

Q3 2019 CARIN Community Meeting

SEPTEMBER 12, 2019



LEAVITT
PARTNERS

Agenda	
Welcome, Anti-Trust Reminder, and New Members Admitted <i>Dave Lee, Leavitt Partners</i>	12:00pm – 12:05pm
Leadership Perspective <i>Aneesh Chopra, Care Journey</i>	12:05pm – 12:15pm
Patient and Caregiver Perspective <i>Dave deBronkart</i>	12:15pm – 12:20pm
CARIN Alliance – Accomplishments and Plans <i>Ryan Howells, Leavitt Partners</i>	12:20pm – 12:35pm
CARIN Blue Button® draft implementation guide <i>Amol Vyas, Cambia</i> <i>Ryan Howells, Leavitt Partners</i>	12:35pm – 1:25pm
Break	1:25pm – 1:35pm
CARIN Real-Time Pharmacy Benefit Check <i>Pooja Babbrah, Point of Care Partners</i> <i>Dave Lee, Leavitt Partners</i>	1:35pm – 2:15pm
CARIN Code of Conduct <i>Ryan Howells, Leavitt Partners</i> <i>Dave Lee, Leavitt Partners</i>	2:15pm – 2:45pm
Public Policy Update on Consumer Privacy Initiatives	2:45pm – 2:55pm
Next Steps	2:55pm – 3:00pm
Adjourn	3:00pm

General Membership Update – New and In Process CARIN memberships

Alphabet/Google Health/Verily

Anthem

BlueCross BlueShield of Arkansas

BlueCross BlueShield of Minnesota

Blue Shield of California

Cognizant

CVS Health

The Commons Project

Envision RX

HealthLX

Humetrix

IBM Watson Health

Intersystems

Merck

Premera Blue Cross

Prime Therapeutics

Prominence Health Plan

Samsung

Symptomatic

UPMC

Leadership Perspectives

ANEESH CHOPRA

Patient Perspective

DAVE DEBRONKART

CARIN Alliance – Accomplishments and Plans

RYAN HOWELLS

1. CARIN Blue Button 2.0 API

CARIN Blue Button FHIR API Implementation Guide: <https://build.fhir.org/ig/HL7/carin-bb/toc.html>

HL7 Confluence page: <https://confluence.hl7.org/pages/viewpage.action?pageId=55941223>

HL7 Connectathon track: <https://confluence.hl7.org/display/FHIR/2019-09+CARIN+Blue+Button>

Meets Mondays at 2:30ET

2. Trust Framework and Code of Conduct

CARIN Code of Conduct: <https://bit.ly/2LObbw9>

Meets third Friday of each month at 2:00

3. Real-time Pharmacy Benefit Check API

At the point of dispensing: Person-centric F&B info, OOP Cost, Therapeutic Alternatives, & Cash Price (GoodRx)

HL7 Confluence page: <https://confluence.hl7.org/display/CAR/RTPBC+Project>

HL7 Connectathon track: <https://confluence.hl7.org/pages/viewpage.action?pageId=58654805>

Meets second and fourth Friday of each month at 3:00

4. Post-Acute Care API (managed by MITRE)

Cognitive and Functional status for post acute care patients. CMS' Data Element Library <http://pacioproject.org/>

Various calls each Wednesday; contact LP or MITRE

5. Digital Identity and Consent

ID proofing and Authentication *across* providers and health plans, Trust & Federation, Consent, & Matching

Meets fourth Friday of each month at 2:00

6. Policy

Meets fourth Friday of each month at 2:00

Representative Attendee Organizations (30)

All Clear ID, AARP, American Association of Motor Vehicle Administrators (AAMVA), b.Well Connected Health, BCBSA, Boston Children's Hospital, Cambia Health Solutions, Capitol One, CMS, Cerner, Coral Health, Direct Trust, Dr. First, EMR Direct, Epic, Humana, ID.me, IPRD/Gates Foundation, Kaiser Permanente, Kantara Initiative, Lush Group, My PatientLinks, New Jersey Health Information Exchange, Northwestern University, The Office of National Coordinator (ONC), The Pew Foundation, Regenstrief, Sage BioNetworks, Sequoia Project, Singular Key, Inc., United States Digital Service, Venable, VISA

Major Questions

- How do we identify unique users across systems using person-centric mobile technologies?
- How do we securely authenticate individuals across systems using modern, open standards?
- Once a patient is identified at one organization, how do we cross-facility match a patient to their records?
- What does a consumer-directed, electronic federated consent approach look like?

There were 10 'toolbox' presentations that addressed potential solutions to the five problems surfaced: (1) identity, (2) authentication, (3) trust & federation, (4) consent, and (5) matching. See [companion document](#) for copies of the presentations.

NEXT STEPS

Investigate a proof of concept, identify pilot partners, and explore funding opportunities

Release of the CARIN Blue Button® draft implementation guide announced @ White House

Volunteer participants in real-world testing

Sheryl Turney, Anthem, Inc.

Ricky Bloomfield, MD, Apple

Kristen Valdes, b.well

Jim Adamson, BlueCross BlueShield of Arkansas

Kari Hedges, BlueCross BlueShield Association

Somesh Nigam, BlueCross BlueShield of Louisiana

Dr. Patrick Conway and Robert Emerson, BlueCross BlueShield of North Carolina

Nick Coussoule and Heather Kennedy, BlueCross BlueShield of Tennessee

Jennifer DeAngelis and Karen Xie, Blue Shield of California

Laurent Rotival, Cambia Health Solutions / Regence BlueCross BlueShield

Amit Shah, Florida Blue

Aashima Gupta, Joe Corkery and Ilia Tulchinsky, Google

Heather Cox, Humana

Claudia Williams and David Kates, Manifest MedEx

Dr. Josh Mandel, Microsoft

Dr. Greg Robinson, Marshfield Clinic Health System-Security Health Plan

Upen Patel, Prominence Health Plan

Scott Haas, UPMC Health Plan

Jessie Tenenbaum and Corey Mercy, State of North Carolina

Cathie Ott, State of Washington

TECH

Big Tech is teaming up with health care companies to make it easier for you to see your health history

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KEY POINTS

- Representatives from the big tech companies and health plans said they're committed to helping consumers get access to their medical claims information via an app of their choosing, such as Apple's health records service.
- Some of the real-world applications being tested, according to those who attended the event, include fraud detection and helping consumers avoid paying erroneous bills.



1. Register for the September 14-15 Connectathon [here](#)
2. Please also register using this link for the [Pre-Connectathon Survey](#) and provide your track selection so that HL7 can connect you with your track lead and plan space accordingly
3. **Onsite HL7® FHIR® Connectathon Planning Session for both CARIN implementation guides**
Saturday, September 14th from 9am – 10am in Room M104 and M105
4. Please familiarize yourself with the RTPBC track page [here](#) and Blue Button track page [here](#) which includes the documents and data for the Connectathon.
5. If you are attending the RTPBC track, please add your name to the RTPBC [track participant sheet](#). If you are attending the Blue Button track, please add your name to the Blue Button [track participant sheet](#)
6. **Onsite HL7® FHIR® Connectathon Debrief for both CARIN implementation guides**
Sunday, September 15th from 3pm – 5pm in Room M101
7. Zulip [chat](#) to coordinate efforts
 - #CARIN Blue Button and #CARIN Real-time Pharmacy Benefit Check IG

CARIN Blue Button[®] updates and common app registration process

1. **Source System to FHIR[®] mapping**
 - CARIN's work with Cognizant / TriZetto
2. **Source System to X12[™] to FHIR[®] mapping**
 - CARIN's work with Cathy Sheppard, Executive Director of X12[™]
3. **Application Registration Process (sample approach)**
 - Register your application and company contact information
 - Register for the developer's sandbox and providing the client secret
 - Publishing developer documentation (OAuth 2.0, Open ID connect, etc.)
 - Review application's terms and conditions
 - Application attestation to the CARIN Code of Conduct
 - Application demo (optional)
4. **Centralized Application Registration Utility Playbook (Need to discuss)**
 - Common registration approach (public/private) that includes a common app review process
 - Many companies can help build the technology, but they would build it similarly
 - Fully delegated authority for the health plans to turn on/off application access
5. **Centralized, publicly available FHIR[®] API end point directory**
6. **Centralized list of third-party applications who has connected with providers/plans**



A Roadmap for Advancing Consumer-directed Exchange

	WHAT WE HAVE THAT NEEDS TO SCALE	WHAT WE STILL NEED
POLICY	CARIN Code of Conduct	Expanded MPN questionnaire Independent Application Certifiers
CONTENT	Consensus-based FHIR IGs and Rigorous Testing (CARIN, DaVinci, Argonaut, Gravity, MCode, PACIO) Consensus-approaches to common problems	Analysis between HL7® FHIR® Accelerator projects & total available consumer-data elements
TRUST	NIST 800-63-3 – Digital Identity Credentials Open Standards (OpenID Connect, OAuth 2.0, FIDO2) Certification of Identity Providers	Agreed upon ID federation principles across sectors Agreed upon RLS principles across sectors
REGISTRATION	Centralized registration that enables the application to access all of the HL7® FHIR® client end points	Common Registration utility for all plans Centralized list of HL7® FHIR® API end points Common way to inventory consumer apps
METRICS	Total # of Available compliant HL7® FHIR® end points Total # of Available connected applications	Tracking these measures over time

CARIN Blue Button[®] draft implementation guide

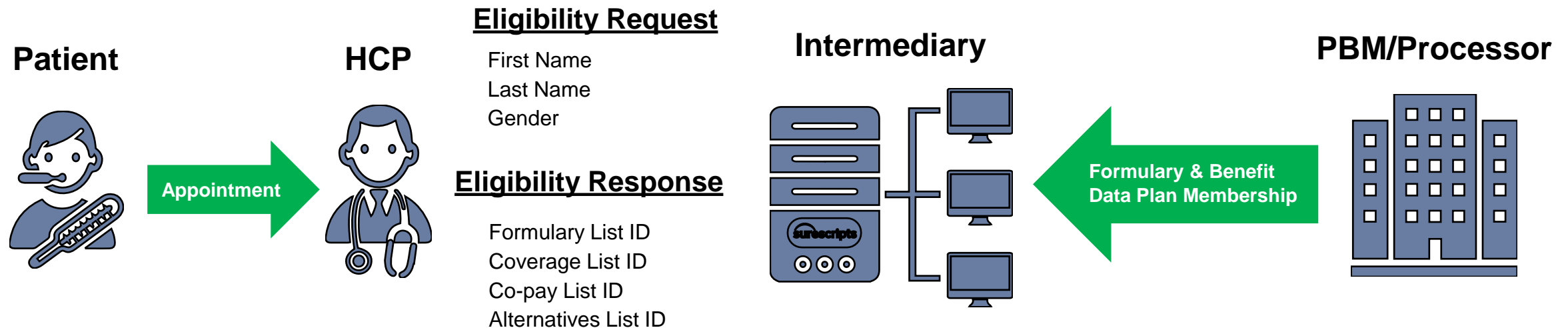
AMOL VYAS AND RYAN HOWELLS

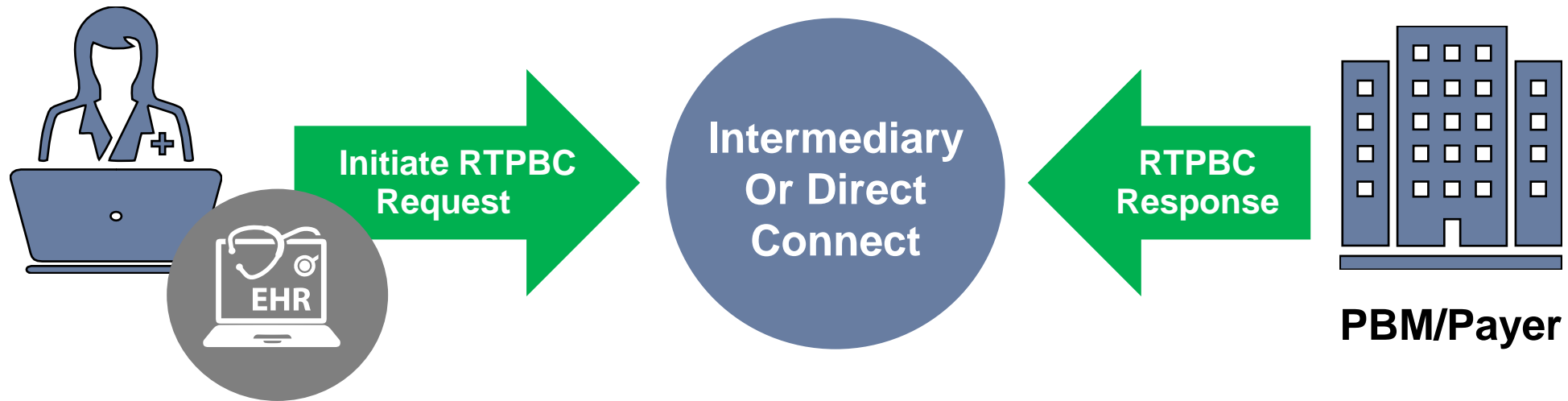
BREAK

RTPBC Background

Challenges with accuracy of current Formulary & Benefit data led to a search for a better solution

- Formulary data is based on “Plan-” or “Group”-level; not patient specific
- Prior Authorization flag often missing or inaccurate
- Formulary tier/preferred level often not accurately displayed for HCP
- Issue is payer providing the data, not the standard





Prescription covered by benefit:

- Patient financial responsibility

Prescription not covered by benefits:

- Reason for Denial
- Alternatives
- Coverage Limits
- PA required
- Step therapy
- Drug Utilization Review (DUR) alert

Policy drivers

- *Patients Right to Know Drug Prices Act* – December 2019
- Real-time Benefit Tool Final Rule
- CMS NPRM (Formulary and Benefit information)

Approach

- Co-branded Implementation Guide (Co-branded between NCPDP and HL7)
- HL7 FHIR-based API for third-party application access to include: Formulary and benefit information, OOP cost information, Therapeutic alternatives, Cash/Discount price alternatives (e.g., GoodRx)
 - HL7 Connectathon Sept. 14 – 15 to finalize FHIR transaction approach
- NCPDP standard in process for B2B transaction; Project Development Form for consumer-facing use case to be presented at November Workgroup Meeting
 - Beta transaction for B2B approved at August Workgroup; Balloting timeframe (Sept. 13 – Oct. 28)

- Reviewed **nine** potential use-cases currently in production
- Discussed lessons learned from B2B implementations
- Finalized **two** use cases for initial Implementation Guide
- Confirmed SMART App Launch Framework for authentication
 - Regulations require covered entity to ensure an individual (not a service) is the one making the request for their information via the individual right of access request
- Agreement to develop **one API** for both the PBM/Payer and Cash/Discount vendor requests
- Finalized initial mandatory and optional fields for request and response
- Developed two sample transactions to test head to head at Sept. Connectathon
- Finalized timeline for initial IG release

Overview: Consumer has been prescribed a medication and is looking up the prescription price and/or formulary/benefit information and potentially a location to dispense their prescription on a stand-alone app. Two initial use cases:

1. Lowering patient out-of-pocket cost for initial prescription fill
2. Pricing alternatives for an existing prescription

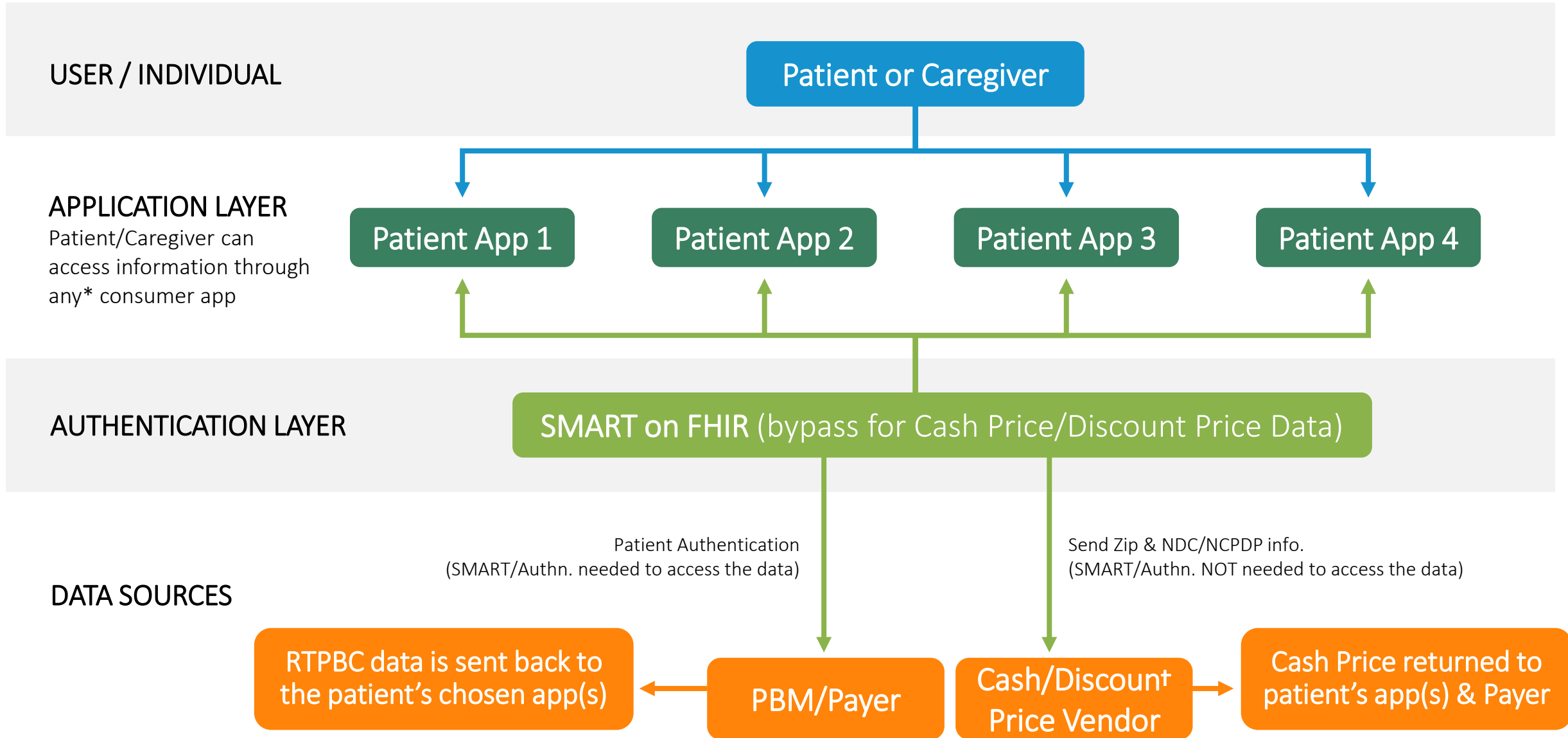
Objectives:

- Consumer wants to understand their Rx out of pocket cost, which includes deductible, donut hole, etc.
 - Include verbiage that says the OOP costs are based on an estimation based on a point in time
- Consumer wants to understand their formulary and benefit information (There will be a covered or not covered indicator sent to the member; there is also an explanation as to why it's not covered)
- Consumer wants to understand who their prescribing provider is
- Consumer wants to determine their price alternatives, which includes their cash price (GoodRx)
- Simplify or eliminate the prior authorization process
- Determine the therapeutic alternatives that are covered
- Determine any step therapy that may be required

Workflow

- Consumer chooses app which has the ability to access the consumer-facing RTPBC
 - Application manages the medication list (FHIR etc.) or allows for medication look up feature
- Consumer enters the name of the drug and the application displays the Formulary and Benefit information and out of pocket cost information
 - App will send the prescription information (representative NDC, actual NDC or RxNorm)
- PBM will return the appropriate information (the application will choose from the following)
 - Current RTPBC data based on objective
- Cash pricing app will return cash pricing information per pharmacy based on the functionality within the end user's application
 - NDC/NCPDP information
 - Zip Code

Patient-Facing Real-Time Pharmacy Benefit Check Overview



- Gather feedback from PBM/Payers, Cash/Discount Vendors and mobile app developers on two FHIR API approaches at upcoming Connectathon
 - Connectathon: Sept 14 – 15
- Finalize approach and develop Implementation Guide
- Shepherd Implementation Guide through the HL7 Ballot Process
 - Expected approval of Draft Standard for Trial Use (DSTU) – February 2020
- Submit Project Development Form for consumer-facing use case at NCPDP
 - Expected approval for use case – November 2019
- Continue to develop additional use cases and address parking lot items

CARIN Code of Conduct

RYAN HOWELLS AND DAVE LEE

Key Principles in the Code of Conduct

I. Informed Choice

- **Well informed** consumers who make an **intentional decision** is the best way for consumers to direct their health information

II. Application Attestation

- Applications should attest to and be held accountable for a set of **structured, consistent, and reportable** responses regarding how they plan on using consumer's data

III. Purpose Specification

- Consumers should have the ability to **specify the purposes** in which their data can be used by an application



Recent Updates and Needed Additions

- Additional clarity on scope of the code
- Harmonization of terms
- Need additional clarification on some definitions
- Need additional work on the questionnaire
 - https://docs.google.com/document/d/1_dqqYcsVHY3Ab2Y40qfrnDtaypW2brbjLcLfmDLUmZU/edit?usp=sharing
- Need to simplify the questionnaire and make it more visual to the consumer similar to a 'nutrition label'

Implementation Partners (sampling)

- VHA
- Carequality
- CMS
- EHRs / Health Plans
- Consumer Platforms

Public Policy Update on Consumer Privacy Initiatives

Policy Workgroup: Privacy

- Meetings with sponsors of new consumer-facing privacy legislation
- Meetings with Committees of Jurisdiction on privacy policy options
- Meetings with OCR and ONC and operationalization of HIPAA Individual Right of Access and consumer
- We continue to work to find time with a smaller group to discuss how and if we engage in broader privacy activity, 42 CFR Part 2 reform or other privacy activities

Next Steps