70.315(g)(7) Application access

Authentication for Applications

Applications need to be registered with inteliMD for authentication before they can be used. To start the registration process, please submit a request by filling out this form. inteliMD will review your request and if you are approved you will receive an OAuth `client_id` to use on subsequent requests.

inteliMD APIs are authenticated using the OAuth 2.0 protocol. All API requests must include an Authorization header with an Access Token of the form:

```
Authorization: Bearer MY_JWT_TOKEN
```

Confidential clients, such as web apps, which are capable of securely storing credentials will be issued a `client_secret` that may be used in conjunction with the `client_id` to form an authorization grant, which can be used to obtain refresh and access tokens. Our refresh tokens are long-lived and conform to Health IT criteria documented here.

Software Tools for Authenticating

We have received feedback that Postman works consistently for querying our server. If you are encountering issues authenticating into our server or running queries, please use Postman or another API testing tool to help identify the source of the issue.

Overview

Terms & Conditions

Fees

inteliMD offers a range of services through a monthly subscription plan. For more information, please visit https://www.intelimd.com/providers-health-systems#packages

Restrictions

inteliMD APIs are only available to authenticated users.
Production access is limited to customers that have licensed the inteliMD API functionality.

Third-party developers must execute a Business Associate Agreement (BAA) with inteliMD. The inteliMD API uses rate limiting to safeguard against bursts of incoming traffic to help maximize its stability. Users who send many requests in quick succession may see error responses with a 429 status code.

Obligations

App developers must ensure all electronic protected health information (ePHI) is handled securely and appropriately.

Errors and Exceptions

Error codes

The server will return standard HTTP Error codes, here are some you might encounter:

- A 400 Bad Request response can be received for a variety of reasons such as making a request with a invalid query parameter. For example searching Patient resource with the “sample” query param:

```
POST rootURL/users/search-patient
-> HTTP/1.1 400 Bad Request
```

- A 404 Not Found response can be received when making a request with an invalid or unsupported resource type.

```
POST rootURL/users/search-patient
HTTP/1.1 404 Not Found
```

- A 403 Forbidden response is received when making a request the client does not have permissions to make.

OperationOutcome

For most errors we will include a response body in the form given below .

When an unauthorized user attempts access, the system typically generates an error message. This message informs the user that they do not have the necessary permissions. Common error messages include:

- Access Denied.
- Unauthorized Access.
- You do not have permission to view this page.


```
{
   "error": {
       "statusCode": 401,
       "name": "Error",
       "message": "Authorization Required",
       "code": "AUTHORIZATION_REQUIRED"
   }
}
```


This error typically occurs in applications or systems where users can search for patient data. When no search parameters are provided, the system might generate an error message indicating that search criteria are required.


```
{
   "error": {
       "statusCode": 400,
       "name": "Error",
       "message": "Search Criteria Required",
       "code": "SEARCH_CRITERIA_EMPTY"
```

```
    }

}
```

When a patient record is not found in the EHR, the system generates an error message to inform the user. Common error messages include:

- "Patient not found"

```
{

   "error": {

        "statusCode": 400,

        "name": "Error",

        "message": "Patient not found.",

        "code": "PATIENT_NOT_FOUND"

        }

}
```

When a search returns multiple records and the system requires more specific criteria to narrow down the results and find the unique patient data, it generates an error message. Common messages include:

- "Add more filters."

```
{

   "error": {

        "statusCode": 400,

        "name": "Error",

        "message": "Add more filters!",
```

```
        "code": "ADD_MORE_FILTER"

        }

}
```

When a patient exists in the EHR but has no visit records, the system generates an error message. Common messages include:

- "Patient not visited"

```
{

   "error": {

        "statusCode": 400,

        "name": "Error",

        "message": "Patient not visited",

        "code": "PATIENT_NOT_VISITED"

       }

}
```

Patient Search

The patient search feature in the EHR system allows anyone who has registered with inteliMD and is logged in as a provider to do patient searches and accurately locate a patient's medical records. By incorporating demographic information, this feature enhances the accuracy and efficiency of the search process, ensuring that the correct and unique patient record is retrieved. The search feature allows the input of multiple demographic parameters, such as name, DOB, SSN, gender, etc.

API Syntax

```
POST https://intelimd.com/users/search-patient

Example
curl -X POST \
  -H "Content-Type: application/x-www-form-urlencoded" \
  -H "Authorization:
eyJhbGciOiJSUzI1NiIsInR5cCI6ImF0K2p3dCIsImtpZCI6ImJsYWJsYSJ9.eyJzY29wZSI6Ii
IsImlhdCI6MTcyMTM2NjM5OSwiaXNzIjoiaHR0cDovL2xvY2FsaG9zdDo4NTMxIiwiZXhwIjoxN
zIxNDAyMzk5LCJqdGkiOiJSdmhueXpLRmtFbWNqd3VfNXRrMTZJcXpYZkcwOFBTa1NpNDItSWFz
YjhzIn0.farjNeq5c-xSHoYpywsEg8o41N0BHjny8_PLfV5tvAa2VsRrctf4_fMxVS0Ux6fJ7Pq
JoFznd1HEfBaR0Uqh9JhScygmAb7ZStStmNzruRq05VTP3qTpTlHfgFvZtPxkyAeIDQBiN503aW
nnToC07hkXZB8XgOyknaJEXNzXrmosn61kv-NYlWeqnoMbgwR4iJurkxAhbA2SgDom_O8nW2MtF
SD8KjolaMic46uuIct8BdO0hZlaImyc1rFOP7NpkkkehlDzqjZtIUX0joDwCOV2F9BLSRVchFgx
ShAeeZOT_JPZ63rhTkE9dBzo-nyWD2uOa54VkX_qBVyZsZJocg" \
  -d "firstName=Reyansh&lastName=saini" \
  https://intelimd.com/users/search-patient
```

Authentication: JWT

Method: POST

Function Name: searchPatient

Header details:

Content-Type:application/x-www-form-urlencoded

Accept: ‘application/json'

Authorization:’’ **//** provider access token

Request Body Parameters:

firstName: ‘’ [string] // required

lastName:’’ [string] // required

gender:’’ [string] // required

phone: [number] // required

ssn: ‘’ [string] // optional

dob: ‘’ [string] // optional

Return: Body json

```
{

   "result": {

       "ephId": "TjF0dQJfM-Tt5joirrLggg"

   }

}
```

Developer Name – inteliMD PLLC.

Product Name - inteliMD

Version 1

Certificate number -

Certification date -

Criteria certified - §170.315(g)(7)