

# Messages API

## Messages List API

The API to list the messages.

### URI

GET - /api/ehr/v1/messages

### Query Parameters

Key Name	Type	Optional/Required	Description
section	String	Required	Allowed Values - inbox sent trash folder sent_from_rcm
sub_section	String	Optional	Allowed Values - from_patients from_members
related_patient_id	Long	Optional	Filter the messages with the given patient id
received_time_(greater_than   less_than   greater_equals   less_equals )	Long	Optional	Filter chart note with received time
folder_id	Long	Optional	Filter the messages with the given folder id
page	Integer	Optional	-
per_page	Integer	Optional	-
sort_order	String	Optional	Allowed Values - A, D. A - Ascending; D - Descending.
sort_column	String	Optional	Allowed Value - created_time

### Sample cURL - Request

```
curl -i -X GET \
-H "Authorization:Bearer YXBpZGVtbzJAbWVka==" \
https://apiehr.charmtracker.com/api/ehr/v1/messages?section=inbox
```

### Sample Response

```
{
  "code": "0",
  "message": "success",
  "messages": [
    {
      "message_id": "100000000000000000",
      "date": "2020-08-14T09:59:02-0700",
      "subject": "Subject",
      "type": "General",
      "has_attachments": "false",
      "related_patient_id": "",
      "related_patient_name": "",
      "related_patient_record_id": "",
      "sender_details": {
        "sender_id": "100000000000000000",
        "sender_name": "Dummy Patient"
      },
      "receiver_details": {
        "receiver_id": "100000000000000000",
        "receiver_name": "Dr. marry Williams"
      },
      "status": "read",
      "is_replied": "false",
      "is_forwarded": "false",
      "folder_id": "",
      "folder_name": ""
    },
  ],
  "page_context": {
    "page": "1",
  }
}
```

```
"per_page": "50",  
"has_more_page": "false",  
"sort_column": "created_time",  
"sort_order": "D"  
}  
}
```

---

### **View Message API**

The API to view the message details

## URI

GET - api/ehr/v1/messages/{message\_id}

## Sample cURL - Request

```
curl -i -X GET \
-H "Authorization:Bearer YXBpZGVtbzJAbWVka==" \
https://apiehr.charmtracker.com/api/ehr/v1/messages/1000000000000000000
```

## Sample Response

```
{
  "code": "0",
  "message": "success",
  "message_detail": {
    "is_replied": "false",
    "is_forwarded": "false",
    "message_id": "1000000000000000000",
    "date": "2020-08-14T09:59:02-0700",
    "subject": "Subject",
    "related_patient_id": "",
    "related_patient_name": "",
    "related_patient_record_id": "",
    "content": "<div>Message content</div>",
    "sender": {
      "sender_id": "1000000000000000000",
      "sender_name": "Dr. marry Williams",
      "sender_type": "member"
    },
    "receivers": {
      "patients": [],
      "members": [
        {
          "member_name": "marry Williams",
          "member_id": "1000000000000000000"
        }
      ]
    },
    "attachments": []
  }
}
```

```
}  
}
```

---

### **Get Message Attachment API**

The API to get the message attachment

**URI**

GET - /api/ehr/v1/messages/attachments/{attachment\_id}

**Sample cURL - Request**

```
curl -i -X GET \  
  -H "Authorization:Bearer YXBpZGVtbzJAbWVka==" \  
https://apiehr.charmtracker.com/api/ehr/v1/messages/attachments/10000000000000  
00
```

---

**Delete Message Attachment API**

The API to delete the message attachment.

## URI

DELETE - /api/ehr/v1/messages/attachments/{attachment\_id}

## Sample cURL - Request

```
curl -i -X DELETE \
  -H "Authorization:Bearer YXBpZGVtbzJAbWVka==" \
  https://apiehr.charmtracker.com//api/ehr/v1/messages/attachments/1000000000000000
```

## Sample Response

```
{
  "code": "0",
  "message": "Message(s) deleted successfully."
}
```

---

## Send Message API

The API used to send a message

## URI

POST - /api/ehr/v1/messages

### Form Data

Key Name	Type	Optional/Required	Description
subject	String	Optional	max length : 255
related_patient_id	Long	Optional	-
facility_id	Long	Required	-
content	String	Optional	-
receivers	JSONObject(ReceiverTemplate)	Optional	-
attachments	JSONArray(AttachmentTemplate)	Optional	-

### ReceiverTemplate

Key Name	Type	Optional/Required	Description
patients	JSONArray(PatientsTemplate)	Optional	-
members	JSONArray(MembersTemplate)	Optional	-

### PatientsTemplate

Key Name	Type	Optional/Required	Description
patient_id	Long	Required	-

### MembersTemplate

Key Name	Type	Optional/Required	Description
member_id	Long	Required	-



## AttachmentTemplate

Key Name	Type	Optional/Required	Description
attachment_id	Long	Required	-

## Sample cURL - Request

```
curl -i -X POST \
  https://apiehr.charmtracker.com/api/ehr/v1/messages
-H "Content-Type:application/json" \
-H "Authorization:Bearer YXBpZGVtbzJAbWVka==" \
-d \
'{
  "subject": "Test subject",
  "related_patient_id": "100000000000000000",
  "facility_id": "100000000000000000",
  "content": "",
  "receivers" :{
    "members":[
      {
        "member_id":100000000000000000
      }
    ],
    "patients" :[
      {
        "patient_id": 100000000000000000
      }
    ]
  },
  "attachments" :[
    {
      "attachment_id":100000000000000000
    }
  ]
}' \
```

### Sample Response

```
{  
  "code": "0",  
  "message": "Message sent successfully"  
}
```

---

### Upload Message attachment API

The API to upload a message attachment file.

## URI

POST - /api/ehr/v1/messages/attachments/file

## Form Data

Key Name	Type	Optional/Required	Description
file	file	Required	Max file size - 20MB

## Sample cURL - Request

```
curl -i -X POST \
  https://apiehr.charmtracker.com/api/ehr/v1/messages/attachments/file
-H 'content-type: multipart/form-data; boundary=----
WebKitFormBoundary7MA4YWxkTrZu0gW' \
-F file=@/home/local/image.jpg
```

## Sample Response

```
{
  "code": "0",
  "message": "Attachment added successfully.",
  "attachment": {
    "attachment_id": "100000000000000000",
    "attachment_name": "image.jpg"
  }
}
```

---

## Message Member Signature API

The API to view member's message signature.

## URI

GET - api/ehr/v1/messages/signature

## Sample cURL - Request

```
curl -i -X GET \  
-H "Authorization:Bearer YXBpZGVtbzJAbWVka==" \  
https://apiehr.charmtracker.com/api/ehr/v1/messages/signature
```

## Sample Response

```
{  
  "code": "0",  
  "message": "success",  
  "member_signature": {  
    "is_signature_enabled": "true",  
    "signature_content": "<div>Regards,<br /></div><div>Dr. Marry Williams</div>"  
  }  
}
```

---

## Mark Message as Read API

The API to mark message read

## URI

POST - /api/ehr/v1/messages/{message\_is}/read

## Sample cURL - Request

```
curl -i -X POST \  
  -H "Authorization:Bearer YXBpZGVtbzJAbWVka==" \  
  https://apiehr.charmtracker.com/api/ehr/v1/messages/100000000000000000/read
```

## Sample Response

```
{  
  "code": "0",  
  "message": "Message has been marked as read"  
}
```

---

## Mark Message as Unread API

The API to mark message as unread

## URI

POST - /api/ehr/v1/messages/{message\_is}/unread

## Sample cURL - Request

```
curl -i -X POST \  
  -H "Authorization:Bearer YXBpZGVtbzJAbWVka==" \  
  https://apiehr.charmtracker.com/api/ehr/v1/messages/100000000000000000/unread
```

## Sample Response

```
{  
  "code": "0",  
  "message": "Message has been marked as unread"  
}
```

---

## Draft Messages List API

The API to list draft messages.

## URI

GET - /api/ehr/v1/drafts

## Query Parameters

Key Name	Type	Optional/Required	Description
page	Integer	Optional	-
per_page	Integer	Optional	-
sort_order	String	Optional	Allowed Values - A, D. A - Ascending; D - Descending.
sort_column	String	Optional	Allowed Value - created_time

## Sample cURL - Request

```
curl -i -X GET \
-H "Authorization:Bearer YXBpZGVtbzJAbWVka==" \
https://apiehr.charmtracker.com/api/ehr/v1/drafts
```

## Sample Response

```
{
  "code": "0",
  "message": "success",
  "drafts": [
    {
      "draft_id": "100000000000000000",
      "date": "2020-04-23T06:02:36-0700",
      "subject": "",
      "has_attachments": "false",
      "related_patient_id": "",
      "related_patient_name": "",
      "related_patient_record_id": "",
      "receiver_details": {
        "receiver_id": "100000000000000000",

```

```
        "receiver_name": "Dr. marry Williams"
    },
],
"page_context": {
    "page": "1",
    "per_page": "50",
    "has_more_page": "false",
    "sort_column": "created_time",
    "sort_order": "D"
}
```

---

### **Message Folders List API**

The API to list message folders.



## URI

GET - api/ehr/v1/messages/folders

## Query Parameters

Key Name	Type	Optional/Required	Description
page	Integer	Optional	-
per_page	Integer	Optional	-

## Sample cURL - Request

```
curl -i -X GET \  
-H "Authorization:Bearer YXBpZGVtbzJAbWVka==" \  
https://apiehr.charmtracker.com/api/ehr/v1/messages/folders
```

## Sample Response

```
{  
  "code": "0",  
  "message": "success",  
  "folders": [  
    {  
      "folder_id": "100000000000000000",  
      "folder_name": "Test Folder"  
    }  
  ],  
  "page_context": {  
    "page": "1",  
    "per_page": "50",  
    "has_more_page": "false"  
  }  
}
```

---

## View Draft Message API

The API to view draft message.

## URI

GET - api/ehr/v1/drafts/{message\_id}

## Sample cURL - Request

```
curl -i -X GET \
-H "Authorization:Bearer YXBpZGVtbzJAbWVka==" \
https://apiehr.charmtracker.com/api/ehr/v1/drafts/100000000000000000
```

## Sample Response

```
{
  "code": "0",
  "message": "success",
  "draft_detail": {
    "draft_id": "100000000000000000",
    "date": "2020-04-23T06:02:36-0700",
    "subject": "",
    "related_patient_id": "",
    "related_patient_name": "",
    "related_patient_record_id": "",
    "content": "100000000000000000_Message.txt!@>NN1:-2426221503989215633",
    "receivers": {
      "patients": [],
      "members": [
        {
          "member_name": "marry Williams",
          "member_id": "100000000000000000"
        }
      ]
    },
    "attachments": []
  }
}
```

---

## Delete Draft Message API

The API to delete draft message.

## URI

DELETE - api/ehr/v1/drafts/{message\_id}

## Sample cURL - Request

```
curl -i -X DELETE \
  -H "Authorization:Bearer YXBpZGVtbzJAbWVka==" \
  https://apiehr.charmtracker.com/api/ehr/v1/drafts/100000000000000000
```

## Sample Response

```
{
  "code": "0",
  "message": "Draft deleted successfully."
}
```

---

## Unread Messages count API

The API to view unread messages count.

**URI**

GET - api/ehr/v1/messages/count

**sample cURL - Request**

```
curl -i -X GET \  
  -H "Authorization:Bearer YXBpZGVtbzJAbWVka==" \  
https://apiehr.charmtracker.com/api/ehr/v1/messages/count
```

**Sample Response**

```
{  
  "code": "0",  
  "message": "success",  
  "message_count": [  
    {  
      "section": "from_patients",  
      "count": "2"  
    },  
    {  
      "section": "from_members",  
      "count": "39"  
    }  
  ]  
}
```

---

**Create a draft Message API**

The API to create a draft message.

## URI

POST - /api/ehr/v1/drafts

### Form Data

Key Name	Type	Optional/Required	Description
subject	String	Optional	max length : 255
related_patient_id	Long	Optional	-
facility_id	Long	Required	-
content	String	Optional	-
receivers	JSONObject(ReceiverTemplate)	Optional	-
attachments	JSONArray(AttachmentTemplate)	Optional	-

### ReceiverTemplate

Key Name	Type	Optional/Required	Description
patients	JSONArray(PatientsTemplate)	Optional	-
members	JSONArray(MembersTemplate)	Optional	-

### PatientsTemplate

Key Name	Type	Optional/Required	Description
patient_id	Long	Required	-

### MembersTemplate

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

member_id	Long	Required	-
-----------	------	----------	---

### AttachmentTemplate

Key Name	Type	Optional/Required	Description
attachment_id	Long	Required	-

### Sample cURL - Request

```
curl -i -X POST \
  https://apiehr.charmtracker.com/api/ehr/v1/drafts
-H "Content-Type:application/json" \
-H "Authorization:Bearer YXBpZGVtbzJAbWVka==" \
-d \
'{
  "subject": "Test subject",
  "related_patient_id": "100000000000000000",
  "facility_id": "100000000000000000",
  "content": "",
  "receivers" :{
    "members":[
      {
        "member_id" :100000000000000000
      }
    ],
    "patients" :[
      {
        "patient_id" : 100000000000000000
      }
    ]
  },
  "attachments" :[
    {
      "attachment_id" :100000000000000000
    }
  ]
}
```

```
} \
```

### Sample Response

```
{  
  "code": "0",  
  "message": "Draft saved successfully",  
  "draft": {  
    "draft_id": "10000000000000000000"  
  }  
}
```

---

### Update a draft Message API

The API used to update a draft message.

**URI**

PUT - /api/ehr/v1/drafts/{draft\_id}

**Form Data**

Key Name	Type	Optional/Required	Description
subject	String	Optional	max length : 255
related_patient_id	Long	Optional	-
facility_id	Long	Required	-
content	String	Optional	-
receivers	JSONObject(ReceiverTemplate)	Optional	-
attachments	JSONArray(AttachmentTemplate)	Optional	-

**ReceiverTemplate**

Key Name	Type	Optional/Required	Description
patients	JSONArray(PatientsTemplate)	Optional	-
members	JSONArray(MembersTemplate)	Optional	-

**PatientsTemplate**

Key Name	Type	Optional/Required	Description
patient_id	Long	Required	-

**MembersTemplate**

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



member_id	Long	Required	-
-----------	------	----------	---

### AttachmentTemplate

Key Name	Type	Optional/Required	Description
attachment_id	Long	Required	-

### Sample cURL - Request

```
curl -i -X PUT \
  https://apiehr.charmtracker.com/api/ehr/v1/drafts/10000000000000000000
-H "Content-Type:application/json" \
-H "Authorization:Bearer YXBpZGVtbzJAbWVka==" \
-d \
{
  "subject": "Test subject",
  "related_patient_id": "10000000000000000000",
  "facility_id": "10000000000000000000",
  "content": "",
  "receivers" :{
    "members":[
      {
        "member_id":10000000000000000000
      }
    ],
    "patients" :[
      {
        "patient_id" : 10000000000000000000
      }
    ]
  },
  "attachments" :[
    {
      "attachment_id":10000000000000000000
    }
  ]
}
```

```
} \
```

### Sample Response

```
{  
  "code": "0",  
  "message": "Draft saved successfully",  
  "draft": {  
    "draft_id": "10000000000000000000"  
  }  
}
```

---

### Add multiple attachments Message API

The API to add multiple message attachment

## URI

POST - /api/ehr/v1/messages/attachments

## Query Parameters

Key Name	Type	Optional/Required	Description
file_ids	String	Required	IDs separated by commas

## Sample cURL - Request

```
curl -i -X POST \
  -H "Authorization:Bearer YXBpZGVtbzJAbWVka==" \
  https://apiehr.charmtracker.com/api/ehr/v1/messages/attachments?file_ids=10000000
0000000000,10000000000000000001
```

## Sample Response

```
{
  "code": "0",
  "message": "Attachments(s) added successfully",
  "attachments": [
    {
      "attachment_id": "100000000000000000",
      "attachment_name": "Test.pdf"
    }
  ]
}
```