Sharing Clinical Records: PCC's Newest Interoperability Connection

Jen Marsala 2019 Users' Conference Burlington, VT





Learning Objectives

- Define interoperability and explain why it's important to your practice and your patients
- Understand how C-CDA Documents support the exchange of patient data
- Describe Clinical Document Exchange, PCC's newest interoperability solution
- Identify the steps for getting your practice started with Clinical Document Exchange





What is interoperability?

the ability of a system to work with or use the parts or equipment of another system

















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What is interoperability?

In healthcare...

the ability of different computer and software systems to communicate, exchange data, and use the information that has been exchanged

laboratories

pharmacies

CMS EHRs

medical practices

clinics payers





patients

hospitals

Why is interoperability important?

- Allows for more efficient access to data
- Saves time and resources
- Leads to safer transitions of care
- Produces better patient outcomes
- Reduces costs





How is PCC EHR interoperable today?

- Immunizations
- → State Immunization Registries
- → Forecasting
- Direct Secure Messaging
- E-lab Results
- eRx
- Insurance Eligibility
- C-CDA Interfaces





What is a C-CDA?

Clinical Document Architecture (CDA)

This is a standard.

Consolidated-Clinical Document Architecture (C-CDA)

This is an implementation guide that uses the CDA standard to specify a collection of clinical documents.





There are 12 types of C-CDA documents:

Care Plan

Diagnostic Imaging Report Operative Note

Procedure

Referral Note

Consultation

Note

Discharge Summary

Note

Transfer

Summary

Continuity of Care

History & Physical

Progress Note Unstructured Document





C-CDA Documents contain sections.

- Sections are like building blocks.
- There are 70 sections!



Examples

Medications

Immunizations

Family History

Procedures

Vital Signs

Encounters

Nutrition

Allergies &

Intolerances



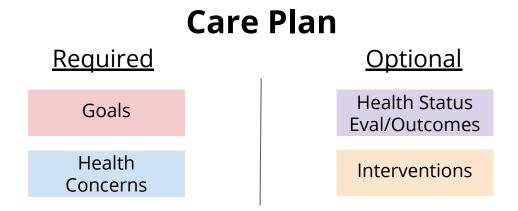
Implants





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For each document type, some sections are required and some are optional.



C-CDAs can include additional sections, even above and beyond the sections defined as optional.





For each document type, some sections are required and some are optional.

Continuity of Care

Required

<u>Optional</u>

Allergies & Results

Medications Social History

Problem Vital Signs

Procedures

Advance
Directive

Encounters

Mental Status

Family History

Nutrition

Functional
Status

Payers

Plan of
Treatment



Continuity of Care Document (CCD)

In PCC EHR, we also refer to this document as the **Summary of Care Record**.





C-CDA Documents and Interoperability

C-CDAs combine human-readable text with machine-processable data.

```
Summary of Care Record
                                                                                                                                                                         Todd Gack (10 yrs, 9 mos; 07/16/08; M)
       <name><qiven>Todd</qiven><qiven>J</qiven><family>Gack</family></name>
       <administrativeGenderCode code="M" codeSystem="2.16.840.1.113883.5.1"/>
                                                                                                                                                    Continuity of Care Document
       <birthTime value="20080903"/>
       <maritalStatusCode nullFlavor="NI" codeSystem="2.16.840.1.113883.5.2"/>
                                                                                                                             Date of birth
                                                                                                                                               July 16, 2008
       <raceCode nullFlavor="OTH" displayName="Prefers not to answer"/>
                                                                                                                                               Male
       <ethnicGroupCode code="2186-5" codeSystem="2.16.840.1.113883.6.238" codeSystemName=""><ethnicGroupCode code="2186-5" codeSystem="2.16.840.1.113883.6.238" codeSystemName="">
       displayName="Not Hispanic or Latino"/>
                                                                                                                             Contact info
         <lanquageCode code="eng"/>
                                                                                                                             Patient IDs
                                                                                                                                               3484 2.16.840.1.113883.3.2402.400.100.13
         26fc2a86-7b47-40a4-8ada-7885b2f9388f
       //anguageCommunication>
                                                                                                                              ocument Id
                                                                                                                                               April 29, 2019, 09:11:49 -0400
     </patient>
  </patientRole>
</recordTarget>
                                                                                                                                               20 Winooski Falls Way
                                                                                                                                               Suite 7
  <time value="20190612140537-0400"/>
                                                                                                                                               Winooski, VT 05404-2228, US
                                                                                                                                               Tel: (800) 722-7708
  <assignedAuthor>
                                                                                                                                               PCC Pediatric Test Associates
     <id root="2.16.840.1.113883.4.6"/>
                                                                                                                             Contact info
    <addr use="WP"><streetAddressLine>20 Winooski Falls Way</streetAddressLine><streetAdd</pre>
                                                                                                                                               20 Winnoski Falls Way
    streetAddressLine><city>Winooski</city><state>VT</state><postalCode>05404-2228</postalCode>05404-2228
                                                                                                                                               Winooski, VT 05404-2228, US
                                                                                                                                               Tel: (800) 722-7708
    <telecom value="tel:(800) 722-7708" use="WP"/>
                                                                                                                            Table of Contents
                                                                                                                               · Allergies, adverse reactions, alerts
       <manufacturerModelName>PCC EHR</manufacturerModelName>
                                                                                                                               · History of medication use

    Problem List

       <softwareName>PCC EHR</softwareName>

    History of procedures

  </assignedAuthoringDevice>
</assignedAuthor>

    Relevant diagnostic tests and/or laboratory data

    Vital Signs

    Social history

    Care Plan

                                                                                                                               · History of immunizations

    Encounters

    Reason for Referral

                                                                                                                               · Functional status assessment
```



Interoperability Best Practices

The data you share is only as good as the data you put into the system.

- Enter the data
- Be accurate
- Be complete
- Don't use discrete data fields creatively





PCC's Newest Interoperability Connection

Clinical Document Exchange

a system of standards for publishing, cataloging, and sharing clinical documents, which...

makes documents available for retrieval by authorized parties across the healthcare ecosystem.





What is Clinical Document Exchange?

Organization seeking Documents

Organization that has Documents

Step 1 - Patient Discovery

Hey third party, do you know my patient? Yes, one match.
Yes, multiple matches.

Step 2 - Find Documents

You seem to have my patient in your system.

What documents are available for my patient?

Here is a list of documents that are available for the patient you specified.

There are no documents for this patient.

Step 3 - Retrieve Documents

I've selected the document(s) I want.

Can you send me the document(s)?

Here is/are the document(s) you requested.

I can't find the document(s).



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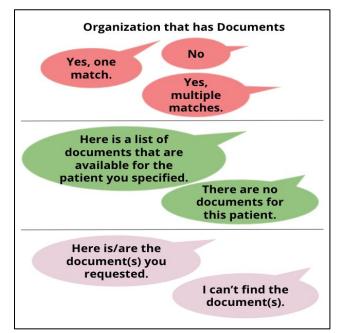
Clinical Document Exchange: Two Halves of the Solution

Initiator Role



You can retrieve documents from other organizations in 2020!

Responder Role



Other organizations can retrieve documents from you.

In pilot this summer!



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Why Clinical Document Exchange?

What is the problem in the industry?

The demands for clinical data from large healthcare systems threaten the independence of pediatricians.

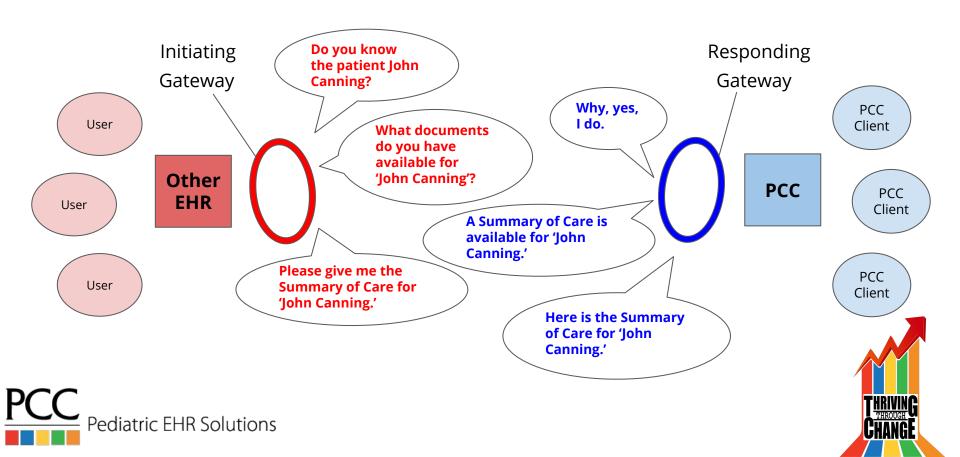
How does Clinical Document Exchange solve the problem?

PCC ensures pediatricians' independence by creating connections with large healthcare systems to improve the exchange of clinical data.

Your practice will be under less strain, relieved from pressure to join hospital systems.



How does Clinical Document Exchange work?



How does Clinical Document Exchange work?

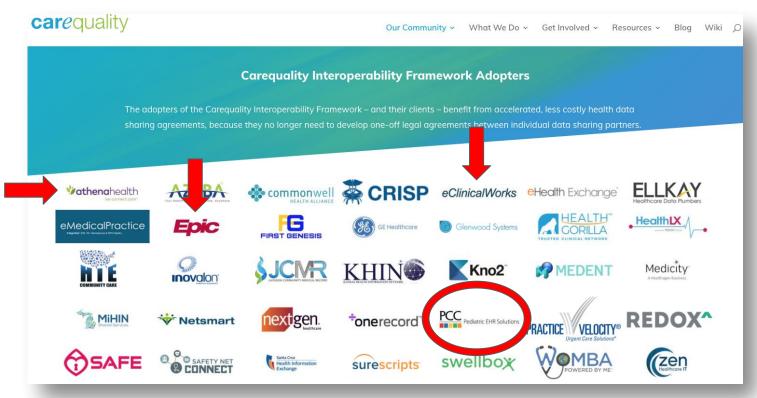
carequality

- Carequality has defined a **framework** that allows participating entities to exchange documents.
- Carequality is a framework, NOT a network.
- PCC is a Carequality Implementer.
- If your practice decides to participate in Clinical Document Exchange, it becomes a *Carequality Connection*.





Carequality Implementers







Who can retrieve documents from my practice?

Only other **Carequality-enabled** organizations can query for and retrieve clinical documents.

Carequality Implementers have been **vetted** as legitimate entities in healthcare and are **authorized** to participate in exchange activities within the Carequality community.





Who can retrieve documents from my practice?

Carequality Active Sites Search Tool

https://carequality.org/active-sites-search/

equality	Our Community What We Do Get Involved Resources Blog Wik
	Search for Carequality-enabled Providers Near You
Search By Name:	Search By City:
Search By State:	Vermont
Radius:	,
Map Sa	atellite
	Bramptone Toronto Bramptone To
London	Singura Fallso Mayelas 2011 Google Tame of Use Reports amperent

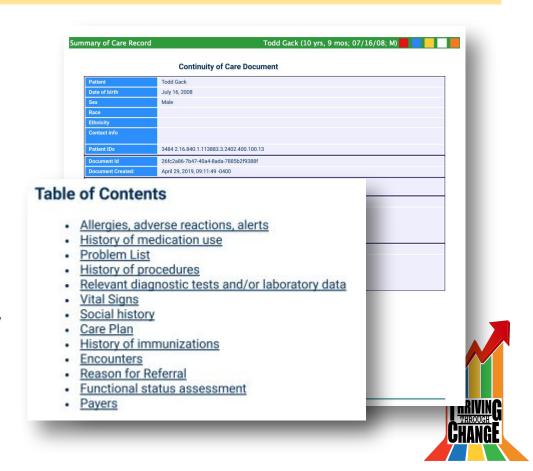




What documents can be retrieved from my practice?

- One Summary of Care document per patient is available for retrieval (when patient consent is Yes).
- When changes occur to a patient's record, an updated copy is made available for retrieval.

PCC EHR does this automatically!





How do I record patient consent in PCC EHR?

Your participation in the Responder role of Clinical Document Exchange only requires that you record patient consent in PCC EHR.

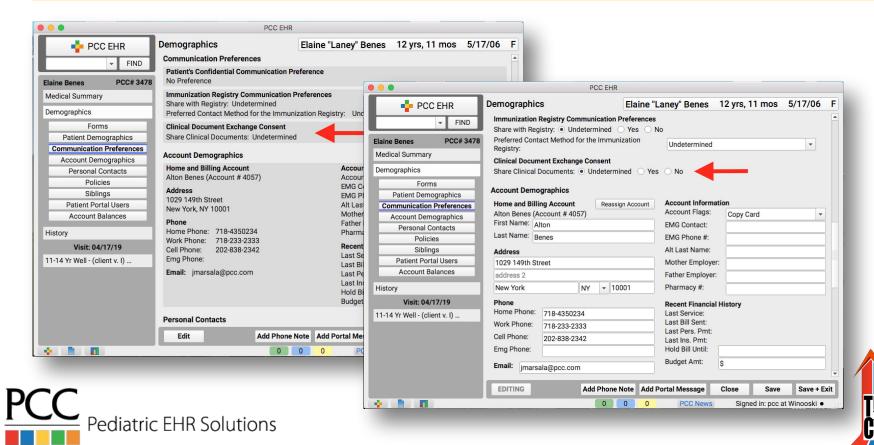
- Consent status will determine whether or not a patient's Summary of Care document can be retrieved by another organization.
- A patient's Summary of Care document can be retrieved only when their consent is marked Yes.







How do I record patient consent in PCC EHR?



Patient Consent at your Practice

- When you go-live with Clinical Document Exchange, PCC will set the consent status for all of your existing patients.
- Your practice's consent policy for CDE will determine the status of existing patients.

What is your practice's patient consent policy?

Opt-in

Patient data will be shared only if and when a patient has given explicit consent. Opt-out

Patient data will be shared unless and until a patient explicitly revokes consent.





Are there any restrictions on document retrieval?

Purposes of Use

Coverage Healthcare Operations

Patient Request

Payment

Public Health Activities

Treatment

PCC shares your patients' clinical documents for **treatment** purposes *only*.





How do I get started with Clinical Document Exchange?

- Find Out Who You Can Connect With <u>https://carequality.org/active-sites-search/</u>
- 2. Contact Your Client Advocate
- 3. Notify Carequality Enabled Organizations
- 4. Review and Sign the Carequality Connection Terms
- 5. Train with PCC
- 6. Schedule a Go-Live Date

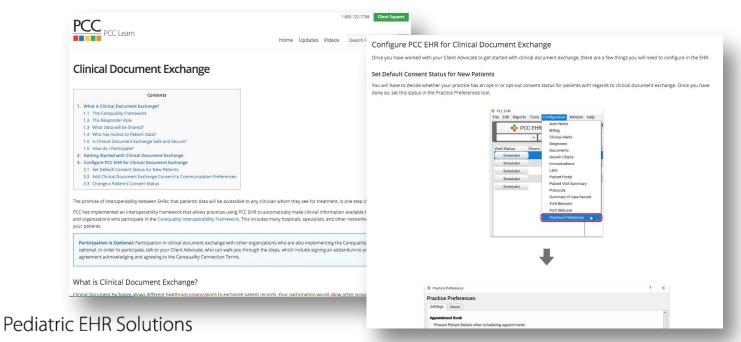




Resources

PCC Learn

http://learn.pcc.com/help/clinical-document-exchange/





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Questions?

Contact your Client Advocate if you are interested in establishing connections with third parties.

http://www.pcc.com/interoperability jmarsala@pcc.com





