



API USER GUIDE

Fast Healthcare Interoperability Resources (FHIR)

Updated: May 2025

Introduction

This guide is written for patients who wish to access their Electronic Health Information (EHI) using an application of their choice. This guide is also written for third-party developers who are developing software applications for patients, providers and/or systems that wish to access identified EHI.

Tebra Technologies, provides Fast Healthcare Interoperability Resources (FHIR) APIs designed to satisfy the [United States Core Data for Interoperability \(USCDI, version 1\)](#) requirements set forth by the [Office of the National Coordinator \(ONC\)](#). The FHIR APIs are based on the [HL7 FHIR US Core Implementation Guide STU3 Release 3.1.1](#) which conform to the [FHIR Version R4](#). Tebra's implementation of R4 version is ongoing and new resources will be added.

Tebra has elected to partner with SmileCDR, a third-party provider of FHIR services. At the time of registration, you will be required to accept SmileCDR's terms and conditions.

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Getting Started

Terms & Conditions

Acceptance of Terms

You must accept this Tebra Terms of Use (“Agreement”) in order to use the Tebra Fast Healthcare Interoperability Resource Application Programming Interface (“FHIR API”). This Agreement describes your rights and your obligations if you use the Tebra FHIR API. It is important that you read the Agreement carefully because you will be legally bound to these terms and your use of the Tebra FHIR API is subject to this Agreement. By accepting this Agreement or by accessing or using the Tebra FHIR API, you agree to be bound by this Agreement.

If you are entering into this Agreement on behalf of a company or other legal entity (“Entity”), you represent that you have the authority to bind such Entity to this Agreement. In that case, the terms “you” or “your” shall also refer to such Entity. If you do not have such authority, or if the Entity does not agree to be bound by this Agreement, the Entity and you may not use the

Tebra FHIR API. You acknowledge that this Agreement is a contract between you and Tebra, even though it is electronic and is not physically signed by you and Tebra.

API Definitions

a) Application: Any software application, website, or product you create, or service you offer, using the Tebra FHIR API;

b) API Documentation: The documentation, data and information that Tebra provides regarding use of the Tebra FHIR API through the Developer Site;

c) Developer Site: Tebra’s MACRA information and tools for developers is found at www.Tebra.com/macra;

d) Tebra FHIR API: The publicly available Tebra Fast Healthcare Interoperability Resource Application Programming Interface (“FHIR API”) as well as the related FHIR API Documentation;

e) Tebra Brand: The Tebra brand and brand assets, including names, logos, trade names and trademarks.

FHIR API License

Tebra hereby grants you a revocable, limited, personal, non-sublicensable, non-exclusive, and non-transferable license to use the FHIR API to develop, test, and support your Application, and to integrate the Tebra FHIR API with your Application. Your license is subject to the limitations set forth in Section 4 and Section 9 below.

Use of FHIR APIs and Tebra Data

4.1 You may not use the Tebra FHIR API in a manner that accesses or uses any information beyond what Tebra allows under this Agreement or the FHIR API Documentation; that changes, breaks or circumvents any of Tebra's technical, administrative, process or security measures; that disrupts or degrades the performance of the Tebra FHIR API; or that tests the vulnerability of Tebra's systems or networks.

4.2 You may not transmit any viruses or other computer programming that may damage, detrimentally interfere with, surreptitiously intercept, or expropriate any system or data.

4.3 You may not attempt to reverse engineer or otherwise derive source code, trade secrets, or know-how in the Tebra FHIR API or any portion thereof.

4.4 You may not use the Tebra FHIR API to replicate or compete with core products or services offered by Tebra. You acknowledge and agree that Tebra has or may in the future offer products or services that are similar to your Application, and nothing will prevent Tebra from doing so.

4.5 You may charge for your Application, *unless that application provides access for individual patients to their health information. All patients shall have direct access via the FHIR API to their health information, as outlined in the 21st Century Cures Act.* However, you may not sell, rent, lease, sublicense, redistribute, or syndicate access to the Tebra FHIR API.

4.6 You may place advertisements on and around your Application. However, you may not:

- a) place any advertisements that resemble or are reasonably likely to confuse users as being a message from Tebra; or

b) use any content from Tebra in any advertisements or for purposes of targeting advertisements, in your Application or elsewhere.

4.7 You will not attempt to exceed or circumvent limitations on access, calls and use of the Tebra FHIR API, or otherwise use the Tebra FHIR API in a manner that exceeds reasonable request volume, constitutes excessive or abusive usage, or otherwise fails to comply or is inconsistent with any part of this Agreement or the Documentation.

4.8 You may not use the Tebra FHIR API in any Application that includes adult content, promotes gambling, involves the sale of tobacco or alcohol to persons under 21 years of age, or otherwise violates any applicable law or regulation.

4.9 You may not distribute or allow access to the Tebra FHIR API to anyone other than, if applicable, the Entity on whose behalf you entered into this Agreement.

Security Measures

5.1 The network, operating system and software of your web servers, databases, and computer systems (collectively, “Your Systems”) must be properly configured to securely operate your Application. Your Application must use reasonable security measures to protect your users’ information. You must not architect or select Your Systems in a manner to avoid the foregoing obligation.

5.2 You must promptly report any security deficiencies in, or intrusions to, your Systems to Tebra in writing via email to security@tebra.com or subsequent contact information posted on the Developer Site. You will work with Tebra to immediately correct any security deficiency, and will immediately disconnect any intrusions or intruders. In the event of any security deficiency or intrusion involving the Application, or the Tebra FHIR API you will make no public statements regarding such deficiencies or intrusions (e.g. press, blogs, social media, bulletin boards, etc.) without prior written and express permission from Tebra in each instance.

Ownership

As between you and Tebra, Tebra owns all right, title, and interest, including all intellectual property rights, in and to, the Tebra FHIR API, Documentation, and all elements and components thereof (collectively, the “Tebra Materials”). Except for the express license granted in this Agreement, Tebra does not grant you any right, title, or interest in or to the

Tebra Materials. If you provide any feedback (“Feedback” is defined as any recommendations, enhancements, requests, suggestions or other similar activity) to Tebra regarding the Tebra FHIR API or Documentation, you hereby agree that Tebra will own any such Feedback and you hereby grant Tebra a perpetual, irrevocable, world-wide, and royalty-free license to use the Feedback for the purpose of improving and creating derivative works of Tebra’s FHIR API and Documentation.

Term and Termination

7.1 This Agreement will go into effect on the date upon which you agree to them, by accessing or using the Tebra FHIR API, and will continue until terminated as set forth herein.

7.2 You may terminate this Agreement by discontinuing use of the Tebra FHIR API. 7.3 Upon termination of this Agreement

7.3.1 All rights and licenses granted to you will terminate immediately.

7.3.2 You will promptly destroy Documentation and any other Tebra information in your possession or control that was received under this Agreement.

Modifications to this Agreement

Tebra may change, add to or delete any portion of this Agreement in its sole discretion. If Tebra does so, it will provide you with reasonable notice prior to the changes either by emailing the email address associated with your account or by posting a notice on the Developer Site. Your continued access or use of the Tebra FHIR API will mean that you agree to the changes.

Disclaimer of Warranties; Limitation of Liability; Indemnity

9.1 **NO WARRANTIES.** THE TEBRA FHIR API AND ALL RELATED COMPONENTS ARE PROVIDED ON AN “AS IS” AND “AS AVAILABLE” BASIS WITHOUT ANY WARRANTIES OF ANY KIND, AND TEBRA EXPRESSLY DISCLAIMS ANY AND ALL WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, TITLE, FITNESS FOR A PARTICULAR PURPOSE, AND NON INFRINGEMENT.

YOU ACKNOWLEDGE THAT Tebra DOES NOT WARRANT THAT THE TEBRA FHIR API WILL BE UNINTERRUPTED, TIMELY, SECURE, ERROR-FREE OR VIRUS-FREE, NOR DOES IT MAKE ANY WARRANTY AS TO THE RESULTS THAT MAY BE OBTAINED FROM USE OF THE TEBRA FHIR API, AND NO INFORMATION, ADVICE OR SERVICES OBTAINED BY YOU FROM TEBRA OR THROUGH THE DEVELOPER SITE SHALL CREATE ANY WARRANTY NOT EXPRESSLY STATED IN THIS AGREEMENT.

9.2 LIMITATION ON LIABILITY. UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY (WHETHER IN CONTRACT, TORT, OR OTHERWISE) SHALL TEBRA BE LIABLE TO YOU OR ANY THIRD PARTY FOR (A) ANY INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, CONSEQUENTIAL OR PUNITIVE DAMAGES, INCLUDING LOST PROFITS, LOST SALES OR BUSINESS, OR LOST DATA, OR (B) ANY MATTER BEYOND TEBRA’S REASONABLE CONTROL. THE PROVISIONS OF THIS SECTION ALLOCATE THE RISKS UNDER THIS AGREEMENT BETWEEN THE PARTIES, AND THE PARTIES HAVE RELIED ON THESE LIMITATIONS IN DETERMINING WHETHER TO ENTER INTO THIS AGREEMENT. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES OR LIMITATION OF LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHICH MEANS THAT SOME OF THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU. IN THESE JURISDICTIONS, TEBRA’S LIABILITY WILL BE LIMITED TO THE GREATEST EXTENT PERMITTED BY LAW.

9.3 Indemnity. You agree to defend, hold harmless and indemnify Tebra, and its subsidiaries, affiliates, officers, agents, employees, and suppliers, from and against any third party claim arising from or in any way related to your or your users’ use of the Application or the Tebra FHIR API, or any violation of this Agreement, including any liability or expense arising from all claims, losses, damages (actual and consequential), suits, judgments, litigation costs and attorneys’ fees, of every kind and nature. In such a case, we will provide you with written notice of such claim, suit, or action.

Dispute Resolution

Any claim, cause of action or dispute (“Claim”) arising out of or related to this Agreement shall be governed by the laws of the state of California, United States, regardless of your country of origin or where you access the Tebra FHIR API, and notwithstanding any conflicts of law principles and the United Nations Convention for the International Sale of Goods. You and Tebra agree that all Claims arising out of or related to this Agreement must be resolved exclusively in the courts located in the county of Orange, California or the U.S. District Court for the Central District of California. You and Tebra agree to submit to the personal jurisdiction of the courts located within the county of Orange, California or the Central District of California,

and agree to waive any and all objections to the exercise of jurisdiction over the parties by such courts and to venue in such courts for the purpose of litigating all such Claims. Notwithstanding the above, you agree that Tebra shall still be allowed to apply for injunctive remedies in any jurisdiction.

General Legal Terms

11.1 If any provision of this Agreement is found to be illegal, void, or unenforceable, the unenforceable provision will be modified so as to render it enforceable to the maximum extent possible in order to effect the intention of the provision; if a term cannot be so modified, it will be severed and the remaining provisions of this Agreement will not be affected in any way.

11.2 You will comply with all applicable law, regulations and third-party rights (including, without limitation, HIPAA regulations and privacy laws).

11.3 Notice and Service of Process. We may notify you via postings on the Developer Site or via the email address associated with your Application. Tebra accepts service of process by mail or courier at the physical address set forth in Section 11.6 below. Any notices that you provide without compliance with this section shall have no legal effect.

11.4 This Agreement and the FHIR API Documentation, constitute the entire agreement between you and Tebra regarding the Tebra FHIR API and supersedes all prior agreements and understandings, whether written or oral, or whether established by custom, practice, policy or precedent, with respect to the subject matter of this Agreement.

11.5 Our failure to act with respect to a breach of this Agreement by you or others does not waive our right to act with respect to that breach or subsequent similar or other breaches.

Fees

There is no requirement for contracting with Tebra, Inc for the API read (GET) for USCDIV1 data for Patient APIs. There are no fees for patients accessing their health data through FHIR APIs. There is no charge for usage of the read (GET) routes for USCDIV1 data for Patient APIs.

Clinician-focused and system bulk export applications will need to be registered with their practice site and sign necessary business engagement documents and contracts. These applications also require additional fees to enable workflow and system integration. Please contact Tebra for further details.

Registration

Patients

Patients can access their health information by using a patient application that follows the API specifications outlined elsewhere in this document and has been approved by Tebra. Patients are encouraged to consider due diligence when selecting an application. All applications are owned by third party developers and Tebra does not control their design. However, Tebra does encourage all developers to review and implement in accordance with ONC's [2019 Model Privacy Notice](#) guidelines.

Patients must have access to their provider's patient portal in order to register to use any patient app. Contact your physician's office for details on how to obtain a portal account.

Once a patient has access to their patient portal, the patient will need to consent to sharing their clinical data with the mobile application. Detailed instructions are available at Tebra's Help Center (<https://helpme.tebra.com>). All currently approved apps will be shared after consent.

Patients will establish their FHIR login credentials through their portal account. After they have elected to opt-in, they will then see a link in their patient portal to the Tebra appSphere site where they can select any registered and approved FHIR application.

Developer

Tebra FHIR APIs are only available to registered developers. Developers may request access for their applications through our appSphere registration page:

<https://fhir.prd.cloud.tebra.com/appsphere/portal/#/login>. From there, the developer can select “Sign Up” to request a developer account.

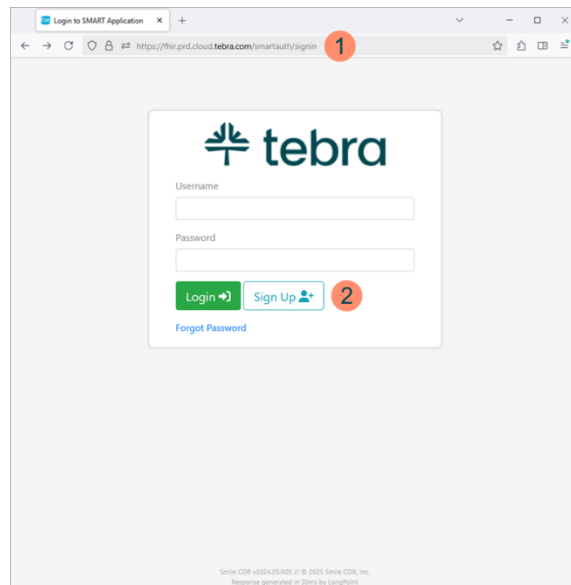
After creating a developer account, the developer can log into the appSphere to register the FHIR application. Upon selecting the “Register” button, the developer will be led through a series of questions and data fields regarding the application that they must complete.

After completing and submitting the registration, it will be reviewed by Tebra FHIR solutions team.

In the developer account, developers can also access and use a FHIR My Sandbox to conduct testing of their application.

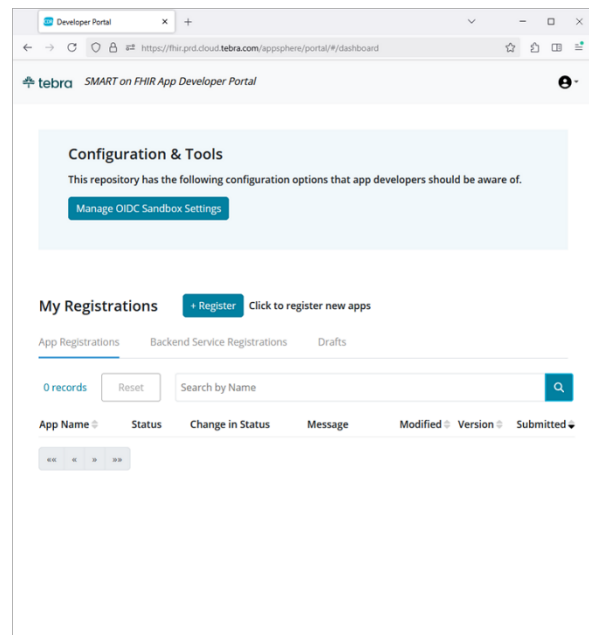
Create appSphere Account

1. Open [appSphere](#) in an internet browser, such as Google Chrome and Firefox.
2. Click **Sign Up**. The *Create new account* page opens.
3. Enter a *Username*, *Password*, *Family Name*, *Given Name*, a valid *Email Address* for communications, and enter the displayed code.
4. Click **Sign Up** when finished. A confirmation page opens.
5. Click **Login** to return to the sign in page. Then, enter the *Username* and *Password* to access appSphere.



Create Developer Account

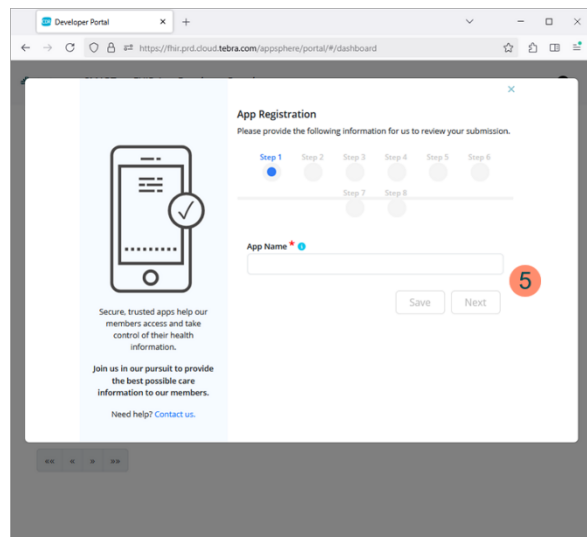
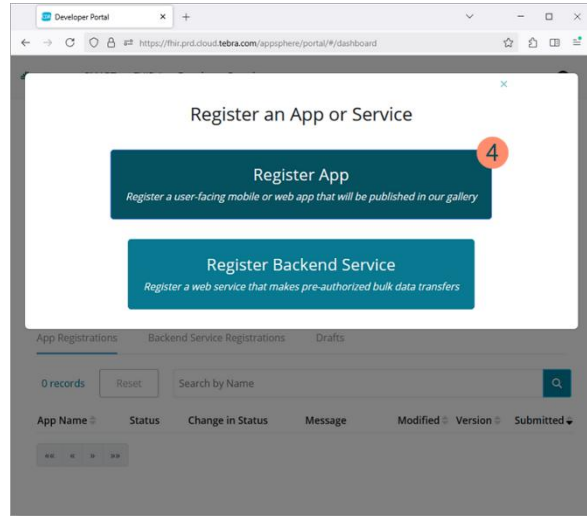
1. Open [appSphere](#) in an internet browser, such as Google Chrome and Firefox.
2. Enter the *Username* and *Password*. Then, click **Login**. The *Developers Portal* page opens.
3. Click the drop-down to select whether *I am a registered business* or *I am an individual*.
 - If *I am a registered business* is selected, enter the developer's *Legal Full Name, Legal Business Name, and Position or Designation*.
 - If *I am an individual* is selected, enter the developer's *Legal Full Name*.
4. Click **Next**. The next form opens.
5. Enter the additional information: full *Address, Work Phone, Cell Phone, and Website*, if applicable.
6. Click **Submit** when finished. The *Developer Portal* opens.



Register User Facing App


Developers can register a user-facing app for review to be published in the app gallery.

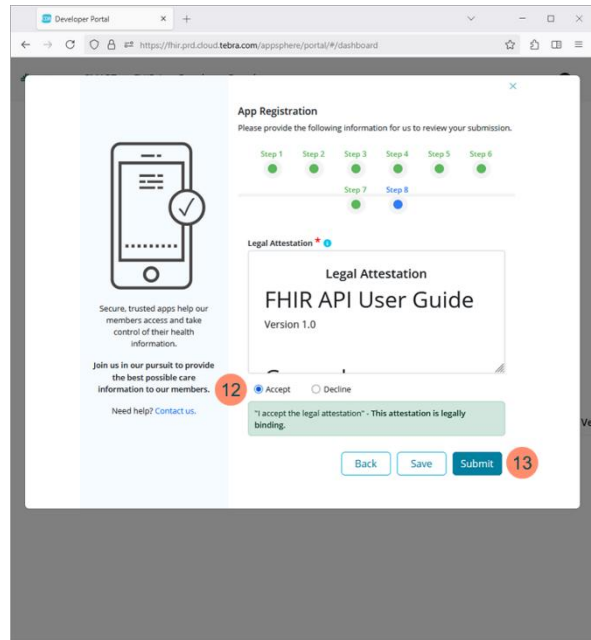
1. Open [appSphere](#) in an internet browser, such as Google Chrome and Firefox.
2. Enter the *Username* and *Password*. Then, click **Login**. The *Developers Portal* page opens.
3. Click **+ Register**. The *Register an App or Service* pop-up window opens.
4. Click **Register App**. The *App Registration* pop-up window opens.
5. Enter the *App Name*. Then, click **Next**. *Step 2* displays.
6. Enter the app information. Then, click **Next**. *Step 3* displays.
 - *OS Supported*: Click to select whether *Web*, *iOS*, and/or *Android* is supported.
 - *App Homepage URL*
 - *URL to the App's Privacy Policy*
 - *URL to the App's Terms of Service*
 - *Default OAuth Redirect URL*
 - (Optional) *Additional OAuth Redirect URLs*
7. Enter the app descriptions. Then, click **Next**. *Step 4* displays.
 - Upload App Icon
 - Short App Description
 - Long App Description




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Register User Facing App, cont.

8. Click to select the app details. Then, click **Next**. *Step 5* displays.
- *Audience Category*: Payer, Provider, Pharma, Patient, and/or Developer
 - *App Use Category*: Health and Therapy Management, Provider Care Coordination, Clinical Applications, Research, and/or Data Monitoring Analysis
 - *FHIR Versions Supported*: DSTU1, DSTU2, STU3, and/or R4
 - (Optional) *Compliance and Certifications*: HIPAA, GDPR, CARIN Code of Conduct, and/or ONC Model Privacy Notice
 - *Authentication*: Select *Public*
-  Note: The other authentication options are not supported by Tebra.

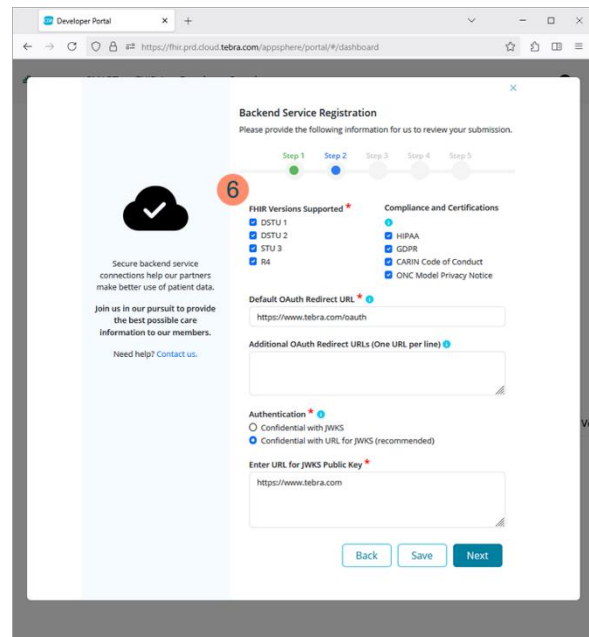
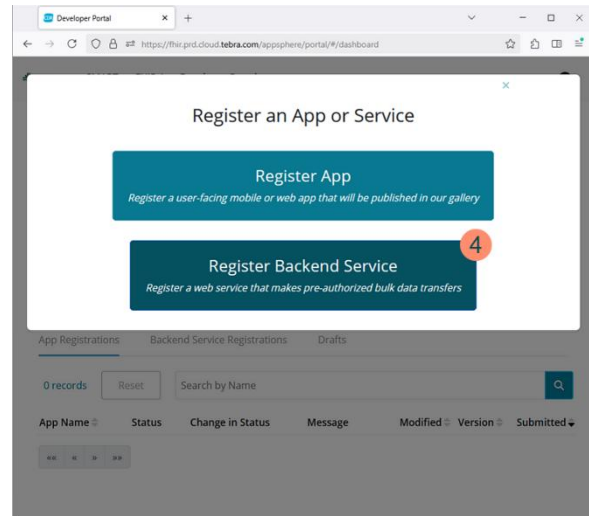


9. No action required for this step, do not select “Request All”. Click **Next**. *Step 6* displays.
-  Note: Bulk transfer is not supported for public / user-facing applications.
10. Enter the SMART scopes required for the application in the *Request Scopes* field. Each scope should be separated by a space. Then, click **Next**. *Step 7* displays.
11. Optionally, enter notes for the reviewer to help them evaluate this submission. Then, click **Next**. *Step 8* displays.
12. Review the *Legal Attestation*. Click to select “accept” to agree.
13. Click **Submit** when finished. The application status displays as *In Review* on the developer portal. Tebra will review the application and send a notification when accepted.

Register Backend App

Developers can register a backend service app for review to make preauthorized bulk data transfers.

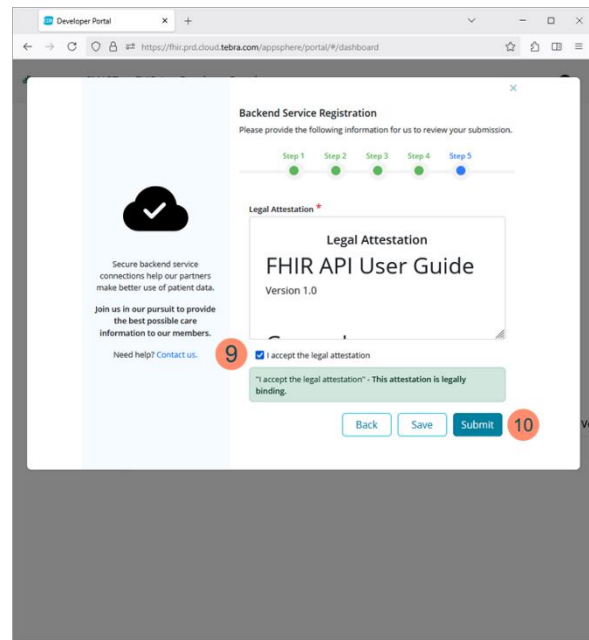
1. Open [appSphere](#) in an internet browser, such as Google Chrome and Firefox.
2. Enter the *Username* and *Password*. Then, click **Login**. The *Developers Portal* page opens.
3. Click **+ Register**. The *Register an App or Service* pop-up window opens.
4. Click **Register Backend Service**. The *Backend Service Registration* pop-up window opens.
5. Enter the *Service Name* and *Service Description*. Then, click **Next**. *Step 2* displays.
6. Enter and click to select the app details. Then, click **Next**. *Step 3* displays.
 - *FHIR Versions Supported*: DSTU1, DSTU2, STU3, and/or R4
 - (Optional) *Compliance and Certifications*: HIPAA, GDPR, CARIN Code of Conduct, and/or ONC Model Privacy Notice
 - *Default OAuth Redirect URL*
 - (Optional) *Additional OAuth Redirect URLs*
 - *Authentication*: Select *Confidential with URL for JWKS (recommended)*
 - *Note*: Tebra currently only supports Client Credentials workflow and not JWKS-based workflows.
 - *Enter URL for JWKS Public Key*: Enter the app's website URL in the field as JWKS is not supported.



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Register Backend App, cont.

7. Enter the SMART scopes required for the application in the *Request Scopes* field. Each scope should be separated by a space. Then, click **Next**. *Step 4* displays.
8. Optionally, enter notes for the reviewer to help them evaluate this submission. Then, click **Next**. *Step 5* displays.
9. Review the *Legal Attestation*. Click to select “I accept the legal attestation” to agree.
10. Click **Submit** when finished. The application status displays as *In Review* on the developer portal. Tebra will review the application and send a notification when accepted.



Technical Documentation

System Requirements

Apps using the Tebra FHIR API must be able to:

- Support SMART on FHIR authentication framework
- Connect via HTTPS with TLS 1.2 and 1.3
- Store the client_id and client_secret for authentication
- Process JSON response files

APP TYPE	GRANT TYPE	OAuth FLOW
User-Facing	Authorization Code	3-legged
Backend Services	Client Credentials	2-legged

User Facing Applications (3-legged OAuth)

The User Facing application is supported for patient and provider applications. Applications need to use 3-legged OAuth flow for authorization.

AUTHORIZATION	
Method	GET
URL	https://fhir.prd.cloud.tebra.com/smartauth/oauth/authorize
ACCESS TOKEN	
Method	POST
URL	https://fhir.prd.cloud.tebra.com/smartauth/oauth/token

Backend Services Applications (2-legged OAuth)

The Backend Services application is supported for provider apps that do not require user authentication. Applications need to use 2-legged OAuth flow for authentication.

ACCESS TOKEN	
Method	POST
URL	https://fhir.prd.cloud.tebra.com/smartauth/oauth/token

Provider and Practice Onboarding

User Facing Applications (3-legged OAuth)

Providers may authenticate with approved User Facing applications by requesting FHIR activation for the practice from the Customer Care team. After the Customer Care team activates FHIR for the practice, review the [Enable or Disable Exchange Clinical Data](#) help article to learn how providers can enable Exchange Clinical Data in Tebra's web platform.

Create New Case

1. Open an internet browser, such as Google Chrome and Firefox. Then, type app.kareo.com in the top address bar and press **Enter** on your keyboard. The *Tebra* login page opens.
2. Enter the email address associated with your Tebra username and your password.
3. Click **Login to Tebra**. The *Dashboard* page opens.
4. Hover over the *User* icon and click on **Customer Care**. The *New Case* page opens.
5. Enter or select the appropriate options:
 - *Category*: Select *Services* from the drop-down menu.
 - *Issue*: Select *Additional Services* from the drop-down menu.
 - *Issue Detail*: Select *Request a new integration* from the drop-down menu.
 - *Subject*: Enter the subject of the inquiry.
 - *Description*: Enter request to activate FHIR for the account.
6. Click **Create Case** when finished.

The screenshot shows the 'New Case' form in the Tebra web platform. The form is titled 'New Case' and has a 'Case List' tab and a 'New Case' tab. A red circle with the number '5' is next to the 'User Email Address' field, which contains 'dianahudson@tebratest.com'. Below it is the 'Contact Phone' field with '8669383272'. The 'Category' dropdown is set to 'Services'. The 'Issue' dropdown is set to 'Additional Services'. The 'Issue Detail' dropdown is set to 'Request a new integration'. The 'Subject' field contains 'FHIR Activation'. The 'Description' field contains 'Please activate FHIR for the account.'. The 'Preferred Contact Method' dropdown is set to 'Email'. Below the form is an 'Optional: Upload Attachments' section with a note 'Uploads must be smaller than 2MB' and an 'Attachment' section with 'Upload Files' and 'Or drop files' buttons. A red circle with the number '6' is next to the 'Create Case' button at the bottom right of the form.

Backend Services Applications (2-legged OAuth)

Backend Services must request activation for the practice from the Customer Care team for onboarding. The authentication will be completed after the Customer Care team activates the FHIR integration for the practice and the backend service client.

Create New Case

1. Open an internet browser, such as Google Chrome and Firefox. Then, type app.kareo.com in the top address bar and press **Enter** on your keyboard. The *Tebra* login page opens.
2. Enter the email address associated with your Tebra username and your password.
3. Click **Login to Tebra**. The *Dashboard* page opens.
4. Hover over the *User* icon and click on **Customer Care**. The *New Case* page opens.
5. Enter or select the appropriate options:
 - *Category*: Select *Services* from the drop-down menu.
 - *Issue*: Select *Additional Services* from the drop-down menu.
 - *Issue Detail*: Select *Request a new integration* from the drop-down menu.
 - *Subject*: Enter the subject of the inquiry.
 - *Description*: Enter request to activate FHIR for the account (for a Backend Service application).
6. Click **Create Case** when finished.

The screenshot shows the 'New Case' form in the Tebra application. The form is titled 'New Case' and has a 'Case List' tab. It contains several fields: 'User Email Address' (dianahudson@tebratest.com), 'Contact Phone' (8669383272), 'Category' (Services), 'Issue' (Additional Services), 'Issue Detail' (Request a new integration), 'Subject' (FHIR Activation - Backend), and 'Description' (Please activate FHIR for the account for a backend service application). There is also a 'Preferred Contact Method' dropdown set to 'Email'. At the bottom, there is an 'Optional: Upload Attachments' section with a note 'Uploads must be smaller than 2MB' and a button to 'Upload Files' or 'Or drop files'. A 'Create Case' button is at the bottom right. Red circles with numbers 5 and 6 highlight the 'User Email Address' field and the 'Create Case' button respectively.

Function Names & Resources

USCDI DATA CLASSES/ELEMENTS	US CORE PROFILES	FHIR RESOURCES	SCOPE
Allergies and Intolerances: <ul style="list-style-type: none"> • Substance (Medication) • Substance (Drug Class) • Reaction 	US Core AllergyIntolerance Profile	AllergyIntolerance	Search, Read
Assessment and Plan of Treatment	US Core CarePlan Profile	CarePlan	Search, Read
Care Team Members	US Core CareTeam Profile	CareTeam	Search, Read
Clinical Notes: <ul style="list-style-type: none"> • Consultation Note • Discharge • Summary Note • History & Physical • Progress Note • Consultation Note 	US Core DocumentReference Profile	DocumentReference	Search, Read
Clinical Notes: <ul style="list-style-type: none"> • Imaging Narrative • Laboratory Report Narrative • Pathology Report Narrative • Procedure Note 	US Core DocumentReference Profile US Core DiagnosticReport Profile for Report and Note Exchange	DocumentReference Diagnostic Report	Search, Read
Goals: <ul style="list-style-type: none"> • Patient Goals 	US Core Goal Profile	Goal	Search, Read
Goals: <ul style="list-style-type: none"> • Health Concerns 	US Core Condition Profile	Condition	Search, Read
Immunizations	US Core Immunizations Profile	Immunization	Search, Read
Laboratory: <ul style="list-style-type: none"> • Tests • Values/Results 	US Core Laboratory Result Observation Profile US Core DiagnosticReport Profile for Report and Note Exchange	Observation Diagnostic Report	Search, Read
Medications	US Core Medication Profile US Core Medication Request Profile	Medication Medication Request	Search, Read

USCDI DATA CLASSES/ELEMENTS	US CORE PROFILES	FHIR RESOURCES	SCOPE
Patient Demographics: <ul style="list-style-type: none"> • First Name • Last Name • Previous Name • Middle Name/Initial • Suffix • Birth Sex • Date of Birth • Race • Ethnicity • Preferred Language • Address • Phone Number 	US Core Patient Profile	Patient.name.given Patient.name.family Patient.name Patient.name.given Patient.name.suffix US Core Birth Sex Ext. Patient.birthDate US Core Race Extension US Core Ethnicity Ext Patient.communication Patient.address Patient.telecom	Search, Read
Problems	US Core Condition Profile	Condition	Search, Read
Procedures	US Core Procedure Profile	Procedure	Search, Read
Provenance: <ul style="list-style-type: none"> • Author Time Stamp • Author Organization 	US Core Provenance Profile	Provenance Provenance.recorded Provenance.agent	Search, Read
Smoking Status	US Core Smoking Status Observation Profile	Observation	Search, Read
Implantable Device	US Core Implantable Device Profile	Device	Search, Read
Vitals: <ul style="list-style-type: none"> • Diastolic blood pressure • Systolic blood pressure • Body height • Body weight • Heart rate • Respiratory rate • Body temperature • Pulse oximetry • Inhaled oxygen concentration • BMI Percentile (ages 2-20) • Weight-for-length (0-36mos) • Occipital-frontal Head Circumference (0-36mos) 	B/P systolic and diastolic Body Height Body Weight Heart Rate Respiratory Rate Body Temperature US Core Pulse Oximetry Profile US Core Pediatric BMI for Age US Core Pediatric Weight for Height US Core Pediatric Head Circumference	Observation	Search, Read

API Information

Supported Product: Tebra (Kareo) EHR version 5.0

Production Base URL: <https://fhir.prd.cloud.tebra.com/>

Authorization Endpoint: <https://fhir.prd.cloud.tebra.com/smartauth/>

FHIR Base URL: <https://fhir.prd.cloud.tebra.com/fhir-request>

Patient

REQUEST		
Patient	Retrieves a patient	
URL	https://fhir.prd.cloud.tebra.com/fhir-request/Patient	
Method	GET	
PARAMETERS	DESCRIPTION	REQUIRED
id	The id of the patient	Yes
identifier	Identifier such as a MPI	No
name	Match any part of the name	No
birthdate + name	Specified birthdate and name	No
gender + name	Specified gender and name	No

Allergy Intolerance

REQUEST		
AllergyIntolerance	Retrieves allergies/adverse reactions for a patient	
URL	https://fhir.prd.cloud.tebra.com/fhir-request/AllergyIntolerance	
Method	GET	
PARAMETERS	DESCRIPTION	REQUIRED
patient	All allergy and intolerances for a patient	Yes

Care Plan

REQUEST		
CarePlan	Retrieves assessment and plan of treatment for a patient	
URL	https://fhir.prn.cloud.tebra.com/fhir-request/CarePlan	
Method	GET	
PARAMETERS	DESCRIPTION	REQUIRED
Patient + category	All CarePlan resources by category	Yes

Care Team

REQUEST		
CareTeam	Retrieves persons who participate in patient's care	
URL	https://fhir.prn.cloud.tebra.com/fhir-request/CareTeam	
Method	GET	
PARAMETERS	DESCRIPTION	REQUIRED
Patient + status	All member of care team for patients of an identified status (e.g., active)	Yes

Condition

REQUEST		
Condition	Retrieves problems, health concerns and encounter diagnosis	
URL	https://fhir.prn.cloud.tebra.com/fhir-request/Condition	
Method	GET	
PARAMETERS	DESCRIPTION	REQUIRED
patient	All conditions resources for a patient	Yes

Diagnostic Report for Lab Results

REQUEST		
DiagnosticReport	Retrieves lab tests and results for a patient	
URL	https://fhir.prd.cloud.tebra.com/fhir-request/DiagnosticReport	
Method	GET	
PARAMETERS	DESCRIPTION	REQUIRED
patient	All DiagnosticReport results	Yes
patient + category	All DiagnosticReport results from a particular category (e.g., lab)	No
patient + code	All DiagnosticReport results and a specific code	No
patient + category + date	All DiagnosticReport results within a particular category and for a specific date	No

Diagnostic Report for Report and Note

REQUEST		
DiagnosticReport	Retrieves DiagnosticReport results	
URL	https://fhir.prd.cloud.tebra.com/fhir-request/DiagnosticReport	
Method	GET	
PARAMETERS	DESCRIPTION	REQUIRED
patient	All DiagnosticReport resources	Yes
patient + category	All DiagnosticReport resources identified by a category code (e.g., LP29684-5 for all radiology reports)	No
patient + code	All DiagnosticReport resources identified by a category code (e.g., 24323-8 for all CMP)	No
patient + category + date	All DiagnosticReport resources within a category and having a specific code	No

Document Reference

REQUEST		
DocumentReference	Retrieves patient documents, including clinical notes	
URL	https://fhir.prd.cloud.tebra.com/fhir-request/DocumentReference	
Method	GET	
PARAMETERS	DESCRIPTION	REQUIRED
id	The id of a single document	No
patient	All documents for a specific patient	Yes
patient + category	All documents identified by a category code (e.g., clinical-note)	No
patient + category + date	All documents within a category and for a specific date	No
patient + type	All documents for a specific patient and type (e.g., 18842-5 for a discharge summary)	No

Encounter

REQUEST		
Encounter	Retrieves basic encounter information for a patient	
URL	https://fhir.prd.cloud.tebra.com/fhir-request/Encounter	
Method	GET	
PARAMETERS	DESCRIPTION	REQUIRED
id	All encounter information for a specific patient	No
patient	All encounter information for a specific patient	Yes
date + patient	All encounter information for a specific patient on a specific date	No

Goal

REQUEST		
Goal	Retrieves all goal information for a patient	
URL	https://fhir.prn.cloud.tebra.com/fhir-request/Goal	
Method	GET	
PARAMETERS	DESCRIPTION	REQUIRED
patient	All goal information for a specific patient	Yes

Immunization

REQUEST		
Immunization	Retrieves immunization history for a patient	
URL	https://fhir.prn.cloud.tebra.com/fhir-request/Immunization	
Method	GET	
PARAMETERS	DESCRIPTION	REQUIRED
patient	All immunization history for a patient	Yes

Implantable Device

REQUEST		
Device	Retrieves all Implantable Device information for a patient	
URL	https://fhir.prn.cloud.tebra.com/fhir-request/Device	
Method	GET	
PARAMETERS	DESCRIPTION	REQUIRED
patient	All UDI information for a specific patient	Yes

Laboratory Result Observation

REQUEST		
Observation Laboratory	Retrieves all results for a patient under the laboratory category	
URL	https://fhir.prd.cloud.tebra.com/fhir-request/Observation	
Method	GET	
PARAMETERS	DESCRIPTION	REQUIRED
patient + category	All lab results identified by laboratory category	Yes
patient + category + date	All lab results within laboratory category and for a specific date	No
patient + code	All lab results for a specific observation code (e.g., ketones)	No

Location

REQUEST		
Location	Retrieves a location associated with a patient	
URL	https://fhir.prd.cloud.tebra.com/fhir-request/Location	
Method	GET	
PARAMETERS	DESCRIPTION	REQUIRED
name	All location resources that match a name	Yes
address	All location resources that match the address	No

Medication

REQUEST		
MedicationRequest	Retrieves medication, in conjunction with MedicationRequest query	
URL	https://fhir.prn.cloud.tebra.com/fhir-request/Medication	
Method	GET	
PARAMETERS	DESCRIPTION	REQUIRED
N/A	N/A	N/A

Medication Request

REQUEST		
MedicationRequest	Retrieves medication history for a patient	
URL	https://fhir.prn.cloud.tebra.com/fhir-request/MedicationRequest	
Method	GET	
PARAMETERS	DESCRIPTION	REQUIRED
patient + intent	All medications with a specific intent code (e.g., order)	Yes
patient + intent + status	All medications with a specific intent code and status code (e.g., active)	No

Observation

REQUEST		
Observation	Retrieves observations for a specific patient; may include any of the following: <ul style="list-style-type: none"> • Diastolic Blood Pressure - Blood pressure systolic and diastolic (FHIR Core Profile) • Systolic Blood Pressure - Blood pressure systolic and diastolic (FHIR Core Profile) • Body Height - Body height (FHIR Core Profile) • Body Weight - Body weight (FHIR Core Profile) • Heart Rate - Heart rate (FHIR Core Profile) • Respiratory Rate - Body temperature (FHIR Core Profile) • Body Temperature - Body temperature (FHIR Core Profile) • Pulse Oximetry - US Core Pulse Oximetry Profile (Builds on FHIR Core Profile) • Inhaled Oxygen Concentration - US Core Pulse Oximetry Profile (Builds on FHIR Core Profile) • BMI Percentile (2-20 years old) - US Core Pediatric BMI for Age Observation Profile (Builds on FHIR Core Profile) • Weight-for-Length Percentile (Birth-36 months) - US Core Pediatric Weight for Height Observation Profile (Builds on FHIR Core Profile) • Occipital-frontal Head Circumference Percentile (Birth-36 months) - US Core Pediatric Head Occipital Frontal Circumference Observation Profile (Builds on FHIR Core Profile) • Smoking Status 	
URL	https://fhir.prd.cloud.tebra.com/fhir-request/Observation	
Method	GET	
PARAMETERS	DESCRIPTION	REQUIRED
patient	All observations for a specific patient	Yes
patient + code	All observations for a specific patient with a specific code (85354-9 for blood pressure)	No
PARAMETERS	DESCRIPTION	REQUIRED
patient + category	All observation for a specific patient within a specific category (e.g., vital signs)	No
patient + category + date	All observation for a specific patient within a specific category (e.g., vital signs) and a specific date	No

Organization

REQUEST		
Organization	Retrieves organization associated with a patient or a provider	
URL	https://fhir.prd.cloud.tebra.com/fhir-request/Organization	
Method	GET	
PARAMETERS	DESCRIPTION	REQUIRED
name	All organization resources matched to an organization's name	Yes
address	All organization resources matched to an organization's address	No

Practitioner

REQUEST		
Practitioner	Retrieves basic demographics about a practitioner	
URL	https://fhir.prd.cloud.tebra.com/fhir-request/Practitioner	
Method	GET	
PARAMETERS	DESCRIPTION	REQUIRED
name	All demographics for a practitioner identified by name	Yes
identifier	All demographics for a practitioner identified by an identified (e.g., NPI)	No

Practitioner Role

REQUEST		
PractitionerRole	Retrieves the role of a practitioner	
URL	https://fhir.prd.cloud.tebra.com/fhir-request/PractitionerRole	
Method	GET	
PARAMETERS	DESCRIPTION	REQUIRED
specialty	Practitioner identified by specialty	No
practitioner	Practitioner identified by any part of a name	No

Procedure

REQUEST		
Procedure	Retrieves procedures associated with a patient	
URL	https://fhir.prd.cloud.tebra.com/fhir-request/Procedure	
Method	GET	
PARAMETERS	DESCRIPTION	REQUIRED
patient	All procedures for a specific patient	Yes
patient + date	All procedures for a specific patient and a specific date	No

Provenance

REQUEST		
Provenance	Retrieves author and date information for elements of a patient's EHI	
URL	https://fhir.prd.cloud.tebra.com/fhir-request/Provenance	
Method	GET	
PARAMETERS	DESCRIPTION	REQUIRED
patient + revinclude = Provenance	Retrieves resources for a specific patient	Yes
id + revinclude = Provenance	Retrieves resources for a specific US Core Profile resource type	No

Common Error Codes

Tebra makes every effort to ensure the FHI API works correctly. If there is an issue, the FHIR API will return standard HTTP error messages. The most common are listed below.

Client Errors

- Check your API request for misspellings and other incorrect syntax.
- Verify the request has a valid token and matches the request.
- Compare the request with the list of supported FHIR resources and scopes.

CODE	MESSAGE	DESCRIPTION
400	Bad Request	The server cannot process the request due to an apparent client error.
401	Unauthorized	The required authentication failed or was not provided.
403	Forbidden	A valid request was received but refused by the server. Typically, this is due to the user not having the necessary permissions for the specified resource.
404	Not Found	The requested resource could not be found.
408	Request Timeout	The server timed out waiting for the request.
429	Too Many Requests	Too many requests have been sent in a given time period.

Server Errors

In case of a server error, wait a few minutes before sending another request.

CODE	MESSAGE	DESCRIPTION
500	Internal Server Error	A generic error message for an unexpected condition.
502	Bad Gateway	The gateway proxy server received an invalid response from the upstream server.
503	Service Unavailable	The server cannot handle the request, typically because it is overloaded or down for maintenance.
504	Gateway Timeout	The gateway/proxy server did not receive a timely response from the upstream server.



The Digital Backbone for Practice Success

Tebra is the digital backbone built for both patient and provider well-being. From practice growth technology to clinical and financial software, our complete operating system is structured to modernize every step of the patient journey and support the connected practice of the future.