CMS Connectathon

CARIN IG for Digital Insurance Card Report Out
Track Leads

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If you have questions, please email or send a Zulip chat message!
## Participants

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b.Well Report Out

b.Well participated as PHR/wallet/patient apps, consumer facing App

Preparation ahead of Connectathon:

- Successfully validate the following scans:
  - smarthealth_shic_shl1.png
  - smarthealth_shic_shl1..png
  - carin_insurance_example_shl.png
  - baur_shl.png
  - shl-expired-revoked.png
  - shl-expired.png
- Retrieved Cigna digital insurance card/ QR code
- Saved the information in User profile in b.well App
b.Well Demo

Use case: b.well customer has the digital insurance card in application to present at the provider's office. This can also be used for pre-check in.

Welcome, Test!
Connect your health records, track your healthcare, get insights, and manage your privacy and security settings here.

Get started with a quick walkthrough and set up of our features.

Suggested activities
- Connect Your Insurance
- Track your claims, annual deductible progress and out of pocket costs in one digital spot
- How to Reduce or Stop Snoring
  Adjust your sleep positions and other tips to cut down on snoring when you sleep.

Insurance Coverage
✓ Card data indicates that coverage is ACTIVE today

Subscriber: CIGNA123456
Effective Date: 01/01/2023

Coverage Window: From 1/1/2023

Plan Numbers:
- Group: 6950438
- Plan: PPO Choice 320/420
- Value: 61,181
- Network: CIGNA
- Regency:

Paper: Cigna HealthCare

Cost to Beneficiary:
- In-Network Deductible: $0, $1,000.00
- Out-of-Network Deductible: $4,400.00
- In-Network Out of Pocket Maximum: $4,400.00
- Out-of-Network Out of Pocket Maximum: $11,000.00
- Office Visit Copay: 15%
- Specialized Office Visit Copay: 15%
- Urgent Care: 15%
- In-Network Co-insurance: 65%
- Out-of-Network Co-insurance: 55%
- Prescription: Yes
- Emergency Copay: 15%

Digital Wallet
Primary Health Insurance
Add new card
The Commons Project
The Commons Project Report Out

- Built a quick proof of concept that is able to scan a digital insurance card QR code or upload the QR file and then render the information within the application.
- The digital insurance card stores the digital insurance card in the CommonHealth application acting as a digital wallet for the patient.
- The user can then display the QR code at a provider's office and resolve all of their insurance information instead of having to type in their information into a kiosk for example.
- The user can also use the digital insurance card as a digital "pre check in" scenario.
The Commons Project Demo

CommonHealth

Add SMART Health Card

SMART Health Cards are a new format for health data that makes it easy to share and verify important records like vaccinations or lab results.

Learn more

Insurance SMART® Health Card
Brandon Nuckolls
From Unknown Issuer, Apr 13, 2023

SMART Health Card
Insurance SMART® Health Card
https://www.cigna.com/smarthealth/demo

NAME
Brandon Nuckolls
DATE OF BIRTH
April 1, 1985

Payor
Cigna HealthCare

Plan Name
HSA Saver 1700/3400

ID
U29762582 01

Group
0239586

Show QR Code

Share

SMART Health Cards...
✓ Hold important vaccination or lab report data
✓ Can be scanned to verify the information

Add Health Card

Insurance SMART® Health Card
Brandon Nuckolls
From Unknown Issuer, Apr 13, 2023

Add this Card to your health record

Make sure this is your card or the card of a dependent such as a child, elderly parent, or other person whose health records you are managing.

Yes, Add This Card

No, Don't Add It

HC7 FHIR CMS
Flexpa
**Flexpa Report Out**

- Goal in attending today was to validate the difficulty of implementing a SMART Health Link reader for Digital Insurance Cards - and specifically playing the role of "PHR/ wallet/ patient app"
- Successful in achieving Success Criteria #1 of the Main Scenario: "PHR/ wallet/ patient apps captures and display the SMART Health Link digital insurance card on the device."
- Heavily relied on SHL Links protocol documentation and the reference SHC Web Reader implementation from The Commons
Flexpa Demo

Select a health plan
- Humana
- United Healthcare
- Kaiser Permanente

Scan a SMART insurance card

Powered by Flexpa
Flexpa Demo
Oracle Report Out

Preparation:
- Created a standalone scan. Processing application using springboot. Created utility classes to:
  1. read a png scan QR code file
  2. parse the scan
  3. call the URL from the scan
  4. process the jwt response
  5. display the payload using a simple thymeleaf UI.

Availability:
- I can run this application locally anytime, so it will be always available for testing. Like to be involved in future testing, more interested in testing using different scan codes generated by different payors. From my experience, different payors tend to do things a little different. Testing using the QR scans created by the payors will help us catch any variations & help us be ready to roll it out to Prod.
Oracle Report Out

Testing:
• Wanted to read & process the QR scan codes from https://github.com/seanno/shc-demo-data/tree/main/cards. Wanted to understand the processing of different types of scans & how to interpret the payload.

Success: Was able to successfully process & validate following scans:
• smarthealth_shic_shl1.png
• smarthealth_shic_sh1..png
• carin_insurance_example_shl.png
• baur_shl.png
• shl-expired-revoked.png
• shl-expired.png

From the testing, I was able to verify the happy path scenarios, expired card processing & revoked card processing.
1. Smarthealth shic: https://p-smarthealth-static.digitaltale.everfon.com/smarthealth/shic/4CpOg7WvHBoJ3WsExpnxc5TOB7R8z3G1miYC0l1psYdU/-/shic

Scan Processed!

URL: https://p-smarthealth-static.digitaltale.everfon.com/smarthealth/shic/4CpOg7WvHBoJ3WsExpnxc5TOB7R8z3G1miYC0l1psYdU/-/shic

Key: Aaa9R8RBAbT4K_Hr2dLj6z-JAvFpennUeAMnPIUj4U=-

Oracle Demo
Oracle Demo

Revoked: [rid: imrevoked]


Scan Processed!
Oracle Demo

Carin Insurance Card:


Scan Processed!
Safe Health Report Out

- **Digital Insurance Card Reading**
  - Safe Health modified our smartphone application to successfully read
    - Smart Health (Insurance) Cards
    - Smart Health Links
  - The following slides show the process

- **Deployed a server to accept Digital Insurance Card data**
  - Used a serverless cloud receiving system
  - Tied to a database
  - Accepted Smart Health JSON payloads containing insurance information
  - Allowed updating of the insurance information based on member matching logic (not tested yet)

- **Successful inbound connections established for the first time during the Connectathon (using synthetic Digital Insurance Card data):**
  - Oracle
  - Apple
Safe Health Demo

Safe Health Reader (Enhanced for the Connectathon to Accept Digital Insurance Cards)

- Live screen captures during the event (July 19th)

Test Data Populated Into CMS Eligibility Form From QR Code Scan with No Human Data Entry

- App Is Configured
- Connectathon QR Code Live Scan
- QR Scan Is Processed
- Data Are Automatically Populated!
Safe Health Demo

Digital Insurance Card Data Posted to the Safe Health API During the Connectathon

- Successful posts from both Oracle and Apple using synthetic insurance smart card QR code simulated JSON data source
- Data were received, processed and stored in the Smart Health server
Safe Health Next Steps

• Safe Health plans to maintain our development server post-Connectathon for additional testing; all are welcome to test with us!
• We plan to enhance the smart phone logic to accommodate single-sided and two-sided QR code Digital Insurance Cards

• For more information: Eric.Heflin *at* SafeHealth.Me