

Imperial Health Plan – API Endpoint Technical Documentation

Base API URL: <https://api.imperialhealthplan.com>

■ API Overview

Imperial Health Plan's Interoperability APIs comply with the CMS Interoperability and Patient Access Final Rule. They allow secure access to member data, provider directory information, and formulary data using standard HL7 FHIR (R4) frameworks.

Available APIs:

- Patient Access API
- Provider Directory API
- Formulary API

■ Authentication

OAuth 2.0 is required for production environments.

Sandbox environments are publicly available for testing with synthetic data.

Clients must register to receive `client_id` and `client_secret` to generate access tokens.

■ 1) Patient Access API

Base Endpoint: <https://api.imperialhealthplan.com/fhir/Patient>

Example Function: GET /Patient

Required Parameters:

Parameter	Type	Required	Description
_id	string	Optional	Unique patient ID
name	string	Optional	Patient name
birthdate	date	Optional	Date of birth
_lastUpdated	date	Optional	Last modified date

Example Call (CURL):

```
curl -X GET "https://api.imperialhealthplan.com/fhir/Patient?_id=12345" \  
-H "Authorization: Bearer {access_token}"
```

Example Response (JSON):

```
{  
  "resourceType": "Patient",  
  "id": "12345",  
  "name": [  
    { "family": "Smith", "given": ["John"] }  
  ],  
  "birthDate": "1980-01-01"  
}
```

Exceptions & Handling:

401 Unauthorized – Invalid or expired access token.

400 Bad Request – Invalid query parameter.

■ 2) Provider Directory API

Base Endpoint: <https://api.imperialhealthplan.com/fhir/Practitioner>

Example Function: GET /Practitioner

Supported Resources & Common Search Parameters:

Resource	Sample Endpoint	Search Parameters
Practitioner	/Practitioner	_id, name, family, given
PractitionerRole	/PractitionerRole	_id, practitioner, organization, location
Organization	/Organization	_id, name, type
Location	/Location	_id, name, address-city, address-state

Example Call (CURL):

```
curl -X GET "https://api.imperialhealthplan.com/fhir/Practitioner?name=Doe" \  
-H "Authorization: Bearer {access_token}"
```

Example Response (JSON):

```
{  
  "resourceType": "Practitioner",  
  "id": "6789",  
  "name": [  
    { "family": "Doe", "given": ["Jane"] }  
  ]  
}
```

■ 3) Formulary API

Base Endpoint: <https://api.imperialhealthplan.com/fhir/InsurancePlan>

Example Function: GET /InsurancePlan

Supported Search Parameters:

Parameter	Type	Description
_id	string	Insurance plan ID
name	string	Insurance plan name
type	string	Coverage type code
formulary-coverage	reference	Related formulary

Example Call (CURL):

```
curl -X GET "https://api.imperialhealthplan.com/fhir/InsurancePlan?name=HMO" \
-H "Authorization: Bearer {access_token}"
```

Example Response (JSON):

```
{
  "resourceType": "InsurancePlan",
  "id": "HM0123",
  "name": "Imperial Health Plan HMO",
  "type": [
    {
      "coding": [
        {
          "system": "http://terminology.hl7.org/CodeSystem/insurance-plan-type",
          "code": "medical"
        }
      ]
    }
  ]
}
```

■ Exceptions & Error Handling

Error Code	Meaning	Suggested Action
400	Bad Request	Verify required parameters.
401	Unauthorized	Renew your access token.
403	Forbidden	Ensure the request has correct scopes.
404	Not Found	Confirm the resource ID or query.
500	Server Error	Contact support if persistent.

■ Registration & Access Token Flow

Register for API access at: <https://exchange.imperialhealthplan.com/developer/signup>

```
curl -X POST "https://api.imperialhealthplan.com/oauth2/token" \  
  -H "Content-Type: application/x-www-form-urlencoded" \  
  -d "grant_type=client_credentials&client_id={client_id}&client_secret={client_secret}"
```

Use the returned access token in your API calls.

■ Support

For questions, please visit: <https://exchange.imperialhealthplan.com/interoperability>

■ Disclaimer

Imperial Health Plan reserves the right to update this documentation to comply with CMS interoperability requirements.