# HealthSync API Documentation

## Overview

RESTful API for HealthSync healthcare management system. Base URL: https://api.healthsync.com/v1

## Authentication

All endpoints require Bearer token authentication:



## Endpoints

### EHR Management

**Get Patient Record**



**Parameters**

* patientId (path, required): Unique identifier of the patient

**Response** (200 OK)

json

{

"id": "string",

"demographics": {

"firstName": "string",

"lastName": "string",

"dob": "date",

"gender": "string"

},

"medicalHistory": [...],

"medications": [...],

"allergies": [...]

}

## Appointment Scheduling

**Create Appointment**

http



**Request Body**

json

Copy

{

"patientId": "string",

"providerId": "string",

"datetime": "string",

"type": "string",

"notes": "string"

}

**Response** (201 Created)

json

Copy

{

"id": "string",

"status": "confirmed",

"details": {...}

}

## Billing

**Submit Claim**

http



**Request Body**

json

Copy

{

"patientId": "string",

"visitId": "string",

"procedures": [{

"code": "string",

"description": "string",

"amount": "number"

}]

}

## Telemedicine

**Initialize Session**

http



POST /telemedicine/sessions

**Request Body**

json

{

"appointmentId": "string",

"patientId": "string",

"providerId": "string"

}

**Response** (201 Created)

json

{

"sessionId": "string",

"joinUrl": "string",

"token": "string"

}

## Error Responses

**Standard Error Format**

json

{

"error": {

"code": "string",

"message": "string",

"details": {}

}

}

**Common Error Codes**

* 400: Bad Request
* 401: Unauthorized
* 403: Forbidden
* 404: Not Found
* 429: Too Many Requests
* 500: Internal Server Error

**Rate Limiting**

* 1000 requests per minute per API key
* Rate limit headers included in responses:
  + X-RateLimit-Limit
  + X-RateLimit-Remaining
  + X-RateLimit-Reset

**Data Security**

* All data encrypted in transit (TLS 1.3)
* HIPAA-compliant data handling
* Audit logging for all PHI access