

EMTrack™ Technical Guide

EMTrack – ePCR API

Overview

Juvare offers application programming interfaces (APIs) to help clients and business partners optimize the interoperability of our solutions. The EMTrack – ePCR API enables you to use REST and/or SOAP calls to retrieve a subset of NEMSIS v3 compliant patient data elements. The API uses the **FindPatient** operation to retrieve this data from EMTrack.

NEMSIS v3 Patient Data Elements

NEMSIS v3 Element Name	NEMSIS v3 Element Number
Destination/Transferred To, Name	eDisposition.01
Destination/Transferred To, Code	eDisposition.02
Last Name	ePatient.02
First Name	ePatient.03
Home Address	ePatient.05
State	ePatient.08
ZIP Code	ePatient.09
Gender	ePatient.13
Date of Birth	ePatient.17
Triage Classification for MCI Patient	eScene.08
Provider’s Primary Impression	eSituation.11
Estimated Body Weight (in KG)	eExam.01
Date/Time Vital Signs Taken	eVitals.01
SBP (Systolic Blood Pressure)	eVitals.06
DBP (Diastolic Blood Pressure)	eVitals.07
Heart Rate	eVitals.10
Respiratory Rate	eVitals.14

Authentication

To successfully retrieve information from EMTrack, your web service username and password must be included in the body of the API request for authentication. The position and format for your credentials is visible in the examples below. Your web service username and password are provided by Juvare.

Request Parameters

Parameter	Description
trackingNumber	Patient tracking or identification number. This number must be an exact match; but, it is not case sensitive.
emsAgencyId	Identification number or code for the mobile provider that entered the patient data. This number is specified in EMTrack.

REST Interface

Endpoint URL: <https://emtrack.lab.juvare.com/epcr/v1/epcrService/findPatient>

Example: REST Request using cURL

```
curl -X GET \  
  https://emtrack.lab.juvare.com/epcr/v1/epcrService/findPatient \  
  -H 'Content-Type: text/xml' \  
  -d '<?xml version="1.0" encoding="UTF-8" standalone="yes"?>  
<ns:FindPatientRequest xmlns:ns="http://emtrack.juvare.com/ws/epcr/v1/definitions">  
  <!-- Credentials provided by Juvare -->  
  <username>epcr</username>  
  <password>Password!</password>  
  <!-- Patient tracking number (case insensitive) -->  
  <trackingNumber>patient1</trackingNumber>  
  <emsAgencyId>agency1</emsAgencyId>  
</ns:FindPatientRequest>'
```

Example: REST Response

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>  
<ns3:FindPatientResponse xmlns:ns2="http://www.nemsis.org"  
  xmlns:ns3="http://emtrack.juvare.com/ws/epcr/v1/definitions">  
  <success>>true</success>  
  <patientData>  
    <ns2:EMSDataSet>  
      <ns2:Header>  
        <ns2:PatientCareReport>  
          <ns2:ePatient>  
            <ns2:ePatient.PatientNameGroup>
```

```
<ns2:ePatient.02>Smith</ns2:ePatient.02>
  <ns2:ePatient.03>John</ns2:ePatient.03>
</ns2:ePatient.PatientNameGroup>
<ns2:ePatient.05 StreetAddress2="address2">address</ns2:ePatient.05>
<ns2:ePatient.06>12</ns2:ePatient.06>
<ns2:ePatient.08>25</ns2:ePatient.08>
<ns2:ePatient.09>12345</ns2:ePatient.09>
  <ns2:ePatient.13>9906001</ns2:ePatient.13>
  <ns2:ePatient.17>2019-01-25</ns2:ePatient.17>
</ns2:ePatient>
<ns2:eScene>
  <ns2:eScene.08>2708001</ns2:eScene.08>
</ns2:eScene>
<ns2:eSituation>
  <ns2:eSituation.11>R00.0</ns2:eSituation.11>
</ns2:eSituation>
<ns2:eVitals>
  <ns2:eVitals.VitalGroup>
    <ns2:eVitals.01>2019-01-25T01:09:43.815-06:00</ns2:eVitals.01>
    <ns2:eVitals.BloodPressureGroup>
      <ns2:eVitals.06>120</ns2:eVitals.06>
      <ns2:eVitals.07>80</ns2:eVitals.07>
    </ns2:eVitals.BloodPressureGroup>
    <ns2:eVitals.HeartRateGroup>
      <ns2:eVitals.10>80</ns2:eVitals.10>
    </ns2:eVitals.HeartRateGroup>
    <ns2:eVitals.14>92</ns2:eVitals.14>
  </ns2:eVitals.VitalGroup>
</ns2:eVitals>
<ns2:eExam>
  <ns2:eExam.01>85</ns2:eExam.01>
</ns2:eExam>
<ns2:eDisposition>
  <ns2:eDisposition.DestinationGroup>
    <ns2:eDisposition.01>dispositionName</ns2:eDisposition.01>
    <ns2:eDisposition.02>dispositionCode</ns2:eDisposition.02>
  </ns2:eDisposition.DestinationGroup>
</ns2:eDisposition>
</ns2:PatientCareReport>
</ns2:Header>
</ns2:EMSDataSet>
</patientData>
</ns3:FindPatientResponse>
```

SOAP Interface

WSDL Location: <https://emtrack.lab.juvar.com/epcr/v1/epcrService?wsdl>

Example: SOAP Request using cURL

```
curl -X POST \  
  https://emtrack.lab.juvar.com/epcr/v1/epcrService \  
  -H 'Content-Type: text/xml' \  
  -d '<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"  
    xmlns:def="http://emtrack.juvar.com/ws/epcr/v1/definitions">  
    <soapenv:Header/>  
    <soapenv:Body>  
      <def:FindPatientRequest>  
        <username>epcr</username>  
        <password>abc1234</password>  
        <trackingNumber>patient1</trackingNumber>  
        <emsAgencyId>agency1</emsAgencyId>  
      </def:FindPatientRequest>  
    </soapenv:Body>  
</soapenv:Envelope>'
```

Example: SOAP Response

```
<?xml version='1.0' encoding='UTF-8'?>  
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">  
  <S:Body>  
    <ns2:FindPatientResponse  
      xmlns:ns2="http://emtrack.juvar.com/ws/epcr/v1/definitions"  
      xmlns:ns3="http://www.nemesis.org">  
      <success>true</success>  
      <patientData>  
        <ns3:EMSDataSet>  
          <ns3:Header>  
            <ns3:PatientCareReport>  
              <ns3:ePatient>  
                <ns3:ePatient.PatientNameGroup>  
                  <ns3:ePatient.02>Smith</ns3:ePatient.02>  
                  <ns3:ePatient.03>John</ns3:ePatient.03>  
                </ns3:ePatient.PatientNameGroup>  
                <ns3:ePatient.05 StreetAddress2="address2">address</ns3:  
ePatient.05>  
                <ns3:ePatient.06>12</ns3:ePatient.06>  
                <ns3:ePatient.08>25</ns3:ePatient.08>  
                <ns3:ePatient.09>12345</ns3:ePatient.09>  
                <ns3:ePatient.13>9906001</ns3:ePatient.13>  
                <ns3:ePatient.17>2019-01-25</ns3:ePatient.17>
```

```

</ns3:ePatient>
<ns3:eScene>
  <ns3:eScene.08>2708001</ns3:eScene.08>
</ns3:eScene>
<ns3:eSituation>
  <ns3:eSituation.11>R00.0</ns3:eSituation.11>
</ns3:eSituation>
<ns3:eVitals>
  <ns3:eVitals.VitalGroup>
    <ns3:eVitals.01>2019-01-25T01:13:52.573-06:00</ns3:
eVitals.01>
    <ns3:eVitals.BloodPressureGroup>
      <ns3:eVitals.06>120</ns3:eVitals.06>
      <ns3:eVitals.07>80</ns3:eVitals.07>
    </ns3:eVitals.BloodPressureGroup>
    <ns3:eVitals.HeartRateGroup>
      <ns3:eVitals.10>80</ns3:eVitals.10>
    </ns3:eVitals.HeartRateGroup>
    <ns3:eVitals.14>92</ns3:eVitals.14>
  </ns3:eVitals.VitalGroup>
</ns3:eVitals>
<ns3:eExam>
  <ns3:eExam.01>85</ns3:eExam.01>
</ns3:eExam>
<ns3:eDisposition>
  <ns3:eDisposition.DestinationGroup>
    <ns3:eDisposition.01>dispositionName</ns3:
eDisposition.01>
    <ns3:eDisposition.02>dispositionCode</ns3:
eDisposition.02>
  </ns3:eDisposition.DestinationGroup>
</ns3:eDisposition>
</ns3:PatientCareReport>
</ns3:Header>
</ns3:EMSDataSet>
</patientData>
</ns2:FindPatientResponse>
</S:Body>
</S:Envelope>

```

Juvaré envisions a future where communities are resilient in the face of danger. Offering precise, vigilant, and connected solutions, Juvaré fosters networks of mutual assistance to help organizations bounce forward. For more information about Juvaré solutions, contact the Juvaré Support Center, support@juvare.com or 877-771-0911.