EMR CCD TO HIE: OMG!!!

An Example of Interfacing Centricity EMR with a Health Information Exchange

Presented by:

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About MIMA

MIMA: Independent 125-provider multi-specialty group practice in Melbourne, FL

- 132,000 active patients
- 840 employees
- 200 servers
- 1400 workstations
- 60 applications



Objectives

This presentation will cover the implementation of an EMR CCD interface to connect with an HIE:

Learn the key terms and acronyms associated with an HIE implementation

Discuss the benefits of participating in a Health Information Exchange

Explain the details of the implementation

Conclusions and future development plans

Key Terms

- HIE Health Information Exchange
 - According to Wikipedia:
 - Is the mobilization of healthcare information electronically across organizations within a region, community or hospital system.
 - In our case, sharing patient data with our local hospital

Key Terms

- HIE Health Information Exchange (cont.)
 - Why should you participate in an HIE?
 - Improved patient care
 - Patient data can be found when the patient is in the hospital
 - Easier for physicians to find patient information at the hospital

Key Terms

- CCD Continuity of Care Document
 - Document containing problems, allergies, medications, and immunizations for a specific patient
- MPI Master Patient Index
 - Database used to accurately link records of patients from multiple unique systems

Additional Terms

- HL7- Standard healthcare message format
- ADT Admissions, Discharges, and Transfers
 - HL7 message containing patient demographics updates
- XML Standard CCD message format
- XDR / XDS Common format/protocol for HIE CCD transmission
- SAML Security Assertion Markup Language
 - Used to pass authentication data between parties

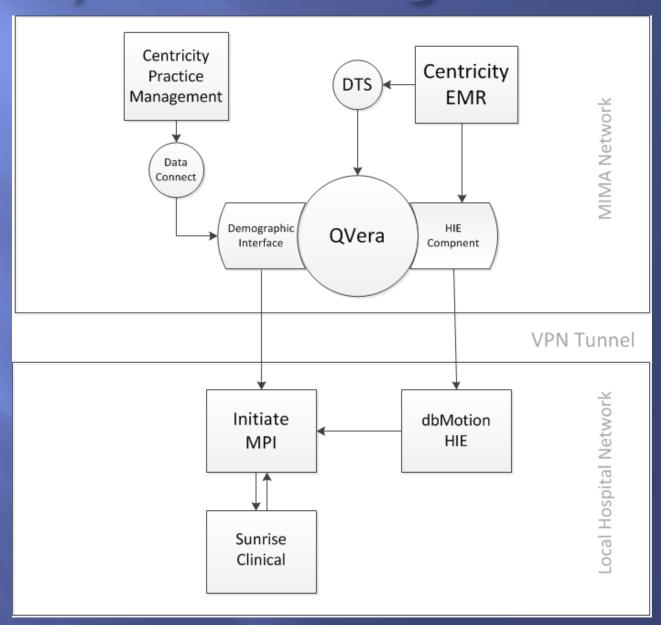
Infrastructure

- Centricity EMR & DTS
- Centricity Group Management
- QVera Interface Engine with HIE Module
- dbMotion HIE
- Initiate MPI
- Sunrise Clinical Manager EHR

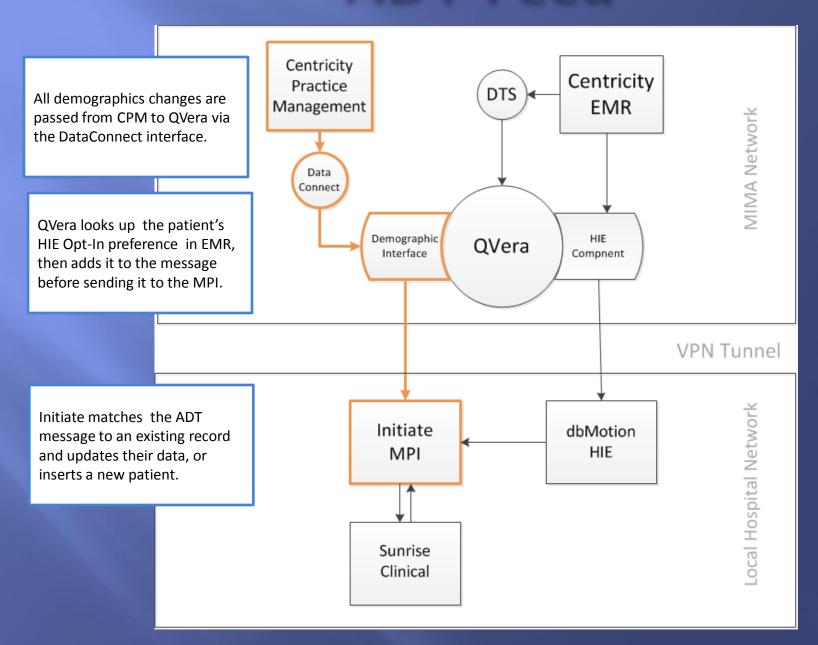
Design Decisions

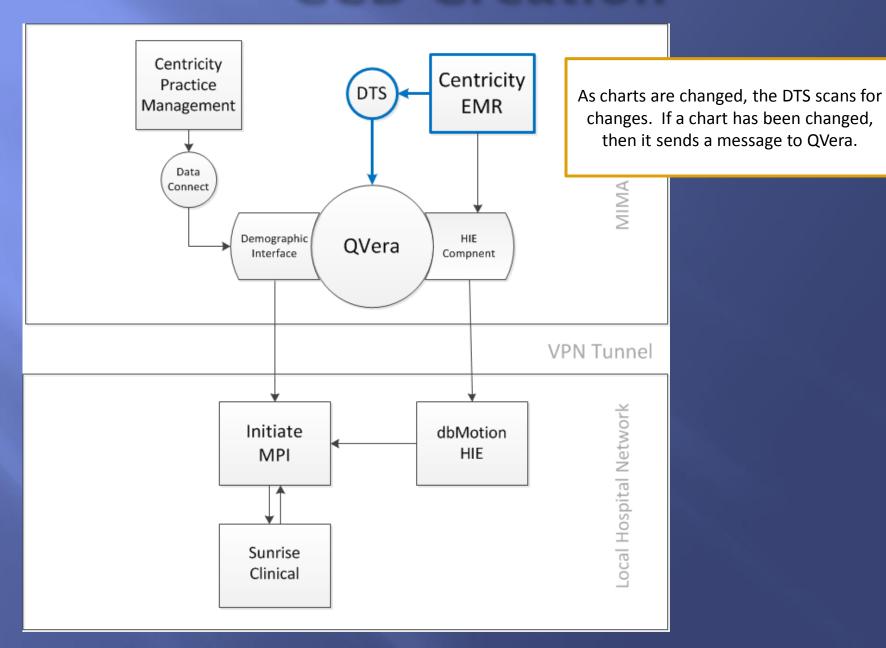
- When to send the CCD's?
 - To avoid negatively impacting EMR performance, we set the export to begin after our last office closed
 - However, after testing, we realized the performance hit was minimal, and we switched to real-time
- How do you handle patient opt-in / opt-out?
 - CPM does not store that data. How can we add it to the ADT feed?
 - What should be the default value for existing patients?

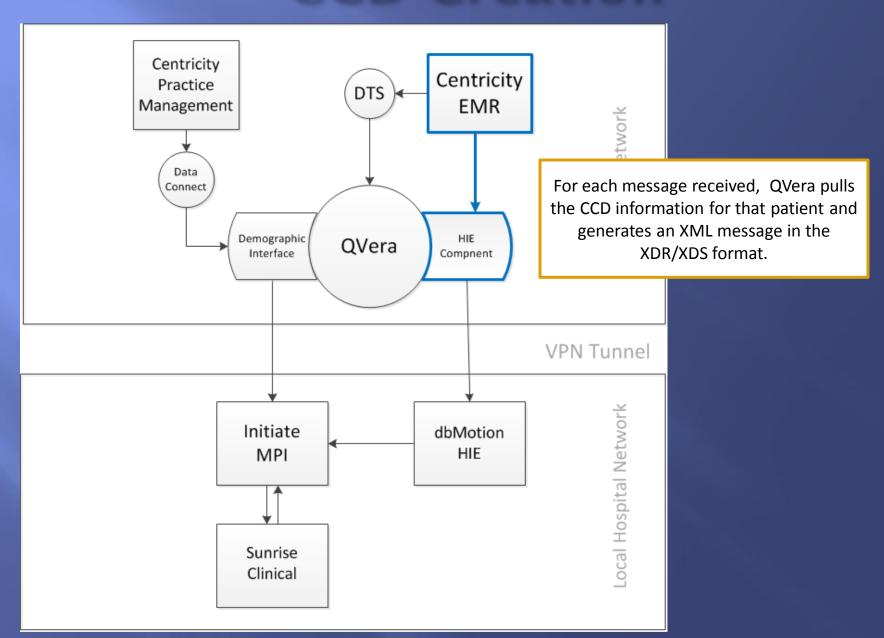
System Configuration

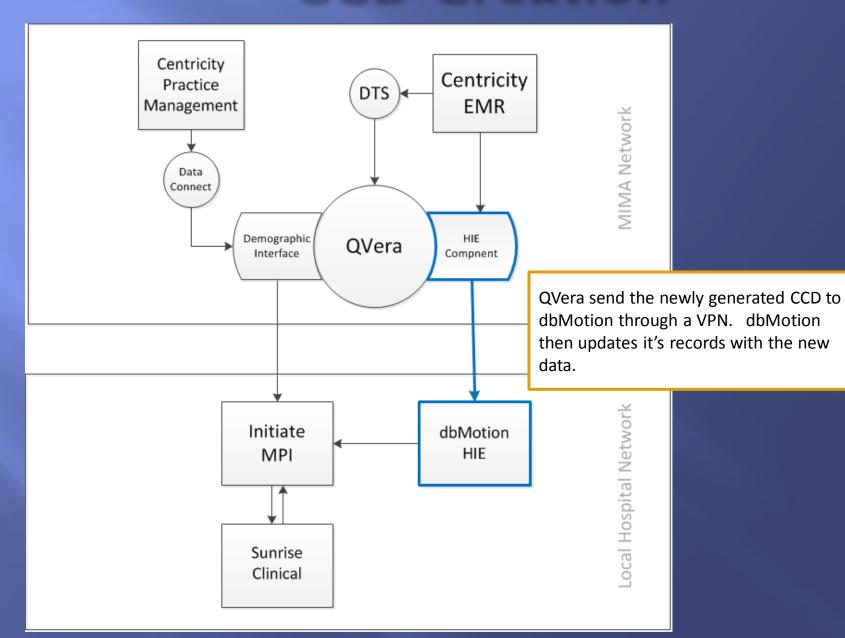


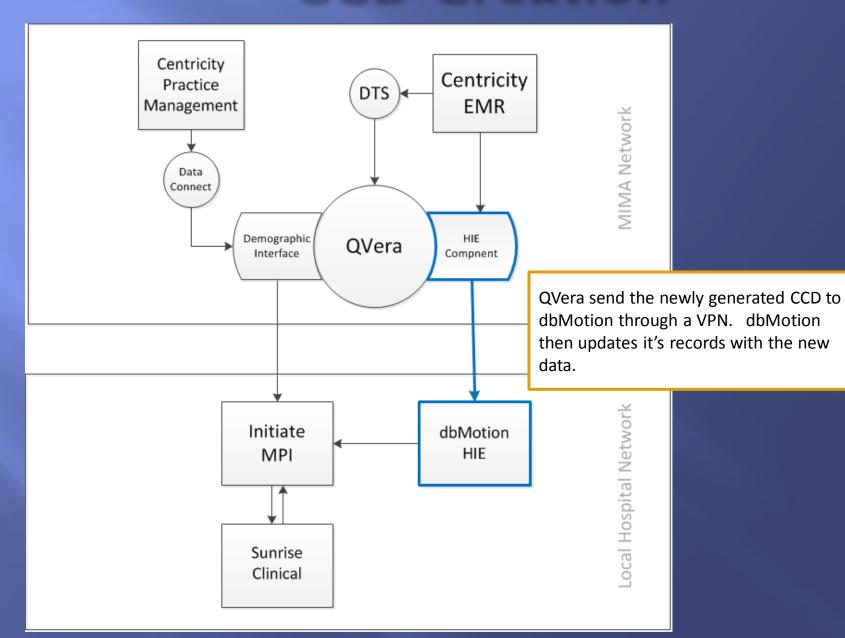
ADT Feed



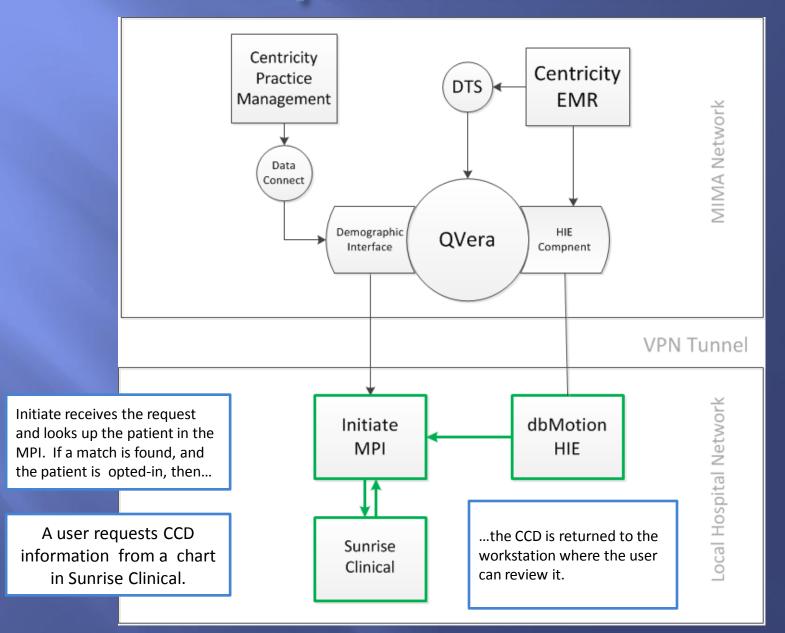








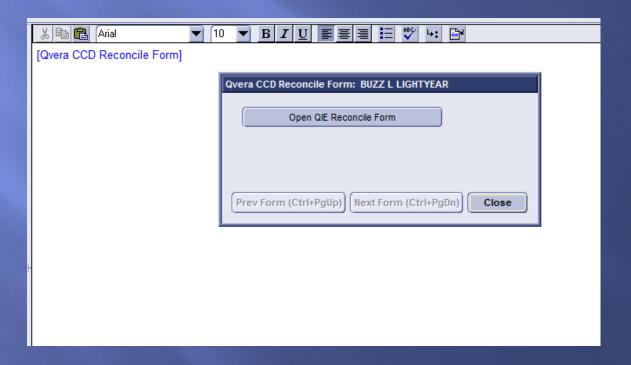
Request for Data



Other Uses

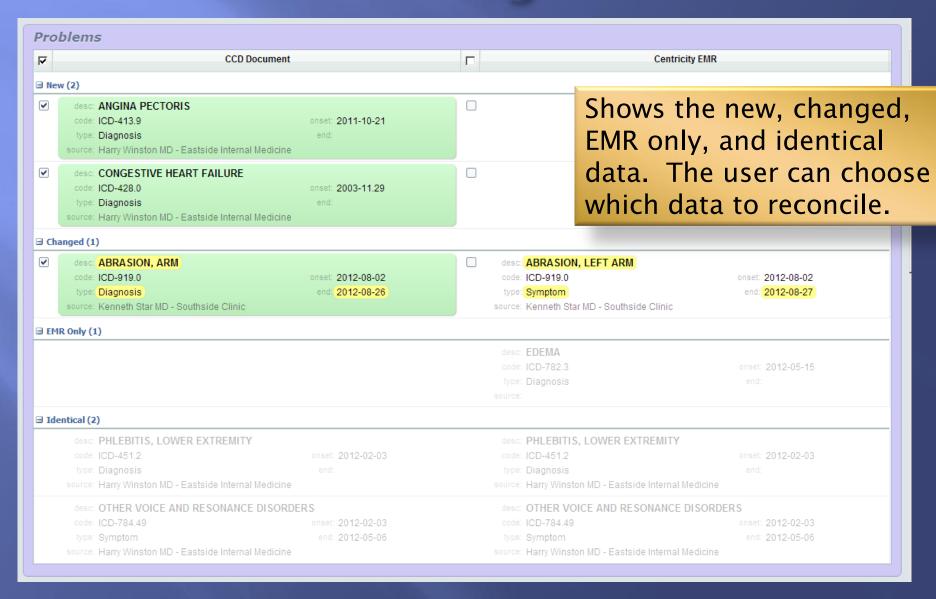
- □Link two EMR implementations together
- □Including linking two chart rooms
- □Integrate into EMR with a chart update

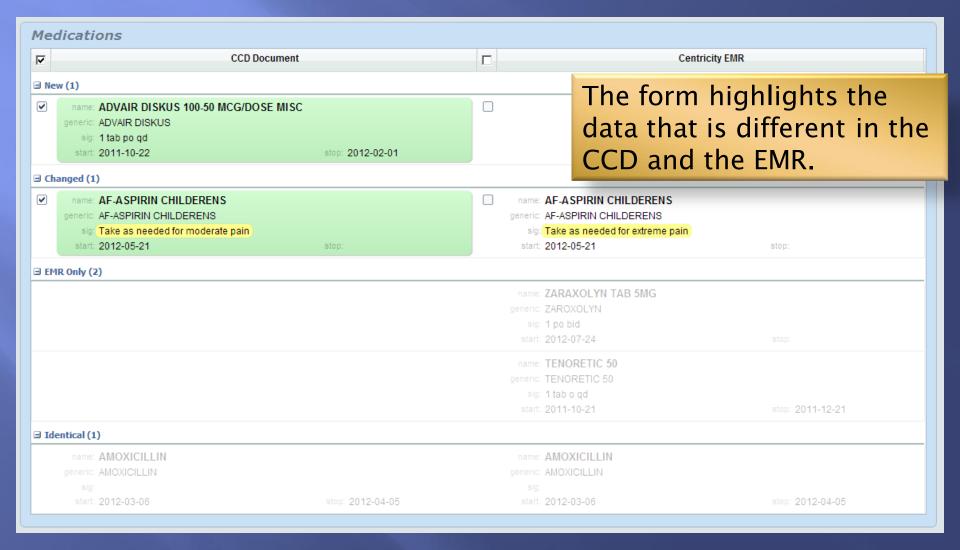
Add the CCD Reconcile Form to the Update



- Allows the user to reconcile data including:
 - Demographics

Qvera - CCD Reconciliation Form						
Eastside Internal Medicine	Author:	Harry S. Winston MD	Phone:	(503) 665-1010	From:	2003-11-29
	Date:	2012-08-07 10:16 AM	Email:	hwinston@eastsideclin.com	To:	2012-08-07
Don C. Bassett	DOB:	1951-01-01 (62 years old)	MRN:	80-TEST001	Address:	209 E Gordon Ave
	Gender:	Male	Phone:	(801) 335-5101		Layton, UT 84041
Reconcile						





Future Plans

□ Receive CCD's back from the HIE with the Local Hospital

- ☐ Consider other HIE options
 - Other local hospitals
 - ☐ State of FL

Conclusion

- ✓ Joining an HIE is extremely beneficial to your patients.
- ✓ With all of the components involved, it can be overwhelming.
- ✓ Planning is essential!
- ✓ Map out your data workflow to simplify the process
- Consider reconciling CCD's back to your EMR for greater benefit

Questions?