

CARIN Alliance: Developing Consumer-facing FHIR APIs for Blue Button and Real-time Pharmacy Benefit Check (Let's Build!)

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The CARIN Alliance

Our Vision

To rapidly advance the ability for consumers and their authorized caregivers to easily get, use, and share their digital health information when, where, and how they want to achieve their goals.

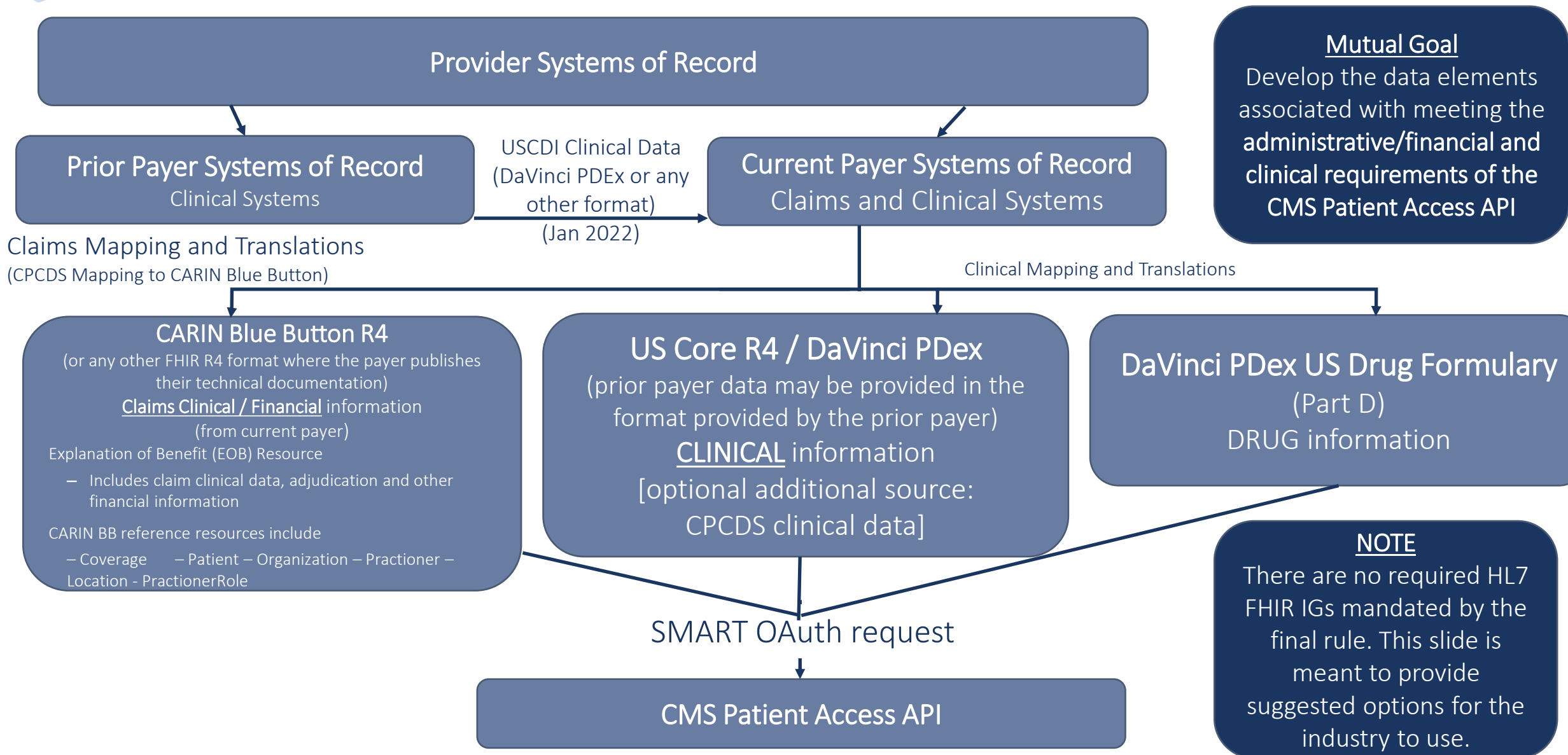


*Sample list of CARIN members. For a full list of the CARIN board and members go to: <https://www.carinalliance.com/our-membership/carin-board-participants/>



CMS Patient Access API =

CARIN Blue Button R4 (CPCDS) + US Core R4 (USCDI) + DaVinci PDex US Drug Formulary (Part D)





What is UDAP?



<http://www.udap.org>

- Profiles to scale the FHIR ecosystem
 - Trusted Dynamic Client Registration
 - Client App Authentication and Authorization
 - User Authentication
 - Certifications and Endorsements
- Open Standard
- Built on OAuth 2.0, OIDC, PKIX, JWTs, digital signatures
- Used in CARIN BB IG, Da Vinci HRex, ONC FHIR at Scale Taskforce Security (FAST), others...

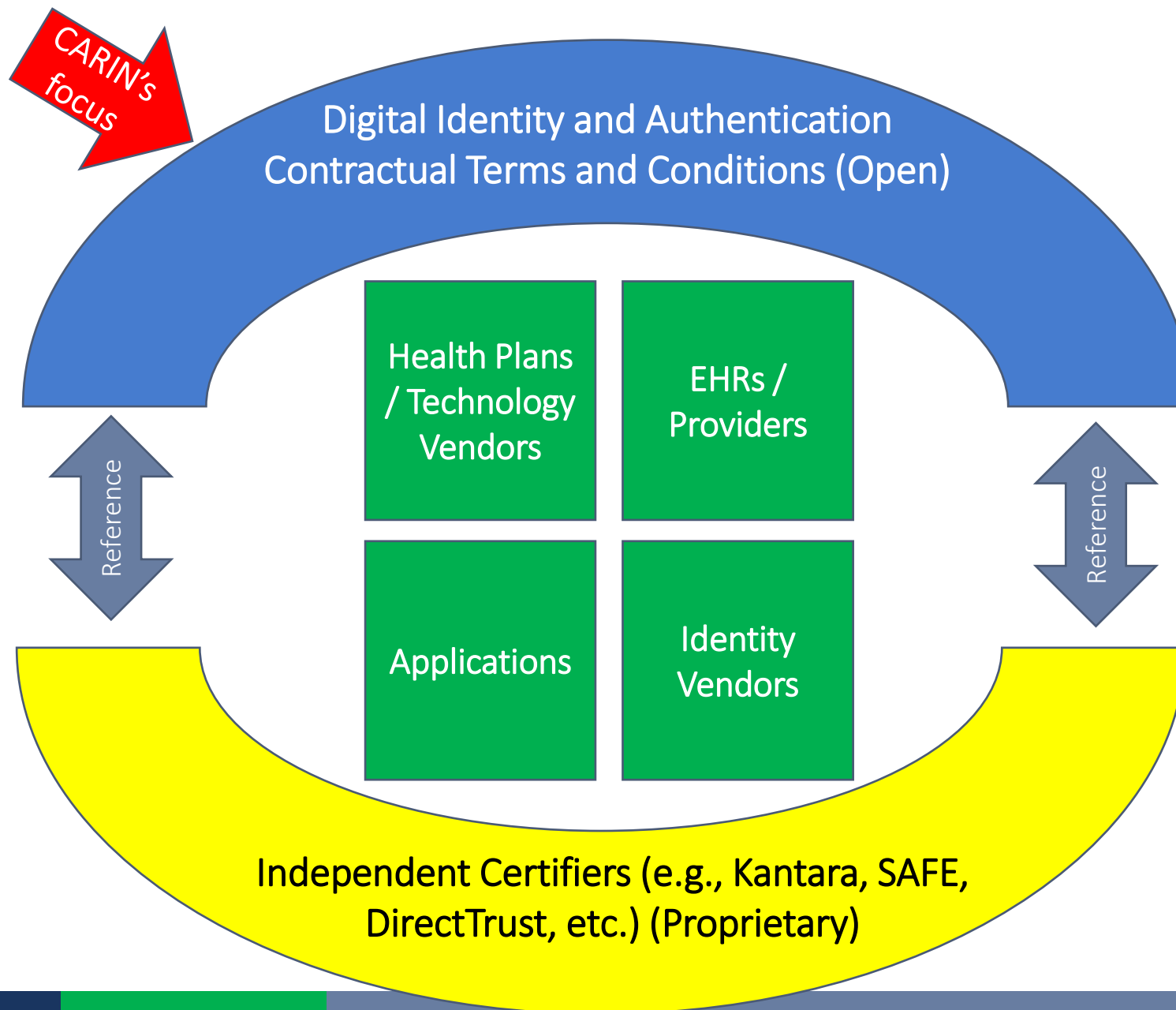


Why UDAP?

- **The ‘Application Store’ business is not core to what health plans do**
 - The industry needs to establish policy and technology ‘trust’ in the market
 - We need to streamline the registration and onboarding process
 - Let’s provide private sector incentives for applications who follow industry ‘best practices’ like the CARIN code of conduct
- **Interoperability and data sharing is now required, not optional; therefore how do we scale?**
 - How do we make connecting easier for trusted partners to connect?
 - Can we streamline and simplify registering the hundreds of applications that will come online
- **Need a policy and technology digital identity federation model**
 - APIs are great but they don’t live up to their potential without individuals creating a trusted digital identity credential which they manage and control
 - The industry needs to then develop a federated trust agreement so individuals can use their digital credential across multiple platforms
 - We can leverage existing open standards (e.g., Open ID Connect, OAuth 2.0, etc.) per the CMS/ONC final regulations



Digital Identity Federation Trust Agreement Framework



Talking Points

- Contractual terms would be an open, consensus process
- Ideally, contractual terms would be built into the TEFCA / Carequality (e.g., common agreement) or other HIN for those who voluntarily want to participate
- Contractual terms would require an independent certifier to validate the credentialing service provider
- Health care actors would use the contractual terms, independent certifying requirements, or a mixture of both



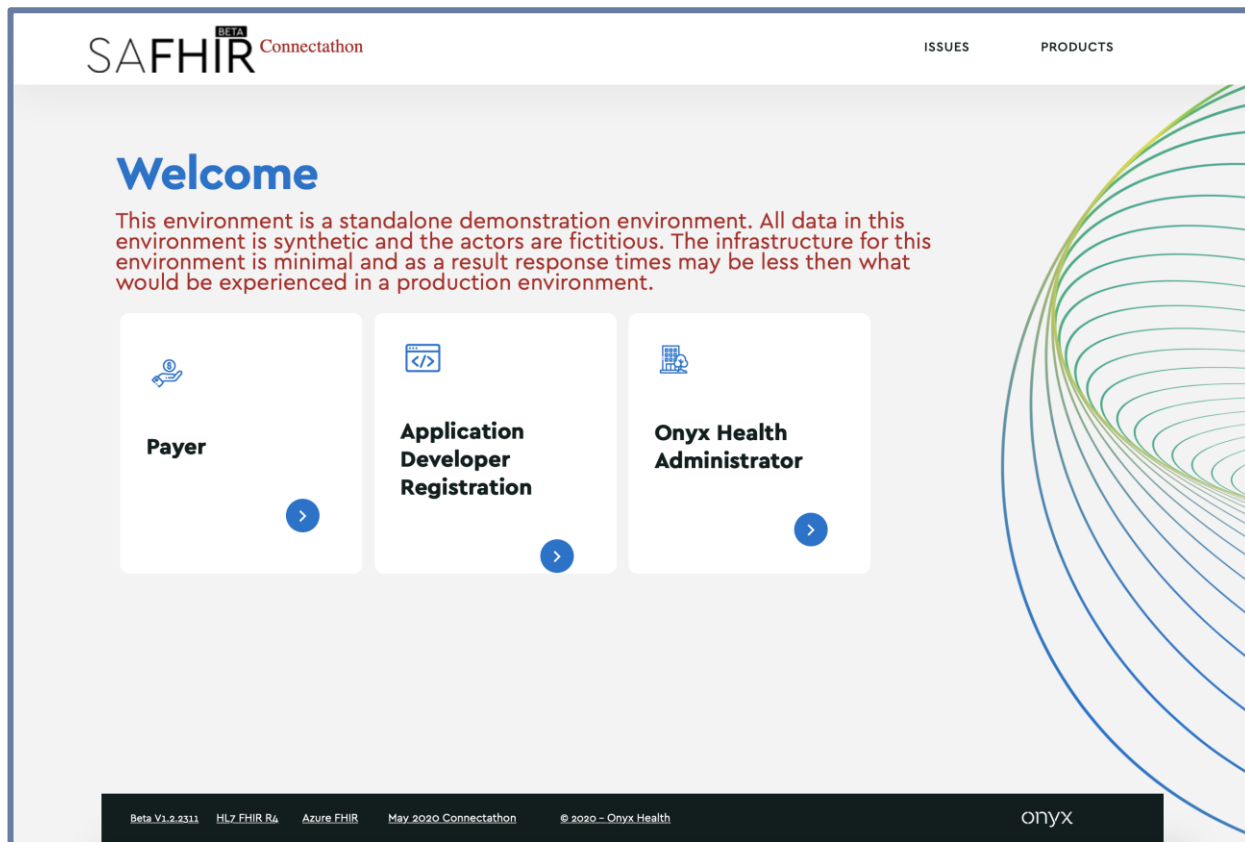
The Interoperability Solution for Payers

The Secure Architecture For FHIR





Demonstration



The screenshot shows the SAFHIR Connectathon website. At the top left is the logo 'SAFHIR ^{BETA} Connectathon'. To the right are links for 'ISSUES' and 'PRODUCTS'. The main heading is 'Welcome' in blue. Below it is a red paragraph: 'This environment is a standalone demonstration environment. All data in this environment is synthetic and the actors are fictitious. The infrastructure for this environment is minimal and as a result response times may be less than what would be experienced in a production environment.' There are three white cards with blue icons and right-pointing arrows: 'Payer' (person icon), 'Application Developer Registration' (code icon), and 'Onyx Health Administrator' (gears icon). The footer contains technical details: 'Beta V1.2.2311 | HL7 FHIR R4 | Azure FHIR | May 2020 Connectathon | © 2020 - Onyx Health' and the 'onyx' logo.

Demonstrate

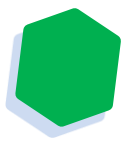
<https://bit.ly/safhir-connectathon>



Diamond Health Members

Name	User Name	Password
Armandina Streich	dmnd0013219	du0013219!
Blanche Lang	dmnd0013202	du0013202!
Natalia Terán	dmnd0013105	du0013105!
Milan Labadie	dmnd0013343	du0013343!
Cristian Mondragón	dmnd0013104	du0013104!

<https://bit.ly/safhir-connectathon>



Questions and Answers

What questions do you have for the. . .

- CARIN Blue Button team?
- CARIN Consumer-facing Real-time Pharmacy Benefit team?
- SAFHIR team?
- UDAP team?
- Digital Identity team?



Smart on Value

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