

Two Use Case Demonstrations:

- 1. Payer Coverage Decision Exchange (PCDE)**
- 2. Alerts / Notifications**

Presented by:

- Amit Shah, Senior Director of Shared Applications/Services, GuideWell
- John Kelly, Principal Business Advisor, Edifecs
- Sreekanth Puram, Head of Technology and Product Development, Mettle Solutions
- Rohit Shinde, Vice President and Business Unit Lead, healow Insights



Da Vinci Members and Roles

Guidewell, Edifecs, Mettle, Healow

GUIDEWELL

edifecs

Mettle
SOLUTIONS

healow | Insights

Payer B

- Uses Edifecs FHIR Module as a technology
- Represents the payer application
- Member data transfers
- Interacts directly with the EMRs for real-time bi-directional data transfer

Da Vinci
Premier member

Payer B Tech Platform + Simulated EMR for ER

- Support all Da Vinci IGs
- Complete FHIR server
- Maps to FHIR Resources
- Support USCDI/CPCDS
- Endpoint orchestration
- Bi-directional exchange

Da Vinci
Founding member

Payer A

- Early implementors of the PCDE use case at Da Vinci
- Capability to request and receive bene info mapped to the payer system
- Support for payer end-point look-up and auto-routing internally to various UMOs

Da Vinci
Active contributor

PCP's EMR

- Technology partner
- eClinicalWorks EMR integration
- Secure app to manage patients healthcare data

Da Vinci
Associate member

The background features a collage of Leonardo da Vinci's sketches, including a Vitruvian Man figure, a mechanical crane, and various anatomical drawings. Overlaid on this are several hexagonal icons: a stethoscope, a pair of test tubes, a medical cross, a heart with an ECG line, and a hot air balloon. The overall color palette is warm, with shades of brown, tan, and blue.

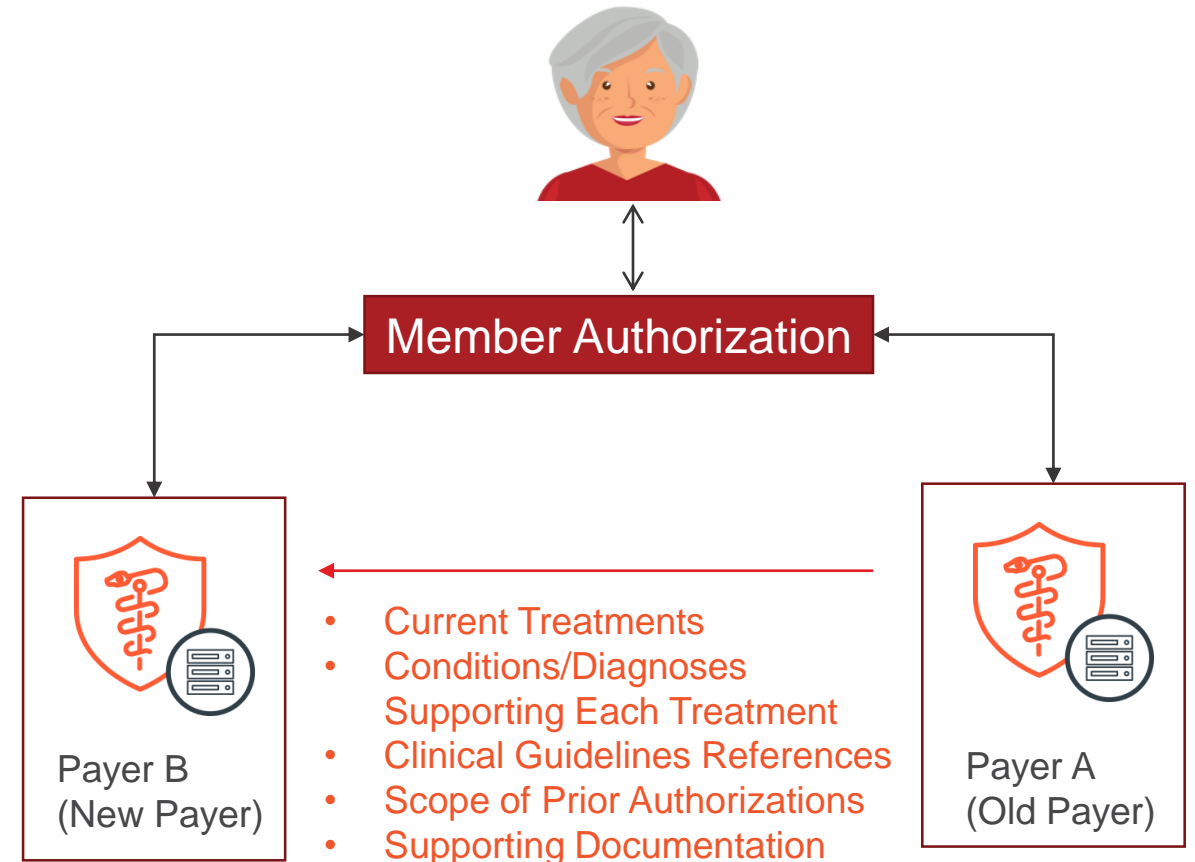
Da Vinci Use Cases

Payer Coverage Decision Exchange (PCDE)

Implementation Guide to Address CMS Rule Payer Coverage Decision Exchange (PCDE)

Key Benefits

- Support the CMS rule, MA payers were required to exchange clinical data in order to support continuity of care and coverage.
- Supports continuity of treatment by enabling a transfer of “current active treatments” between the prior payer and the new payer
- Reduces the need for providers and/or patients to resubmit supporting documentation in order to continue patient treatment
- Decrease the burden on both payers and providers, and reduce interruption in care plan and medication adherence.



Payer Coverage Decision Exchange Overview

FHIR Communication Bundle

Payer Coverage Decision Exchange (PCDE): Supports the exchange the supporting documentation used to validate the necessity for coverage of specific treatments.

PSS builds on the Payer Data Exchange (PDEX) IGs to define patient driven/authorized exchange methods to meet the anticipated requirements for coverage portability.

Summary:

- CommunicationRequest & Asynchronous Response
 - Member Directed Exchange
 - Non Member-Directed Exchange (HIPAA Continuity of Care provision)
- Coverage Transition Document Create
- Coverage Transition Document Consumed



FHIR Communication Bundle

- Care Plan
- Prior Authorizations
- Claims
- Clinical Observation
- Internal Decisions (PDF)
- Coverage

PCDE Use Case / Interactions

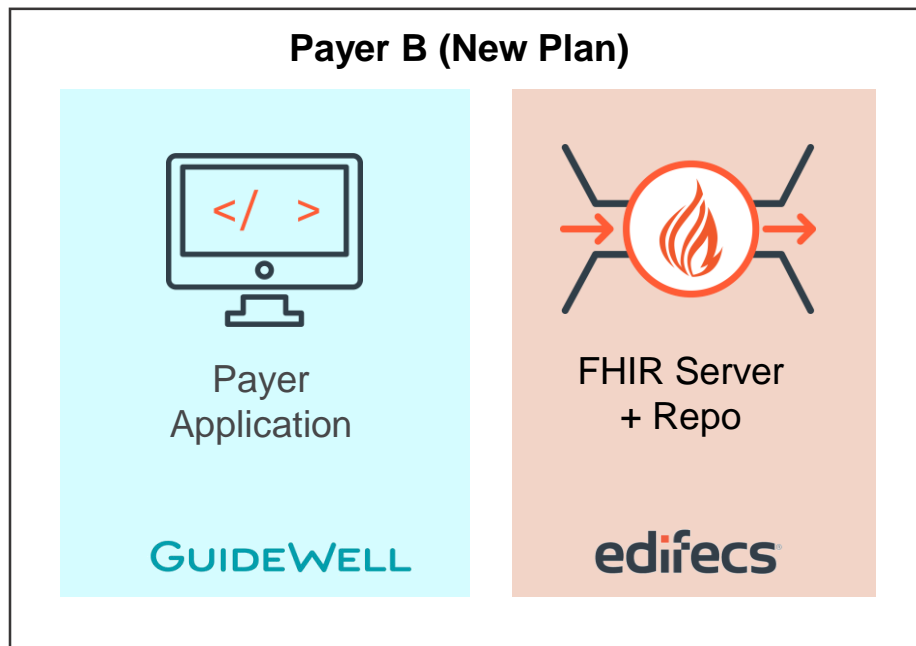
Member Changing Plans

- a) Patient recently changed plans and requested to retrieve her health data from old plan.
- b) Payer B sends a request to payer A to obtain plan coverage and clinical data from Payer A
- c) Payer A views request in SonF app and selects all her care plans as a response back to Payer B.



Patient

a. She requests her data from past payer



b. PCDE / FHIR

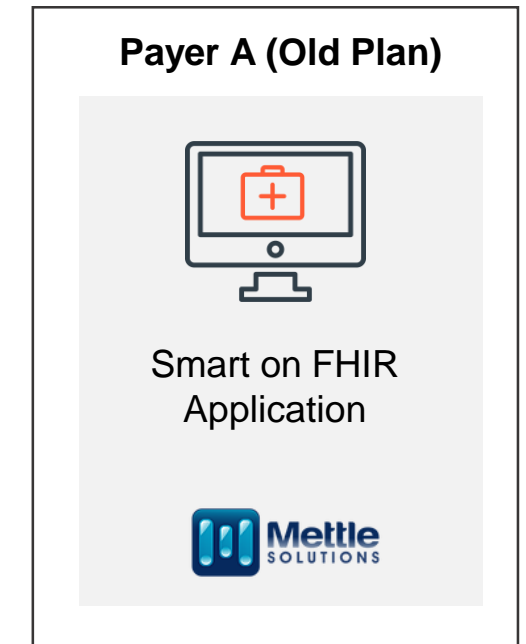
Payer B request of coverage + clinical data from payer A

(FHIR Bundle containing Communication Request)



c. PCDE / FHIR

Payer A views, approves, then sends coverage + send care plans



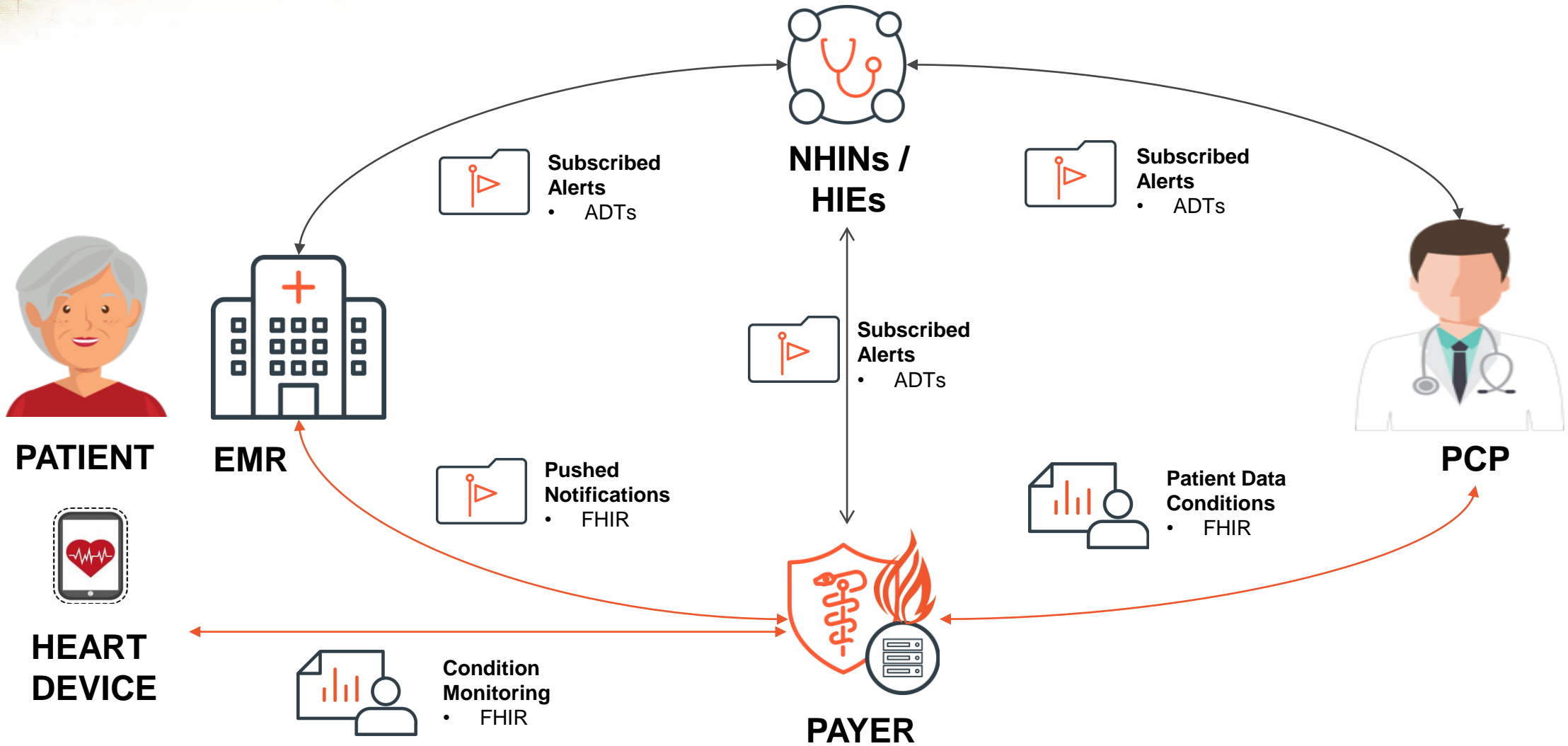
The background features a collage of Leonardo da Vinci's sketches, including a Vitruvian Man figure, a mechanical crane, and various architectural drawings. Overlaid on this are several hexagonal icons: a stethoscope, a test tube, a pharmacy symbol (Rx), a medical cross, and a heart with an ECG line. The overall color palette is warm, with shades of brown, tan, and blue.

Da Vinci Use Cases

Notifications/Communications (Alerts) + Payer Data Exchange (PDEX)

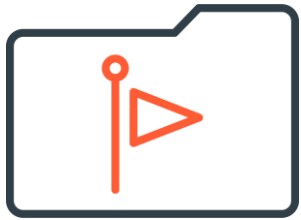
Notification & Member Health for Total Care

Expanding Alerts & Patient Data



Implementation Guide Focus Area

Alerts/Notifications: Admit/Discharge Notifications, Clinical and Administrative Events



Notifications

- **Alerts / Notifications:** Support the real-time exchange of alerts that impact patient care and value based or risk based services.
- Current Admit and Discharge notifications typically use an HL7 V2 ADT message. While HL7 V2 works well within the confines of a hospital system's intranet, it is not particularly well suited to cross-enterprise data exchange.
- FHIR resources can be used to transport patient admission and discharge information as well as information related to other care events to an extended care team.
- Explored options to "push" the defined alerts / notifications where subscription is not a viable solution.
- CMS Rule, expectations for providers to send ADT and/or to Payer to extend this communication to PCP

Implementation Guide to Address CMS Rule Payer Data Exchange (PDEX)



Payer Maintained Patient Data

- **The Payer Data Exchange (PDEX)** Implementation Guide (IG) is provided for Payers/Payers to enable them to create a Member’s Health History using clinical resources (based on US Core Profiles based on FHIR R4) which can be understood by providers.
- This IG uses the same Member Health History “payload” for member-authorized exchange of information with other Payers and with Third-Party Applications.
- This IG covers the exchange of: Claims-based information, Clinical Information (such as Lab Results, Allergies and Conditions)
- The following scenarios meet the requirements identified in the CMS Rule:
 - Member-authorized Payer to Payer exchange
 - Member-authorized Payer to Third-Party Application exchange

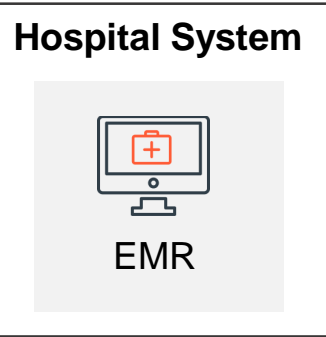
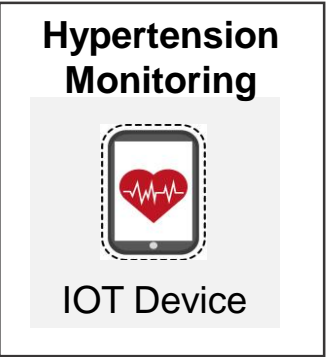
Notifications and PDEX Use Case

COVID & Hypertension Interactions

- a. Patient's blood pressure monitoring device triggers a push FHIR notification to the Payer
- b. Patient is admitted to ER facility for emergency warning signs for COVID-19 triggering a notification to the Payer
- c. The PCP can now receive critical clinical updates sent from the Payer system using PDEX.



Patient



a. FHIR Notification

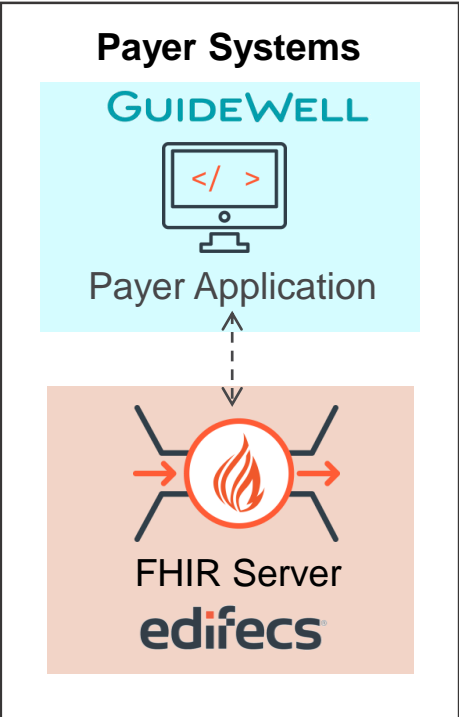


Spike in blood pressure triggers FHIR notification bundle to Payer

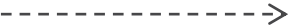
b. FHIR Notification



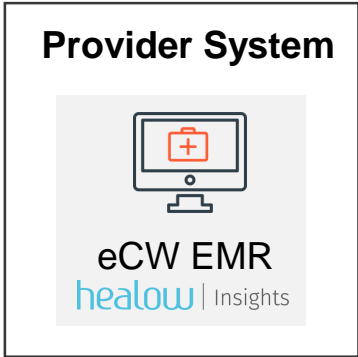
Admin to hospital triggers FHIR notification bundle to Payer



c. PDEX



Payer sends solicited clinical data as requested by PCP



Provider

Da Vinci Use Cases Question & Answers



The background features a collage of Leonardo da Vinci's sketches, including anatomical drawings, mechanical designs, and architectural plans. Overlaid on this are several hexagonal icons: a stethoscope, two test tubes, a microscope, a plus sign, and a heart with an ECG line. The overall color palette is warm, with shades of brown, tan, and gold.

Da Vinci Program Support for Member Onboarding, Training and Use Case Implementations:

Alix Goss, Imprado
alix@imprado.com