

# Medical History API

## Procedures, Surgeries and Hospitalization

### List Procedures, Surgeries and Hospitalization API

API to fetch the patient procedure, Surgeries and Hospitalization

#### URI

GET - /api/ehr/v1/patients/{patient\_id}/medicalhistory/procedure

#### sample cURL - Request

```
curl -L -X GET
```

```
'https://ehr.charmtracker.com/api/ehr/v1/patients/100005000000290159/medicalhistory  
/procedure
```

```
-H 'Authorization: Bearer
```

```
1000.32464f777a12dc73e2f1234137d3b692.79e37e2eaf5fd7da7b8a1da684f9f14c'
```

```
-H 'api_key: 0b286141f2c87839ddcddd0c56e52575'
```

#### Sample Response

```
{  
  "code": "0",  
  "message": "success",  
  "data":  
    [  
      {  
        "date_of_entry": "2023-03-08",  
        "comments": "did brain imaging with vascular flow procedure on Jan 3 2023",  
        "from_date": "2023-03-01",  
        "to_date": "",  
        "time_of_entry": "1678280166164",  
        "added_by": "100005000000000101",  
        "procedure_id": "100005000001013303",  
        "procedure": "Brain imaging with vascular flow",  
      }  
    ]  
}
```

```

    "procedure_type": "Procedure",
    "snomed_code": "32289004"
  },
  {
    "date_of_entry": "2023-03-08",
    "comments": "hospitalized for 10 days to recover from accident",
    "from_date": "2014-03-05",
    "to_date": "2014-03-15",
    "time_of_entry": "1678280259520",
    "added_by": "100005000000000101",
    "procedure_id": "100005000001013307",
    "procedure": "Car accident",
    "procedure_type": "Hospitalization",
    "snomed_code": ""
  }
]
}

```

## Add Procedure, Surgeries and Hospitalization API

The API to add patient procedure, Surgeries and Hospitalization

### URI

POST - /api/ehr/v1/patients/{patient\_id}/medicalhistory/procedure

### Form Data

Key Name	Type	Optional / Required	Description
procedure_type	String	Required	type of the procedure max-length is 35 (Only pre-defined procedure types, check the next table)
procedure	String	Required	name of the procedure max-length is 35
from_date	Date format: yyyy-	optional	date of the procedure

	mm-dd		occurred.
to_date	Date format: yyyy-mm-dd	optional	end date of the hospitalization or other events
procedure_notes	String	optional	notes to the procedure max-length is 35
snomed_code	String	optional	SNOMED code of the procedure, max-length is 18,

### Procedure\_type predefined values

Key Name	Values
Procedure_type	Procedure,Surgeries,Hospitalization,Other Events

### Sample cURL - Request

```
curl -L -X POST
```

```
'https://ehr.charmtracker.com/api/ehr/v1/patients/100005000000290159/medicalhistory/procedure'
```

```
-H 'Authorization: Bearer xxxxxx'
```

```
-H 'Cache-Control: no-cache'
```

```
-H 'api_key: 0cfb15f7b337672a1e3d72bc4733972a'
```

```
--data-raw '{"procedure_type":"Other Events","procedure":"other events from api","from_date":"2021-10-25","to_date":"2022-10-26","procedure_notes":"notes from cdsadsdf api","snomed_code":342342}'
```

### Sample Response

```
{
  "code": "0",
  "message": "Procedures added successfully.",
  "data": {
    "procedure_id": "1000050000001014003"
  }
}
```

## Edit Procedure,Surgeries and Hospitalization API

The API to edit patient Procedure,Surgeries and Hospitalization

### URI

PUT -/api/ehr/v1/patients/{patient\_id}/medicalhistory/procedure/{procedure\_id}

### Form Data

Key Name	Type	Optional / Required	Description
procedure_type	String	Required	type of the procedure max-length is 35 (Only pre-defined procedure types)
from_date	Date format: yyyy-mm-dd	optional	date of the procedure occurred.
to_date	Date format: yyyy-mm-dd	optional	end date of the surgery or other event.
procedure_notes	String	optional	notes to the procedure max-length is 35
snomed_code	String	optional	SNOMED code of the procedure, max-length is 18

### Procedure\_type predefined values

Key Name	Values
Procedure_type	Procedure,Surgeries,Hospitalization,Other Events

### Sample cURL - Request

```
curl -L -X PUT
```

```
'https://ehr.charmtracker.com/api/ehr/v1/patients/100005000000290159/medicalhistory/procedure/100005000001014039'
```

```
-H 'Authorization: Bearer xxxxxx'
```

```
-H 'Cache-Control: no-cache'
```

```
-H 'api_key: 0cfb15f7b337672a1e3d72bc4733972a' --data-raw '{
  "procedure_type": "Procedure",
  "procedure_notes": "procedure updated",
  "to_date": "2020-12-16",
  "from_date": "2010-10-19",
  "snomed_code": "1234231"
}'
```

### Sample Response

```
{
  "code": "0",
  "message": "patient procedure updated successfully"
}
```

## Delete Procedure, Surgeries and Hospitalization API

The API to delete patient Procedure, Surgeries and Hospitalization

### URI

DELETE - /api/ehr/v1/patients/{patient\_id}/medicalhistory/procedure/{procedure\_id}

### Sample cURL - Request

```
curl -L -X DELETE
'https://ehr.charmtracker.com/api/ehr/v1/patients/100005000000290159/medicalhistory/procedure/100005000001013211'
-H 'Authorization: Bearer
1000.32464f777a12dc73e2f1234137d3b692.79e37e2eaf5fd7da7b8a1da684f9f14c'
-H 'api_key: 0b286141f2c87839ddcddd0c56e52575'
```

### Sample Response

```
{
  "code": "0",
  "message": "Procedures Deleted Successfully."
}
```

## Patient Past Medical History

### Get Patient Past Medical API

The API to get the past medical history of a patient.

#### URI .

GET - /api/ehr/v1/patients/{patient\_id}/medicalhistory/pastmedicalhistory

#### Sample cURL - Request

```
curl -L -X GET
```

```
'https://ehr.charmtracker.com/api/ehr/v1/patients/100005000000290159/medicalhistory/pastmedicalhistory
```

```
-H 'Authorization: Bearer
```

```
1000.32464f777a12dc73e2f1234137d3b692.79e37e2eaf5fd7da7b8a1da684f9f14c'
```

```
-H 'api_key: 0b286141f2c87839ddcddd0c56e52575'
```

#### Sample Response

```
{
  "code": "0",
  "message": "success",
  "data": {
    "past_medical_history": "<div>Had tuberculosis and went to smoking rehabilitation center for a month.<br></div>",
    "past_encounters": [
      {
        "member_id": "100005000000000101",
        "past_medical_history": "<div>using nicotine patches for past couple of months.</div>",
        "appointment_date": "2023-03-08 06:10:00.0",
        "encounter_id": "100005000001013331"
      },
      {
        "member_id": "100005000000000101",
```

```

    "past_medical_history": "<div>taking medicine for panic attack for past 12
days.</div>",
    "appointment_date": "2023-01-12 00:00:00.0",
    "encounter_id": "100005000001013357"
  }
]
}
}

```

## Add Patient Past Medical History API

The API to add patient Past Medical History

### URI

POST - /api/ehr/v1/patients/{patient\_id}/medicalhistory/pastmedicalhistory

### Form Data

Key Name	Type	Optional / Required	Description
content	String	Required	Past medical history of the patient
is_html	Boolean	Optional	type of the content. True if the provided content is HTML(Default true).

### Sample cURL - Request

curl -L -X POST

'https://ehr.charmtracker.com/api/ehr/v1/patients/100005000000290159/medicalhistory/pastmedicalhistory'

-H 'Authorization: Bearer xxxxxx'

-H 'Cache-Control: no-cache'

-H 'api\_key: 0cfb15f7b337672a1e3d72bc4733972a'

--data-raw '{

"content": "using nicotine patches for past 3 months",

"is\_html": false

}'

### Sample Response

```
{
  "code": "0",
  "message": "Past Medical History added successfully."
}
```

---

## Patient Social History

### Get Patient Social History API

The API to get the social history of a patient.

#### URI

GET - /api/ehr/v1/patients/{patient\_id}/medicalhistory/socialhistory

#### Sample cURL - Request

curl -L -X GET

'https://ehr.charmtracker.com/api/ehr/v1/patients/100005000000290159/medicalhistory  
/socialhistory

-H 'Authorization: Bearer

1000.32464f777a12dc73e2f1234137d3b692.79e37e2eaf5fd7da7b8a1da684f9f14c'

-H 'api\_key: 0b286141f2c87839ddcddd0c56e52575'

### Sample Response

```
{
  "code": "0",
  "message": "success",
  "data": {
    "social_history": "<div><span style=\"background-color:rgba(0, 0, 0, 0)\"><span  
style=\"color:rgb(0, 0, 0)\"><span style=\"font-family:Roboto\"><span style=\"font-  
size:12pt\">worked in construction sites and power plant as engineer for 15  
years</span></span></span></span><br></div>",
    "past_encounters": [
      {
```



```

    "member_id": "100005000000000101",
    "appointment_date": "2023-03-08 06:10:00.0",
    "encounter_id": "100005000001013331",
    "past_family_and_social_history": "<div>from a family with diabetic
background.</div>"
  },
  {
    "member_id": "100005000000000101",
    "appointment_date": "2023-01-12 00:00:00.0",
    "encounter_id": "100005000001013357",
    "past_family_and_social_history": "<div>hesitation to be social for past 1
year.</div>"
  }
]
}
}

```

## Add Patient Social History API

The API to add patient Social History

### URI

POST - /api/ehr/v1/patients/{patient\_id}/medicalhistory/socialhistory

### Form Data

Key Name	Type	Optional / Required	Description
content	String	Required	Social history of the patient
is_html	Boolean	Optional	type of the content. True if the provided content is HTML(default true).

### Sample cURL - Request

curl -L -X POST

'https://ehr.charmtracker.com/api/ehr/v1/patients/100005000000290159/medicalhistory/socialhistory'

```
-H 'Authorization: Bearer xxxxxx'  
-H 'Cache-Control: no-cache'  
-H 'api_key: 0cfb15f7b337672a1e3d72bc4733972a'  
--data-raw '{  
  "content": "worked in construction site and power plant as engineer",  
  "is_html": false  
'
```

### Sample Response

```
{  
  "code": "0",  
  "message": "Social History added successfully."  
}
```

---

## Patient Family History

### Get Patient Family History API

The API to get patient family history

#### URI

GET - /api/ehr/v1/patients/{Patient\_id}/medicalhistory/familyhistory

#### Sample cURL - Request

```
curl -L -X GET  
'https://ehr.charmtracker.com/api/ehr/v1/patients/100005000000290159/medicalhistory  
/familyhistory  
-H 'Authorization: Bearer  
1000.32464f777a12dc73e2f1234137d3b692.79e37e2eaf5fd7da7b8a1da684f9f14c'  
-H 'api_key: 0b286141f2c87839ddcddd0c56e52575'
```

#### Sample Response

```
{  
  "code": "0",
```

```
"message": "success",
"data":
[
  {
    "has_dx_record": true,
    "is_deceased": true,
    "diagnosis_list": [
      {
        "date_of_entry": "2023-03-08",
        "comments": "dead by kidney infection",
        "diagnosis_id": "2000000045901",
        "diagnosis": "Liver spot"
      },
      {
        "date_of_entry": "2023-03-08",
        "comments": "",
        "diagnosis_id": "2000000081445",
        "diagnosis": "Kidney crystallization"
      }
    ],
    "dob": "01/01/1943",
    "relationship": "Natural Father",
    "age": 80,
    "family_history_id": "100005000001013375"
  },
  {
    "has_dx_record": false,
    "is_deceased": false,
    "diagnosis_list": [],
    "dob": "01/01/1948",
    "relationship": "Natural Mother",
    "age": 75,
    "family_history_id": "100005000001013383"
  },
  {
    "has_dx_record": true,
```

```

    "is_deceased": false,
    "diagnosis_list": [
      {
        "date_of_entry": "2023-03-08",
        "comments": "treated several times cure kidney worm infection",
        "diagnosis_id": "2000000068809",
        "diagnosis": "Kidney worm infection"
      }
    ],
    "dob": "01/01/1989",
    "relationship": "Natural Brother",
    "age": 34,
    "family_history_id": "100005000001013387"
  }
]
}

```

## Add Patient Family History API

The API to add patient family history

### URI

POST - /api/ehr/v1/patients/{patient\_id}/medicalhistory/familyhistory

### Form Data

Key Name	Type	Optional / Required	Description
relationship	String	Required	Type of relationship to the patient(only pre defined relations, check the next table)
is_deceased	Boolean	Required	status of the family member if he/she is alive
age	Integer	Optional	age of the family member. Don't have to add if dob is provided.

dob	Date format: yyyy-mm-dd	Optional	Data of birth of the family member.
diagnosis	JSONArray	Optional	Diagnosis list of the family member
comments	String	Optional	notes of the active problems max-length 255

#### diagnosis (JSONArray)

Key Name	Type	Optional / Required	Description
diagnosis_id	Long	Required	ID of the diagnosis

#### relationship predefined values

Key Name	Values
relationship	Natural Father, Natural Mother, Natural Brother, Natural Sister, Half Brother, Half Sister, Twin Brother, Twin Sister, Natural Son, Natural Daughter, Paternal grandfather, Paternal grandmother, Maternal grandfather, Maternal grandmother

#### Sample cURL - Request

```
curl -L -X POST
```

```
'https://ehr.charmtracker.com/api/ehr/v1/patients/100005000000290159/medicalhistory/familyhistory'
```

```
-H 'Authorization: Bearer xxxxxx'
```

```
-H 'Cache-Control: no-cache'
```

```
-H 'api_key: 0cfb15f7b337672a1e3d72bc4733972a'
```

```
--data-raw '
```

```
{
  "relationship": "Natural Brother",
  "is_deceased": "true",
  "dob": "1991-10-30",
  "comments": "using from father",
  "diagnosis": [{"diagnosis_id": 2000000007029}, {"diagnosis_id": 2000000007047}]
}
```

## Sample Response

```
{
  "code": "0",
  "message": "Family History added successfully.",
  "history": {
    "family_history_id": "100005000001014005"
  }
}
```

## Edit Patient Family History API

The API to edit patient Family History

### URI

PUT `-/api/ehr/v1/patients/{patient_id}/medicalhistory/familyhistory/{history_id}`

### Form Data

Key Name	Type	Optional / Required	Description
is_deceased	Boolean	Required	status of the family member if he/she is alive
age	Integer	Optional	age of the family member. Don't have to add if dob is provided.
dob	Date format: yyyy-mm-dd	Optional	Date of birth of the family member
diagnosis	JSONArray	Optional	Diagnosis list of the family member
comments	String	Optional	notes of the active problems max-length 255

### Diagnosis (JSONArray)

Key Name	Type	Optional / Required	Description
----------	------	---------------------	-------------

diagnosis_id	Long	Required	ID of the diagnosis
--------------	------	----------	---------------------

#### relationship predefined values (JSONArray)

Key Name	Values
relationship	Natural Father, Natural Mother, Natural Brother, Natural Sister, Half Brother, Half Sister, Twin Brother, Twin Sister, Natural Son, Natural Daughter, Paternal grandfather, Paternal grandmother, Maternal grandfather, Maternal grandmother

#### Sample cURL - Request

```
curl -L -X PUT
```

```
'https://ehr.charmtracker.com/api/ehr/v1/patients/100005000000290159/medicalhistory/familyhistory/100005000001013125'
```

```
-H 'Authorization: Bearer xxxxxx'
```

```
-H 'Cache-Control: no-cache'
```

```
-H 'api_key: 0cfb15f7b337672a1e3d72bc4733972a'
```

```
--data-raw '
```

```
{
```

```
"dob": "1980-01-03",
```

```
"is_deceased": "true",
```

```
"comments": "second brother of the patient",
```

```
"diagnosis": [{"diagnosis_id": 2000000007029}, {"diagnosis_id": 2000000007039}]}'
```

#### Sample Response

```
{
  "code": "0",
  "message": "Patient Family History updated successfully"
}
```

## Delete Patient Family History API

The API to delete patient Family History

#### URI

DELETE - /api/ehr/v1/patients/{patient\_id}/medicalhistory/familyhistory/{history\_id}



### Sample cURL - Request

```
curl -L -X DELETE
```

```
'https://ehr.charmtracker.com/api/ehr/v1/patients/100005000000290159/medicalhistory/familyhistory/100005000001013137'
```

```
-H 'Authorization: Bearer
```

```
1000.32464f777a12dc73e2f1234137d3b692.79e37e2eaf5fd7da7b8a1da684f9f14c'
```

```
-H 'api_key: 0b286141f2c87839ddcddd0c56e52575'
```

### Sample Response

```
{  
  "code": "0",  
  "message": "Family History Deleted Successfully."  
}
```