

## Introduction

Navigating Cancer Version 7.0 Standardized API was created to the specifications detailed in the ONC 2015 Edition Cures Update 45 CFR 170.315(g)(10). This publicly accessible API provides authorized users the ability to leverage approved SMART applications in accordance with ONC specifications. This page provides the needed reference material and instructions for both application developers as well as patients, providers, and other authorized users in accordance with ONC specifications. Use of this and any other Navigating Cancer API is subject to our [Terms of Use](#).

## Registration

Application developers and users wanting to use Navigating Cancer APIs must first submit a written request to our support team at [support@navigatingcancer.com](mailto:support@navigatingcancer.com).

## TLS for HTTP

For developing SMART applications, the backend requires certain TLS version usage over HTTP requests. The allowed versions are v1.2+.

## Confidential and public applications

There are [two types](#) of applications using SMART on FHIR APIs

- confidential apps are able to protect issued secrets
- public ones are not able to protect issues secrets

## Public applications

Public applications don't have backend service and are not able to keep secrets securely and shouldn't have secret, basic grant type, and auth.authorization\_code.secret\_required should be disabled.

## Mappings from USCDiv1 Data Classes to FHIR API Resources

- Allergies and Intolerances – AllergyIntolerance
- Assessment and Plan of Treatment – CarePlan, QuestionnaireResponse
- Care Team Members – CareTeam.participant
- Clinical Notes – DocumentReference, DiagnosticReport
- Clinical Tests – Observation, DiagnosticReport
- Diagnostic Imaging – Observation, DiagnosticReport
- Encounter – Encounter, Condition
- Goals – Goal
- Health Concerns
  - Health Insurance Information – Coverage
  - Health Status/Assessments – Condition, Observation
- Immunizations – Immunization
- Laboratory – Observation, DiagnosticReport, Specimen
- Medications – Medication, MedicationRequest
- Patient Demographics/Information – Patient, RelatedPerson, [US Core Extensions]

- Problems – Condition
- Procedures – Procedure
- Provenance – Provenance
- Smoking Status – Observation
- Unique Device Identifier(s) – Device
- Vital Signs – Observation

## API Documentation

<https://api-portal.navigatingcare.com/documentation>

## Base URLs

<https://api-portal.navigatingcare.com/service-base-urls>

## Expanding scope

Scope is used to let SMART on FHIR know what resources an application needs to have access to. Scope can be defined in two ways:

1. Exact resource name like patient/Device.read. In this case read access to the Device is requested
2. Wildcard definition like patient/\*.read says all the patients resources read access requested

## How Navigating Cancer expands wildcard \* scope

patient/\*.read expands to:

- patient/Patient.read
- patient/AllergyIntolerance.read
- patient/CarePlan.read
- patient/CareTeam.read
- patient/Condition.read
- patient/Device.read
- patient/DiagnosticReport.read
- patient/DocumentReference.read
- patient/Goal.read
- patient/Encounter.read
- patient/Immunization.read
- patient/MedicationRequest.read
- patient/Observation.read
- patient/Procedure.read
- patient/Provenance.read
- patient/Practitioner.read
- patient/Organization.read
- patient/Location.read

user/\*.read expands to:

- user/Patient.read

- user/AllergyIntolerance.read
- user/CarePlan.read
- user/CareTeam.read
- user/Condition.read
- user/Device.read
- user/DiagnosticReport.read
- user/DocumentReference.read
- user/Goal.read
- user/Encounter.read
- user/Immunization.read
- user/MedicationRequest.read
- user/Observation.read
- user/Procedure.read
- user/Provenance.read
- user/Practitioner.read
- user/Organization.read