

Vitals API

List Vitals Metrics API

This API is to list of vitals available for the practice

URI

GET - /api/ehr/v1/vitals/metrics

Sample cURL - Request

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

```
'https://ehr.charmtracker.com/api/ehr/v1/vitals/metrics?'
```

Sample Response

```
{
  "code": "0",
  "message": "success",
  "vitals": [
    {
      "vital_id": "0",
      "vital_name": "Weight",
      "vital_unit": "lbs",
      "vital_type": "Number",
      "vital_value_options": ""
    },
    {
      "vital_id": "1",
      "vital_name": "Weight",
      "vital_unit": "ozs",
      "vital_type": "Number",
      "vital_value_options": ""
    },
    {
      "vital_id": "2",
      "vital_name": "Height",
      "vital_unit": "ft",
      "vital_type": "Number",
      "vital_value_options": ""
    }
  ]
}
```

```
},
{
  "vital_id": "3",
  "vital_name": "Height",
  "vital_unit": "ins",
  "vital_type": "Number",
  "vital_value_options": ""
},
{
  "vital_id": "4",
  "vital_name": "BMI",
  "vital_unit": "",
  "vital_type": "Number",
  "vital_value_options": ""
},
{
  "vital_id": "5",
  "vital_name": "Temp",
  "vital_unit": "F",
  "vital_type": "Number",
  "vital_value_options": ""
},
{
  "vital_id": "6",
  "vital_name": "Systolic BP",
  "vital_unit": "mmHg",
  "vital_type": "Number",
  "vital_value_options": ""
},
{
  "vital_id": "7",
  "vital_name": "Diastolic BP",
  "vital_unit": "mmHg",
  "vital_type": "Number",
  "vital_value_options": ""
},
{
```

```
"vital_id": "8",
"vital_name": "Pulse Rate",
"vital_unit": "bpm",
"vital_type": "Number",
"vital_value_options": ""
},
{
  "vital_id": "9",
  "vital_name": "Pulse Pattern",
  "vital_unit": "",
  "vital_type": "Text With Options",
  "vital_value_options": "Regular\nRegularly Irregular\nIrregularly Irregular"
},
{
  "vital_id": "10",
  "vital_name": "Pulse Volume",
  "vital_unit": "",
  "vital_type": "Text With Options",
  "vital_value_options": "Normal\nLarge\nSmall"
},
{
  "vital_id": "100001000002898067",
  "vital_name": "BMI",
  "vital_unit": "",
  "vital_type": "Plain Text",
  "vital_value_options": ""
},
{
  "vital_id": "100001000002898069",
  "vital_name": "BMI %",
  "vital_unit": "",
  "vital_type": "Plain Text",
  "vital_value_options": ""
},
{
  "vital_id": "100001000002898071",
  "vital_name": "BP",
```

```
"vital_unit": "",
"vital_type": "Plain Text",
"vital_value_options": ""
},
{
  "vital_id": "100001000002898073",
  "vital_name": "HC",
  "vital_unit": "",
  "vital_type": "Plain Text",
  "vital_value_options": ""
},
{
  "vital_id": "100001000002898075",
  "vital_name": "HC %",
  "vital_unit": "",
  "vital_type": "Plain Text",
  "vital_value_options": ""
},
{
  "vital_id": "100001000002898077",
  "vital_name": "Hearing (Both)",
  "vital_unit": "",
  "vital_type": "Plain Text",
  "vital_value_options": ""
},
{
  "vital_id": "100001000002898079",
  "vital_name": "HR",
  "vital_unit": "",
  "vital_type": "Plain Text",
  "vital_value_options": ""
},
{
  "vital_id": "100001000002898081",
  "vital_name": "Ht",
  "vital_unit": "",
  "vital_type": "Plain Text",
```

```
"vital_value_options": ""
},
{
  "vital_id": "100001000002898083",
  "vital_name": "Ht %",
  "vital_unit": "",
  "vital_type": "Plain Text",
  "vital_value_options": ""
},
{
  "vital_id": "100001000002898085",
  "vital_name": "Ht-cm",
  "vital_unit": "",
  "vital_type": "Plain Text",
  "vital_value_options": ""
},
{
  "vital_id": "100001000002898087",
  "vital_name": "Oxygen sat %",
  "vital_unit": "",
  "vital_type": "Plain Text",
  "vital_value_options": ""
},
{
  "vital_id": "100001000002898089",
  "vital_name": "Pain scale",
  "vital_unit": "",
  "vital_type": "Plain Text",
  "vital_value_options": ""
},
{
  "vital_id": "100001000002898091",
  "vital_name": "Peak Flow",
  "vital_unit": "",
  "vital_type": "Plain Text",
  "vital_value_options": ""
},
}
```

```
{
  "vital_id": "100001000002898093",
  "vital_name": "RR",
  "vital_unit": "",
  "vital_type": "Plain Text",
  "vital_value_options": ""
},
{
  "vital_id": "100001000002898095",
  "vital_name": "Temp",
  "vital_unit": "",
  "vital_type": "Plain Text",
  "vital_value_options": ""
},
{
  "vital_id": "100001000002898097",
  "vital_name": "Vision",
  "vital_unit": "",
  "vital_type": "Plain Text",
  "vital_value_options": ""
},
{
  "vital_id": "100001000002898099",
  "vital_name": "Wound Measurements",
  "vital_unit": "",
  "vital_type": "Plain Text",
  "vital_value_options": ""
},
{
  "vital_id": "100001000002898101",
  "vital_name": "Wt",
  "vital_unit": "",
  "vital_type": "Plain Text",
  "vital_value_options": ""
},
{
  "vital_id": "100001000002898103",
```

```

    "vital_name": "Wt %",
    "vital_unit": "",
    "vital_type": "Plain Text",
    "vital_value_options": ""
  },
  {
    "vital_id": "100001000002898105",
    "vital_name": "Wt-kg",
    "vital_unit": "",
    "vital_type": "Plain Text",
    "vital_value_options": ""
  }
]
}

```

Add Patient Vials API

This api is to add vitals for a patient

URI

POST - api/ehr/v1/patients/{patient_id}/vitals

Form Data

Key Name	Type	Optional/Required	Description
encounter_id	Long	Required - if associated to encounter, else Optional	If encounter association is required for then provide encounter ID
entry_date	date_In_YYYY_MM_DD	Required - if encounter_id not provided, else Optional	eg. 2021-02-15
vital_name	String	Required	Name of the Vital
vital_value	String	Optional	Value of Vital
vital_unit	String	Optional	Unit of Vital

Sample cURL - Request

```
curl -i -X POST \
-H "Content-Type:application/json" \
-H "Authorization:Basic
YXBpZGVtbzJAbWVkaWNhbG1pbmUuY29tOkFQSURlbW8yJA==" \
-d \
'[
{
  "encounter_id": "491141000002882001",
  "vitals": [
    {
      "vital_name": "Weight",
      "vital_unit": "kgs",
      "vital_value": "80"
    },
    {
      "vital_name": "Height",
      "vital_unit": "cms",
      "vital_value": "173"
    },
    {
      "vital_name": "BMI",
      "vital_unit": "",
      "vital_value": "26.73"
    },
    {
      "vital_name": "Temp",
      "vital_unit": "F",
      "vital_value": "98"
    },
    {
      "vital_name": "Systolic BP",
      "vital_unit": "mmHg",
      "vital_value": "120"
    },
    {
```



```
"vital_name": "Diastolic BP",
"vital_unit": "mmHg",
"vital_value": "80"
},
{
"vital_name": "Pulse Rate",
"vital_unit": "bpm",
"vital_value": "80"
},
{
"vital_name": "Pulse Pattern",
"vital_unit": "",
"vital_value": "Regular"
},
{
"vital_name": "Pulse Volume",
"vital_unit": "",
"vital_value": "Normal"
},
{
"vital_name": "Vision",
"vital_unit": "",
"vital_value": "80"
}
]
}
]' \
'https://apiehr.charmtracker.com/api/ehr/v1/patients/100001000000006003/vitals'
```

Sample Response

```
{
"code": "0",
"message": "Vital(s) added successfully",
"vital_entries": [
{
"vital_entry_id": "1000010000002966411",
```

```
"encounter_id": "100001000002898047",
"entry_date": "2021-04-09 00:00:00",
"vitals": [
  {
    "vital_name": "Weight",
    "vital_value": "80.0",
    "vital_unit": "lbs"
  },
  {
    "vital_name": "Weight",
    "vital_value": "",
    "vital_unit": "ozs"
  },
  {
    "vital_name": "Height",
    "vital_value": "",
    "vital_unit": "ft"
  },
  {
    "vital_name": "Height",
    "vital_value": "",
    "vital_unit": "ins"
  },
  {
    "vital_name": "BMI",
    "vital_value": "26.73",
    "vital_unit": ""
  },
  {
    "vital_name": "Temp",
    "vital_value": "98.0",
    "vital_unit": "F"
  },
  {
    "vital_name": "Systolic BP",
    "vital_value": "120.0",
    "vital_unit": "mmHg"
```

```
},
{
  "vital_name": "Diastolic BP",
  "vital_value": "80.0",
  "vital_unit": "mmHg"
},
{
  "vital_name": "Pulse Rate",
  "vital_value": "80.0",
  "vital_unit": "bpm"
},
{
  "vital_name": "Pulse Pattern",
  "vital_value": "Regular",
  "vital_unit": ""
},
{
  "vital_name": "Pulse Volume",
  "vital_value": "Normal",
  "vital_unit": ""
},
{
  "vital_name": "BMI",
  "vital_value": "",
  "vital_unit": ""
},
{
  "vital_name": "BMI %",
  "vital_value": "",
  "vital_unit": ""
},
{
  "vital_name": "BP",
  "vital_value": "",
  "vital_unit": ""
},
{
```

```
"vital_name": "HC",
"vital_value": "",
"vital_unit": ""
},
{
  "vital_name": "HC %",
  "vital_value": "",
  "vital_unit": ""
},
{
  "vital_name": "Hearing (Both)",
  "vital_value": "",
  "vital_unit": ""
},
{
  "vital_name": "HR",
  "vital_value": "",
  "vital_unit": ""
},
{
  "vital_name": "Ht",
  "vital_value": "",
  "vital_unit": ""
},
{
  "vital_name": "Ht %",
  "vital_value": "",
  "vital_unit": ""
},
{
  "vital_name": "Ht-cm",
  "vital_value": "",
  "vital_unit": ""
},
{
  "vital_name": "Oxygen sat %",
  "vital_value": "",
```

```
"vital_unit": ""
},
{
  "vital_name": "Pain scale",
  "vital_value": "",
  "vital_unit": ""
},
{
  "vital_name": "Peak Flow",
  "vital_value": "",
  "vital_unit": ""
},
{
  "vital_name": "RR",
  "vital_value": "",
  "vital_unit": ""
},
{
  "vital_name": "Temp",
  "vital_value": "",
  "vital_unit": ""
},
{
  "vital_name": "Vision",
  "vital_value": "80",
  "vital_unit": ""
},
{
  "vital_name": "Wound Measurements",
  "vital_value": "",
  "vital_unit": ""
},
{
  "vital_name": "Wt",
  "vital_value": "",
  "vital_unit": ""
},
},
```

```
{
  {
    "vital_name": "Wt %",
    "vital_value": "",
    "vital_unit": ""
  },
  {
    "vital_name": "Wt-kg",
    "vital_value": "",
    "vital_unit": ""
  }
}
]
```

List Patient Vitals API

This API is to list all vitals associated with a patient

URI

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

Sample cURL - Request

```
curl -i -X GET \
'https://ehr.charmtracker.com/api/ehr/v1/patients/{patient_id}/vitals?'
```

Filters:

Key Name	Type	Optional/ Required	Description
encounter_id	Long	Optional	Encounter id
vital_entry_id	Long	Optional	Entry Id of specific vital

Sample Response

```
{
  "code": "0",
  "message": "success",
  "vital_entries": [
    {
      "vital_entry_id": "1884000022588035",
      "encounter_id": "1884000022588027",
      "entry_date": "2022-12-02 02:05:00",
      "vitals": [
        {
          "vital_name": "Weight",
          "vital_value": "111.0",
          "vital_unit": "lbs"
        },
        {
          "vital_name": "Weight",
          "vital_value": "12.0",
          "vital_unit": "ozs"
        },
        {
          "vital_name": "Height",
          "vital_value": "5.0",
          "vital_unit": "ft"
        },
        {
          "vital_name": "Height",
          "vital_value": "8.0",
          "vital_unit": "ins"
        },
        {
          "vital_name": "BMI",
          "vital_value": "16.99",
          "vital_unit": ""
        },
        {
          "vital_name": "Temp",
          "vital_value": "98.0",
```

```
"vital_unit": "C"
},
{
  "vital_name": "Head Circ",
  "vital_value": "90.0",
  "vital_unit": "cms"
},
{
  "vital_name": "SPO2",
  "vital_value": "99.0",
  "vital_unit": "%"
},
{
  "vital_name": "Systolic BP",
  "vital_value": "120.0",
  "vital_unit": "mmHg"
},
{
  "vital_name": "Diastolic BP",
  "vital_value": "90.0",
  "vital_unit": "mmHg"
},
{
  "vital_name": "Pulse Rate",
  "vital_value": "99.0",
  "vital_unit": "bpm"
},
{
  "vital_name": "Pulse Pattern",
  "vital_value": "Regular",
  "vital_unit": ""
},
{
  "vital_name": "Pulse Volume",
  "vital_value": "Normal",
  "vital_unit": ""
}
```



```
    1
  }
1
}
```