

Medical Records API Documentation

Base URL: /api/medical-records

Endpoints

Create Medical Record

POST /

Creates a new medical record.

Request Body:

```
{
  "patientId": "long",
  "doctorId": "long",
  "dateOfVisit": "datetime",
  "location": "string",
  "diagnosis": "string",
  "treatmentPlan": "string",
  "notes": "string"
}
```

Response: 200 OK

```
{
  "id": "long",
  "patientId": "long",
  "doctorId": "long",
  "dateOfVisit": "datetime",
  "location": "string",
  "diagnosis": "string",
  "treatmentPlan": "string",
  "notes": "string",
  "createdAt": "datetime"
}
```

Get All Medical Records

GET /

Retrieves all medical records.

Response: 200 OK

```
[
  {
    "id": "long",
    "patientId": "long",
    // ... (full medical record response)
  }
]
```

```
}  
]
```

Get Records by Patient

GET /patient/{patientId}

Retrieves all medical records for a specific patient.

Path Parameters: - `patientId` (long): ID of the patient

Response: 200 OK Array of medical record responses

Get Records by Doctor

GET /doctor/{doctorId}

Retrieves all medical records for a specific doctor.

Path Parameters: - `doctorId` (long): ID of the doctor

Response: 200 OK Array of medical record responses

Get Records by Patient and Doctor

GET /patient/{patientId}/doctor/{doctorId}

Retrieves all medical records for a specific patient-doctor combination.

Path Parameters: - `patientId` (long): ID of the patient - `doctorId` (long): ID of the doctor

Response: 200 OK Array of medical record responses

Get Records by Location

GET /location

Retrieves all medical records from a specific location.

Query Parameters: - `location` (string): Location name or identifier

Response: 200 OK Array of medical record responses

Get Records by Date Range

GET /date-range

Retrieves all medical records within a specified date range.

Query Parameters: - `startDate` (datetime, ISO 8601 format): Start of date range - `endDate` (datetime, ISO 8601 format): End of date range

Example Request:

GET /api/medical-records/date-range?startDate=2024-01-01T00:00:00Z&endDate=2024-02-01T00:00:00Z

Response: 200 OK Array of medical record responses

Search Medical Records

POST /search

Searches medical records based on multiple criteria.

Request Body:

```
{
  "patientId": "long",
  "doctorId": "long",
  "startDate": "datetime",
  "endDate": "datetime",
  "location": "string",
  "diagnosisOrTreatment": "string"
}
```

Response: 200 OK Array of medical record responses

Data Models

MedicalRecordRequest

```
{
  "patientId": "long",
  "doctorId": "long",
  "dateOfVisit": "datetime",
  "location": "string",
  "diagnosis": "string",
  "treatmentPlan": "string",
  "notes": "string"
}
```

MedicalRecordResponse

```
{
  "id": "long",
  "patientId": "long",
  "doctorId": "long",
  "dateOfVisit": "datetime",
  "location": "string",
  "diagnosis": "string",
  "treatmentPlan": "string",
  "notes": "string",
}
```

```
    "createdAt": "datetime"  
  }
```

MedicalRecordSearchCriteria

```
{  
  "patientId": "long",  
  "doctorId": "long",  
  "startDate": "datetime",  
  "endDate": "datetime",  
  "location": "string",  
  "diagnosisOrTreatment": "string"  
}
```

Date Format

All datetime fields should be provided in ISO 8601 format: - Example:
2024-01-01T00:00:00Z

Error Responses

All endpoints may return these error responses: - **400 Bad Request**: Invalid request parameters or body - **404 Not Found**: Requested resource not found - **500 Internal Server Error**: Server error