

Questionnaire API

List Questionnaires API.

The API to list questionnaires.

URI

GET - /api/ehr/v1/questionnaires

sample cURL - Request

```
curl -i -X GET \
'https://apiehr.charmtracker.com/api/ehr/v1/questionnaires'
```

Sample Response

```
{
  "code": "0",
  "message": "success",
  "questionnaires": [
    {
      "template_id": "1000030000000014001",
      "questionnaire_name": "Test Questionnaire",
      "questionnaire_type": "General Questionnaire",
      "member_id": "1000030000000000101",
      "is_practice_questionnaire": "true",
      "created_time": 1554713868281
    }
  ],
  "page_context": {
    "page": "1",
    "per_page": "50",
    "has_more_page": "false",
    "sort_column": "created_time",
    "sort_order": "D"
  }
}
```

List Questions in a Questionnaire API

The API to list questions in a questionnaire

URI

GET - /api/ehr/v1/questionnaire/{questionnaire_id}

Sample cURL - Request

```
curl -i -X GET \
```

```
'https://apiehr.charmtracker.com/api/ehr/v1/questionnaire/100003000000014001'
```

Sample Response

```
{
  "code": "0",
  "message": "success",
  "data": [
    {
      "notes": "test question 1",
      "is_multi_choice": false,
      "is_deleted": false,
      "template_id": 100003000000014000,
      "is_mandatory": false,
      "position": 0,
      "entry_id": 100003000000014000,
      "notes_type": "Question"
    },
    {
      "notes": "test question 2",
      "is_multi_choice": false,
      "is_deleted": false,
      "template_id": 100003000000014000,
      "is_mandatory": true,
      "position": 1,
      "entry_id": 100003000000014000,
      "notes_type": "Question"
    },
    {
      "notes": "test question 3",
```

```

    "is_multi_choice": false,
    "is_deleted": false,
    "template_id": 1000030000000014000,
    "is_mandatory": false,
    "position": 2,
    "entry_id": 1000030000000014000,
    "notes_type": "Simple Question"
  },
  {
    "notes": "test question 4",
    "is_multi_choice": false,
    "is_deleted": false,
    "template_id": 1000030000000014000,
    "is_mandatory": true,
    "position": 3,
    "entry_id": 1000030000000014020,
    "notes_type": "Simple Question"
  }
]
}

```

Save Answers to Questionnaire API

The API to save answers to a questionnaire.

URI

POST - api/ehr/v1/questionnaire/answers

Form Data

Key Name	Type	Optional/Required	Description
template_id	Long	Required	Questionnaire Identifier
patient_id	Long	Required	Patient Identifier
provider_id	Long	Optional	Provider Identifier
facility_id	Long	Required	Facility Identifier

member_id	Long	Optional	Identifying member
is_submitted	Boolean	Optional	If it is true, then all mandatory questions must be answered. Default value: false
ques_map_id	Long	Optional	Identifier of the questionnaire shared to patient.
appointment_id	Long	Optional	Pass appointment_id value to map to an appointment (or) Pass encounter_id value to map to an encounter. Note: Both appointment_id and encounter_id values will be same.
answers	JSONArray	Required	Answers to Questions.(Refer Table1 below)

Table 1

Key Name	Type	Optional/Required	Description
entry_id	Long	Required	Identifier for Question
answer	String	Required for Simple question	Answer to question maximum size allowed is 10000 characters.
multiple_answers	JSONArray	Required for Question with options	selected answers to question. (Refer Table2 below)

allergy_entries	JSONArray	Required for Allergy widgets	Allergy entries. (Refer Table3 below)
medication_entries	JSONArray	Required for Medication widgets	Medication entries. (Refer Table4 below)
supplement_entries	JSONArray	Required for Supplement widgets	Supplement entries. (Refer Table5 below)

Table 2

Key Name	Type	Optional/Required	Description
answer	String	Required	maximum size allowed is 1000 characters

Table 3

Key Name	Type	Optional/Required	Description
allergen	String	Required	
type	String	Required	Allowed Values : Drug, Food, Environmental
severity	String	Optional	Allowed Values : Severe, Moderate, Mild
reactions	String	Optional	

Table 4

Key Name	Type	Optional/Required	Description
medication	String	Required	
intake_details	String	Optional	

Table 5

Key Name	Type	Optional/Required	Description
supplement	String	Required	
intake_details	String	Optional	

Sample cURL - Request

```
curl -i -X POST \
  -H "Content-Type:application/json" \
  -H "Authorization:Bearer
YXBpZGVtbzJAbWVkaWNhbG1pbmUuY29tOkFQSURlbW8yJA==" \
  -d \
  '{
    "template_id": "1000030000000014001",
    "patient_id": "1000030000000010009",
    "provider_id": "1000030000000006685",
    "facility_id": "1000030000000009151",
    "member_id": "1000030000000006685",
    "is_submitted": "true",
    "answers": [
      {
        "entry_id": "152971000004282021",
        "answer": "test answer 1"
      },
      {
        "entry_id": "152971000004282023",
        "allergy_entries": [
          {
            "allergen": "pencillin",
            "type": "Drug",
            "severity": "Severe",
            "reactions": "Rashes"
          },
          {
            "allergen": "Peanut",
            "type": "Food",
            "severity": "Severe",
```

```

    "reactions": "Rashes"
  },
  {
    "allergen": "Pollen",
    "type": "Environmental",
    "severity": "Severe",
    "reactions": "Wheezing"
  }
]
},
{
  "entry_id": "152971000004282025",
  "medication_entries": [
    {
      "medication": "Warfaring 2 mg",
      "intake_details": "twice daily"
    },
    {
      "medication": "Genteal drops",
      "intake_details": "2.5 ml every night"
    }
  ]
},
{
  "entry_id": "152971000004282125",
  "supplement_entries": [
    {
      "supplement": "MyProtein",
      "intake_details": "twice daily"
    },
    {
      "supplement": "ProFoods",
      "intake_details": "thrice daily"
    }
  ]
},
{

```

```

    "entry_id": "152971000004282029",
    "multiple_answers": [
      {
        "answer": "11"
      },
      {
        "answer": "22"
      }
    ]
  }
]
}'\
'https://apiehr.charmtracker.com/api/ehr/v1/questionnaire/answers'

```

Sample Response

```

{
  "code": "0",
  "message": "Questionnaire saved successfully."
  "questionnaire_details": {
    "ques_map_id": "100001000000014219"
  }
}

```

Save Signature to a Questionnaire API

API to save signature to a Signature field in a questionnaire

URI

POST - api/ehr/v1/questionnaire/signature/{ques_map_id}/{entry_id}

Form Data

Key Name	Type	Optional/Required	Description
file	File	Required	<p>image with .png extension</p> <p>Image size should not exceed 2MB.</p> <p>Suggested Image Dimension : 675 x 300 px</p>

Sample cURL - Request

```
curl -X POST \

https://apiehr.charmtracker.com/api/ehr/v1/questionnaire/signature/1000010000000
14219/100001000000014209 \

-H 'Authorization: Bearer Y2hhcm1hZG1pbjpbDaGFybWRvY0AxMjM=' \

-H 'content-type: multipart/form-data; boundary=----
WebKitFormBoundary7MA4YWxkTrZu0gW' \

-F file=@/home/local/testsignature.png
```

Sample Response

```
{

  "code": "0",

  "message": "Questionnaire Signature saved successfully."

}
```

Get Signature of a question in Questionnaire API

API to fetch signature in a questionnaire

URI

GET - api/ehr/v1/questionnaire/signature/{ques_map_id}/{entry_id}

Sample cURL - Request

```
curl -X GET \

https://apiehr.charmtracker.com/api/ehr/v1/questionnaire/signature/1000010000000
14219/100001000000014209 \
-H 'Authorization: Bearer Y2hhcm1hZG1pbjpbDaGFybWRvY0AxMjM='
```

Sample Response

Signature image will be written to the output

Fetch patient Questionnaires API

API to fetch the questionnaires of a patient.

URI

GET - api/ehr/v1/patients/{patient_id}/questionnaires

Form Data

Key Name	Type	Optional/Required	Description
appointment_id	Long	Optional	Filters the patient questionnaires with

			the given appointment id
questionnaire_name_startswith	String	Optional	Filters the questionnaires whose name starts with given string
questionnaire_name_contains	String	Optional	Filters the questionnaires whose name contains given string

Sample cURL - Request

```
curl -X GET \
'https://apiehr.charmtracker.com:8080/api/ehr/v1/patients/100001000000005025/questionnaires?questionnaire_name_startswith=a' \
-H 'Authorization: xx' \
-H 'Cache-Control: no-cache' \
-H 'Postman-Token: 70f92712-a806-46db-a3e3-70aaf2181f3f'
```

Sample Response

```
{
  "code": "0",
  "message": "success",
  "patient_questionnaires": [
    {
      "ques_map_id": "100001000000008083",
      "questionnaire_id": "100001000000008073",
      "appointment_id": "100001000000008103",
      "is_saved": "true",
      "is_submitted": "true",
      "questionnaire_name": "Allergy Questionnaire",
      "last_modified_time": "1585378312969"
    }
  ]
}
```

```
],
  "page_context": {
    "page": "1",
    "per_page": "50",
    "has_more_page": "false",
    "search_criteria": [
      {
        "column_name": "questionnaire_name",
        "search_text": "a",
        "comparator": "startswith"
      }
    ]
  }
}
```

Fetch answers for a Questionnaire API

API to fetch the answers for a questionnaire using patient_ques_map_id

URI

GET - api/ehr/v1/questionnaire/answer/{ques_map_id}

Sample cURL - Request

```
curl -X GET \
```

```
https://apiehr.charmtracker.com/api/ehr/v1/questionnaire/answer/1884000015006137 \
```

```
-H 'Authorization: Bearer xxxxxxxx' \
```

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

```
-H 'Postman-Token: 6d138ce3-9397-45c4-bcd4-3fad65281596' \
```

```
-H 'api_key: xxxxxx'
```

Sample Response

```
{
  "code": "0",
  "message": "success",
  "questionnaire_with_answers": {
    "is_submitted": true,
    "patient_id": "1884000000028001",
    "questions": [{
      "is_multi_choice": false,
      "notes": "Number of cups/cans per day",
      "is_deleted": false,
      "answer": "Coffee",
      "options": [
        "None",
        "Coffee",
        "Tea",
        "Cola"
      ],
      "is_mandatory": true,
      "position": 1,
      "entry_id": "1884000000122397",
      "notes_type": "Question with Options"
    }],
    {
      "multiple_answers": [{
        "answer": "Increase in Headache"
      }],
    }
  }
}
```

```

        {
            "answer": "T"
        }
    ],
    "is_multi_choice": true,
    "notes": "Check the symptoms after having coffee",
    "is_deleted": false,
    "options": [
        "Increase in Headache",
        "Decrease in Headache",
        "Feeling relaxed",
        "Feeling uneasy"
    ],
    "is_mandatory": false,
    "position": 4,
    "entry_id": "1884000000885217",
    "notes_type": "Question with Options"
},
{
    "from_scale": 1,
    "is_multi_choice": false,
    "notes": "rate the taste of coffee at ccd",
    "is_deleted": false,
    "answer": "2",
    "is_mandatory": false,
    "position": 7,
    "entry_id": "1884000015485079",
    "to_scale": 15,
    "notes_type": "Rating Scale"
}
],
"template_id": "1884000000065035",
"ques_map_id": "1884000015006137",
"last_modified_time": "1585378312969"
}
}

```

