# CMS 2022 - 07 Blue Button 2.0 API Introduction and Workshop

## Short Description

Blue Button 2.0 API Introduction and workshop (July 20, 1-5PM ET/10-2PMPT)

## Long Description

Join us for an interactive session to learn about the Blue Button 2.0 API - a publicly available FHIR R4 API that provides coverage and claims data for Medicare beneficiaries. Get hands-on experience with the Blue Button 2.0 API and the CARIN Implementation Guide.

### Workshop topics

- Blue Button 2.0 overview and common uses
- Making API calls using our developer sandbox and Postman collections
- A live, interactive demo of our new SDKs for Python and Node.js developers

### Get expert help

Our team of developers and FHIR specialists will answer questions about developing on the API and best practices.

### Start learning now

- Blue Button 2.0
- Medicare’s Blue Button apps
- FHIR 101 intro video

### How to register

Complete the CMS HL7 FHIR Connectathon registration form and select the “CARIN Blue Button” track. The Blue Button 2.0 API workshop is a session within CARIN Blue Button track.

### What is Blue Button 2.0?

Blue Button 2.0 is a standards-based application programming interface (API) that delivers Medicare Part A, B, and D data for over 60 million people with Medicare. Our goal is to help healthcare and research organizations connect to Medicare claims data and deliver better outcomes for Medicare beneficiaries.

## Type

Informative and interactive hands-on session

## Track Lead(s)

Rachel Lorenz

## Track Lead Email(s)

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## Specification Information

Although the Blue Button 2.0 API does follow the CARIN Consumer Directed Payer Data Exchange (CARIN IG for Blue Button) Implementation Guide, knowledge about the implementation Guide is not required for this session.

## Call for participants

Developers and consumer-facing apps
A recording of the call can be found here: https://leavittpartners.zoom.us/rec/share/uSjJucKS-DQTk915jij-6PcDyDFoMVUlrQEvjA-bs6FSf1LF_tgV4zul1RG8fh.D6X3OcWhaSaz4ywH
Passcode: 2W?7s+&D0

Blue Button Track...n Call 062122.pdf

7/20/2022 Agenda:
1:30-2 ET/10:30-11 PT
Introduction to CMS Blue Button 2.0 API: Join us as we talk through the capabilities, use cases and history of CMS’ Blue Button API. We will also discuss new features that will be coming soon to the Blue Button 2.0 API and developer community.

2-3:15 ET/11-12:15 PT
Try the Blue Button 2.0 API: During this hands-on session, participants will be able to create Sandbox accounts and use Postman collections to run FHIR queries and return synthetic data from the API. Learn how to interpret the data and leave with a deeper understanding of how claims data can be used in beneficiary-facing applications.

3:15-4:15 ET/12:15-1:15
Live demo of Python SDK: Listen in as one of our developers gives a live walk-through of our new Python SDK to get developers up and running faster. The SDK was built to help streamline development against the Blue Button API, making implementation easier.

4:15-5 ET/1:15-2 PT
Office Hours with the Blue Button 2.0 API team: This is your opportunity to ask your questions in an open forum with the Blue Button 2.0 API. Questions, comments, and feedback are all welcome during this session.

Background information on Blue Button 2.0

- **BlueButton 2.0 API**
  - The Blue Button 2.0 API is a FHIR R4, developer-friendly, standards-based API that enables Medicare beneficiaries to connect their claims data to applications, services and research programs they trust.
  - The API offers the following FHIR resources on a beneficiary-by-beneficiary basis:
    - Explanation of Benefit
    - Patient
    - Coverage
  - To access their data, beneficiaries must download a 3rd party application, then authorize the app to retreive their data. Beneficiaries can revoke access at any time via Medicare.gov or by contacting the 3rd party application.
  - The Blue Button 2.0 API conforms to the CARIN Blue Button IG STU1 (See below)
  - The team that develops the API and manages production app access is a part of the Data Analytics and Strategy Group (DASG) under the Office of Enterprise Data and Analytics (OEDA) at CMS.

- **CARIN Consumer Directed Payer Data Exchange (CARIN Implementation Guide for Blue Button®)**
  - The CARIN (Creating Access to Real-time Information Now through Consumer-Directed Exchange) Alliance is an HL7 FHIR Accelerator program which brings implementers together to advance the use of HL7 FHIR standards in health care. The CARIN Alliance Health Plan Workgroup was organized to develop a FHIR-based API that could be implemented by a consumer-facing application. The CARIN for Blue Button Framework was designed to answer the challenge for health plans to 'meet or exceed' the CMS Blue Button 2.0 capabilities. The CMS Blue Button® 2.0 project provides over 53 million Medicare fee-for-service beneficiaries access to their electronic claims information.
The goal of the CARIN Alliance Health Plan Workgroup is to develop an agreed upon set of data fields to exchange with consumers and a FHIR-based implementation guide for health plans and consumer facing applications to use to implement the API.

Consumer-directed exchange occurs when a consumer or an individual authorized by a Payer to access another person’s information, invokes their HIPAA Individual Right of Access (45 CFR 164.524) and requests their digital health information from a HIPAA covered entity (CE) via an application or other third-party data steward.