

# DYNAMIC NEWS

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## ONC Certification:

- CQMsolution
- Patient Portal
- ConnectEHR

## Interoperability:

- HL7Connect
- Registry Hub
- CCDA/CCD/CCR



FHIR is an emerging set of interoperability resources based on common web standards. As FHIR continues to expand its influence, Dynamic Health IT has attended FHIR Connectathons and other events in order to inform our interoperability development and gain insights for our clients and partners.

The most recent stop was the 1st annual FHIR Applications Roundtable at Harvard Medical School, with presentations on patient and provider-facing apps, Clinical Decision Support, patient education and complete, native FHIR-based EHR.

Check out [dynamic-healthit.blogspot.com](http://dynamic-healthit.blogspot.com) for information about the evolution of the standard and opportunities for development.

## CQMsolution 3.0: Eliminating hurdles

During the third quarter, Dynamic Health IT has been busy enhancing our clinical quality measure software, CQMsolution. The result is a new milestone version, drawing on years of experience in CQM development and feedback from clients. Our new release is robust and certification-ready for 2015 Edition and Cypress 3.0.

### Meeting latest certification standards

2015 Edition Certification is the latest version of ONC health IT certification standards and testing has begun in earnest during 2016. The changes in quality measures—validating to Cypress v3.0—were dramatic and effected a rewrite of major portions of CQMsolution. In addition to new measure validation, a new measure was added: (c)(4) - filtering. Certified software must be able to filter results at the patient and aggregate levels by a list of variables. These changes meant taking the principles behind engine and UI that worked and preserving them, while using the regulatory changes in measure logic and output as a chance for

coordinated re-design and improvement. The CQMsolution calculation engine uses the eMeasure HQMF files, based on the Quality Data Model (QDM), as the basis for evaluation.

### Putting it all together

The under the hood changes allow clients to easily update from previous versions in order to test and submit data for the 2016 reporting year. Dashboard, debug and drilldown views enable users to investigate each aspect of the data against the new measures. In addition, debug views now load on click, saving database space. It all adds up to our most complete and easy-to-use version to date.

| Filter by       | Last Name | First Name | Patient ID | Filter | Clear | Default View  |                                     |                                     |                                     |                                     |                          |
|-----------------|-----------|------------|------------|--------|-------|---------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Patient Name    |           |            | DOB        |        |       | Client ID     |                                     |                                     |                                     |                                     |                          |
| Pittman, Audrey |           |            | 2/10/1985  |        |       | 1469973986_4  | IPP                                 | Den                                 | Excl                                | Num                                 | Exp                      |
| Watson, Megan   |           |            | 6/23/1979  |        |       | 1469973986_8  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Henderson, Wade |           |            | 1/12/1964  |        |       | 1469973986_5  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Steele, Sue     |           |            | 2/10/1985  |        |       | 1469973986_2  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Adams, Gene     |           |            | 5/20/1979  |        |       | 1469973986_12 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> |

## On the road again: Conference breakdown

Dynamic Health IT has been on the road a lot this year. And that's a good thing: with a swirl of activity around CCDA, FHIR, CQMs and 2015 Edition Certification, there is unending opportunity for exchange of ideas on healthcare IT development. The fall conference circuit promises more great collaboration.

September 11– 13, 2016  
NTT DATA Client Conference  
Newport Beach, CA

September 15– 16, 2016  
CCDA Implementation-A-Thon  
Arlington, VA

September 17-23, 2016  
FHIR Working Group  
Baltimore, MD

## CCDA: Growing up, catching FHIR

The Consolidated Clinical Document Architecture (C-CDA) format remains at the center of ONC's efforts to encourage interoperability and data integrity. Vendors who are certifying under 2015 Edition will need to support both v1.1 and v2.1 CCDA releases— and the latter must be backwards compatible. There are 3 C-CDA templates that must be supported for transition of care: CCD, Referral Note and Discharge Summary (Inpatient Only).

ONC is providing a gold standard sample CDA document to assist with adoption, a "sandbox" of C-CDA resources for vendors test against the standard and a web-based scorecard. With ConnectEHR, we have been shooting for not only an "A" on the scorecard, but a maximally interoperable CCDA.

Our CCDAs can currently be displayed and ordered by section and sent via Direct, providing user-friendly health history in the Patient Portal.

For patients and providers we are adding a greater volume of information and outlets for exchange, which will also assist our clients in meeting 2015 Edition Certification.

### Lab results come to the Patient Portal

Our Enterprise version of ConnectEHR continues to add features to enable both clinician and patient engagement. ConnectEHR, the backbone of our Patient Portal, previously allowed for incorporation of lab results—from labs both internal and external to the enterprise.

We've built on this functionality to provide customizable results in the Patient Portal, supporting real-world HL7 2.5.1 cases, from bloodwork to cultures. Lab messages (via ORU or OML HL7) can incorporate information via TCP/IP, file or a combination of both, updating existing labs and providing a customizable clinical review period for pending labs. ConnectEHR can match labs to patients based on client preferences, with automatic portal account creation and notification. Message logging allows clients to save full text of incoming HL7 messages or only a history of errored messages.

This new labs functionality can be used by any combination of administrators, clinicians or patients. The choice is yours.

### Customer Spotlight: NTT DATA

NTT Data is a global IT services and software company that offers clients an advanced portfolio of application, business process, and infrastructure services. They partner with a range of businesses and government agencies providing a flexible array of engagement options, including consulting, managed services, outsourcing, and the cloud. They have a major presence in the U.S. healthcare IT market after acquisitions of Keane International, Inc. and in-progress acquisition of Dell Services (formerly Perot Systems).

NTT Data has partnered with Dynamic Health IT to integrate our CQM solution product with NTT Optimum to offer their customers a complete, robust solution for calculating and analyzing electronic Clinical Quality Measures.

The goal is to unlock more of the promise in the CCDA standard—a point-and-shoot clinical document exchange that results the fullest and most meaningful exchange of information possible.

Through CCDA Implementation-a-thon and other events this year, we've worked on real-world scenarios, exchanging documents and noting the variety of approaches to ingesting and displaying CCDAs, including the three CCDA required under 2015 Edition and style sheet configurations to accommodate a variety of CCDA use cases in major EMR systems.

#### CCDA on FHIR

On the FHIR front, our CCDA on FHIR project is currently underway for Q4. In line with the current FHIR Connectathon development tracks, we will develop a FHIR-based CCDA.

By the end of 2016, we plan to have a FHIR-generated document output available (along with supporting resources). Clients who make calls to our database will be able to retrieve a CCDA on FHIR document from any FHIR CCDA document creator on their FHIR server.

### Transition of Care, with the power of DIRECT

Transition of Care (TOC) documents can now be approved and sent seamlessly, harnessing the power of nationwide Direct address (via MaxMD's API) and NPI directories.

New functionality in ConnectEHR enables the use of a TOC document review screen that parses the intended recipient and performs a nationwide Direct address look up based on NPI to populate the "To" address field.

Users also have the option to populate a provider Direct address of their choosing; this may occur in cases when a direct address is not found. The non-directory address will be added to the system directory for future use. After populating the address field, TOC documents can be sent by XML, PDF or both, at the click of a button.

### Registry Hub: Immunizations

Registry Hub enables clients to submit immunizations to a single location and reach any state of their choice through a central hub server and receive various acknowledgement type post-submission. We are currently live in AZ, FL, GA, IN, LA, MI, MS, NJ, NYC, OR, TN and TX—with a bevy of new states coming on line soon. We support our clients from state-level testing to production.

*Ask us about rapid development of immunization and other public health submission.*



*Dynamic Health IT is located in the heart of New Orleans just off the famous Canal Street streetcar line and blocks from the new University Medical Center.*

