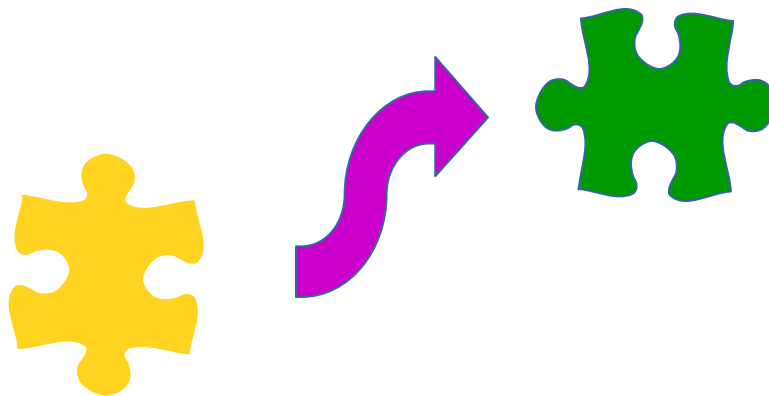# What Interfaces are Right for Your Practice?
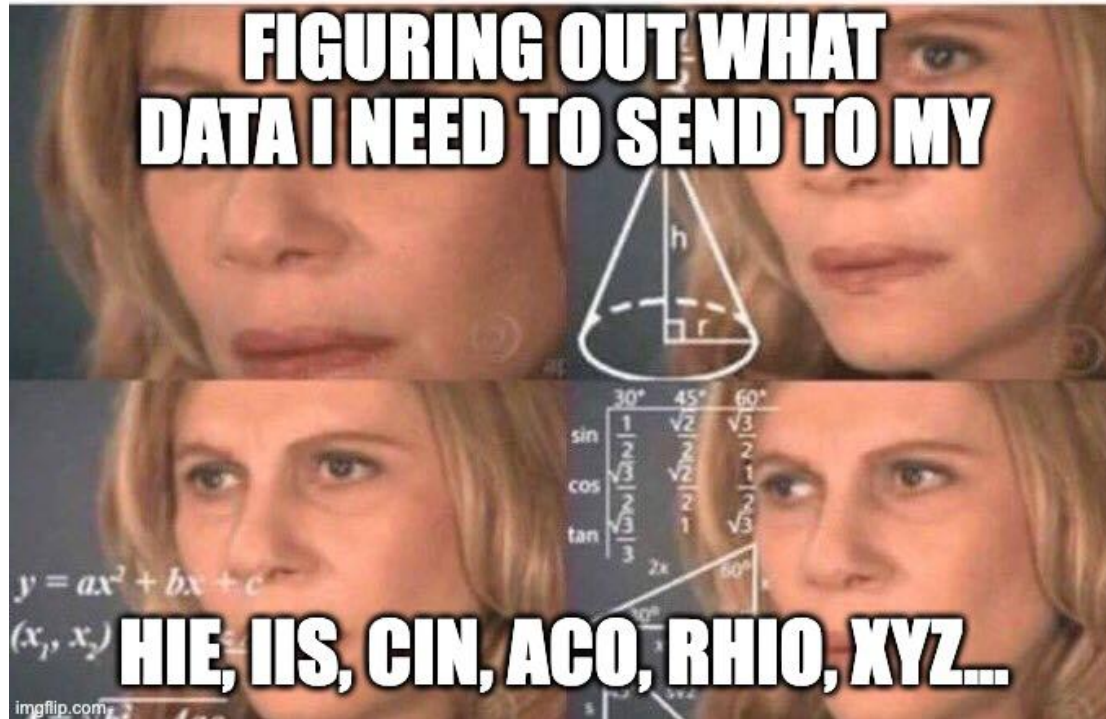
Scott Kirby, MS
Clinical Data Exchange

Session Goals

1. High-level survey of clinical data integration options offered by PCC
2. Understanding common use-cases for integration methods

Data Data Data…

PCC Can Help!

But how do I know what I need?

COMPLEX DATA SHARING REQUIREMENTS
PCC
MY PRACTICE TRYING TO KEEP KIDS HEALTHY

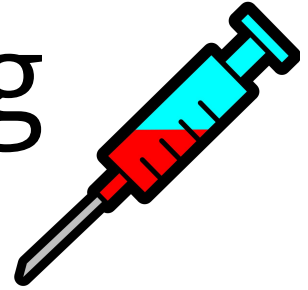# Built-in Integration Features

- Immunization Messaging

- Lab Results

- Direct Secure Messaging

- Clinical Document Exchange

THIS EHR COMES WITH

SO MANY INTEGRATIONS

imgflip.com

Immunization Messaging

- Administration Reporting (HL7 VXU)
- Immunization Query (HL7 QBP) aka Bi-directional immunization messaging
- Ackowledgement processing and review (HL7 ACK)
- PCC's goal is to support all available transactions with all applicable jurisdictions (IIS/Immsreg)

Lab Results Interfaces

- HL7 ORU (Unsolicited Observation Message)
- Currently support results interfaces with 60-70 labs
- We'll continue to develop more connections as project requests emerge
- Also support Demographics Bridges (more on that later) to ordering systems

Direct Secure Messaging

- Encrypted email standard

- Commonly used to transmit attached documents

- Often include CCD, PDFs, XDM, more

- User-to-user, 'push' style

- Ideal for directly notifying and sharing data with care delivery partners

Clinical Document Exchange

- Performed through Carequality framework
- Consolodated Clinical Document Architecture (CCDA)
- Query-based exchange ('pull')
- Requires responding to queries in order to query other provider systems
- Carequality Connected Agreement
- Data sharing policy preconfiguration

Supplemental Models

- Demographics Feed (a.k.a. 'Bridge')

- Schedule Data Feed

- Clinical Document Feed

- Claims Data Feed
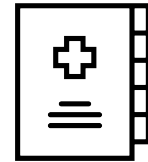
- Automated CSV Export

MORE

Demographics Feed

- HL7 ADT (Admit Discharge Transfer) messages
- New patient and demographics update triggers
- Used to populate demographics in 3rd party systems and applications
- Used with lab integrations for orders applications
- Used with C-CDA feeds for HIE connections
- Can include policy and guarantor information

Schedule Data Feed 📅

- HL7 SIU (Scheduling Data Unsolicited) messages
- Create, update, and delete triggers
- Used primarily with 3rd party systems or applications that seek to track encounters in semi-'real time'.
- Includes some minimal demographics, appointment details like time, visit type, appointment status, location

Clinical Document Feed

- HL7 C-CDA (Consolidated Clinical Document Architecture)
- Encounter-based triggers
- Daily (nightly) export and transfer
- Primary clinical data transfer format used by a variety of systems and protocols (HIE, CIN, ACO)
- Does not pull in all billing data (primarily clinical)

Claims Data Feed

- 837 Professional Claims Format
- The exact same claims practices send to payors
- Nightly secure file transfer (sFTP)
- Contains billed CPT and ICD-10 codes not available in the clinical document feed
- Does not contain more robust clinical data of C-CDA
- Used by CINs and similar organizations in conjunction with other quality measure data

Automated CSV Export

- Not standards-based
- PCC has a template, but there is no core requirement
- Can contain clinical and billing data
- Can be trickier to maintain than standard interfaces
- Generally involve a backload and then incrementals
- Used by quality analytics vendors who aggregate a ton of data

References

https://www.pcc.com/interoperability/

https://www.pcc.com/interoperability/connections/

What Questions Do You Have?

Later Viewing

This and all other UC2023 course recordings will be available for later viewing through the app.