Big Tech is teaming up with health care companies to make it easier for you to see your health history.
Standards-Based Infrastructure Scaling

Institutions that support health records on iPhone (beta)

A growing list of healthcare institutions support health records on iPhone to view important data such as immunizations, lab results, medications, and more directly in the Health app.

We’re working with more hospitals and clinics to support health records. Health institutions may need to coordinate with multiple hospitals and clinics that support health records, which are listed in the Health app.

Richard M. Adams, DPM - Family Foot Care (Texas)
https://www.richardadamsdpm.com

Community Health Systems (nationwide) - including AllianceHealth (OK), Bayfront Health (FL), Commonwealth Health (PA), Lutheran Health Network (IN), Merit Health (MO), Northwest Health (AR), Physicians Regional (FL), Tennova Healthcare (TN)
http://www.chs.net

Clinically-integrated networks operating on multiple EHRs can aggregate FHIR resource servers for a single API feed for consumer designated apps
Tools to Align Access Policy to Strategy

- **Consumer Access for Aggregators**
  - *Content*: All
  - *Population*: One Patient
  - *Duration*: Until revoked

- **“Bulk” Access for Payers**
  - *Content*: Negotiated
  - *Population*: Negotiated
  - *Duration*: Contract term

- **“Backend” Access for Networks**
  - *Content*: Minimum necessary
  - *Population*: App specific
  - *Duration*: Treatment

Interop via FHIR Applications

Health System–Managed API Gateway (“Blue Bar”)
A 360° view of your patients’ history

As patients move throughout the healthcare system, providers often struggle to gain and maintain a complete picture of their medical history. Data at the Point of Care fills in the gaps with claims data to inform providers with secure, structured patient history, past procedures, medication adherence, and more.
Progress @ the Pace of Standards

After dramatic reduction in aircraft manufacturing following WWI, then-Secretary Hoover encourages industry collaboration on engine, wing standards, commercialized on popular DC-3, Boeing 247


Published Implementation Guides
- Data Query Implementation Guide
- Provider Directory Implementation Guide
- Scheduling Implementation Guide
- CDS Hooks
- Clinical Notes Implementation Guide
- Bulk Data Access Implementation Guide
- Questionnaire Implementation Guide

Only “Data Query” implemented at scale (due to regulation)
CMS is proposing that each Part D plan adopt a provider (i.e. EHR-integrated) RTBT of its choosing beginning on or before January 1, 2020.
AHRQ Release Pain Management App
Call to Action: The Time is Now

Enhanced Patient Matching Is Critical to Achieving Full Promise of Digital Health Records

Accurately linking individuals with their records essential to improving care

HEALTH INFORMATION TECHNOLOGY

Approaches and Challenges to Electronically Matching Patients’ Records across Providers

Table 2
Data Elements and Standards Examined to Improve Patient Matching

<table>
<thead>
<tr>
<th>Data element</th>
<th>Applied standard/rules</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Last name</td>
<td>Applied normalization rule from the Council for Affordable Quality Healthcare, a nonprofit alliance of health plans and trade associations</td>
<td>Removal of special characters (such as apostrophes) and suffixes, such as “Jr.”</td>
</tr>
<tr>
<td>Telephone number</td>
<td>Formatted according to International Telecommunication Union Recommendation E.123</td>
<td>Converting numbers to the format (XXX) XXX-XXXX</td>
</tr>
<tr>
<td>Social Security number</td>
<td>Default and invalid values removed</td>
<td>Invalid values made blank</td>
</tr>
<tr>
<td>Date of birth</td>
<td>Date rules applied</td>
<td>Invalid dates made blank</td>
</tr>
<tr>
<td>Address</td>
<td>Applied U.S. Postal Service certified address standardization rules</td>
<td>Corrected errors that would make an address undeliverable by the U.S. Post Office and spelled out abbreviations, such as changing “blvd” to “Boulevard”</td>
</tr>
</tbody>
</table>

Vision for a FHIR Matching Accelerator

1. The Goal: Build a more robust matching experience on the emerging FHIR infrastructure, and via connected apps

2. “Patient+” Resource: Publish an Implementation Guide for contributing pharmacy’s to publish a more comprehensive “FHIR Patient” resource to strengthen matching algorithms

3. PDMP “Apps”: Build upon AHRQ’s “Pain Management” decision support FHIR app to integrate PDMPs and test emerging matching models