices": [
    {...1st invoice...},
    {...2nd invoice...},
    .
    {...nth invoice...}
  ]
}
```