

MA-Share – A sustainable RHIO



August 8, 2007



The Massachusetts Regional Efforts

- MHDC – The convener and educational organization, the business incubator
- NEHEN – The transactor of community administrative data
- MA-SHARE – The grid of community clinical utilities
- MAeHC – The last mile to the clinician offices for selected communities



The Need for a Business Model

- A Chicken/Egg Problem – Stakeholders will only pay for value received from a live data exchange but building one requires capital**
- Grants are not a business model**
- No one will pay for a public good**
- Incentives must be aligned**
- Best to automate an existing business process and trust relationship**



The Need for Policies

- **Just like care, trust is local**
- Primary uses of data for clinical care
 - Who authorizes and consents?
 - Who audits and how?
 - Who sanctions and how?
- Secondary uses of data
 - How do we share data for Clinical Research?
 - How do we measure Quality/Outcomes?
 - Where is the data stored and how is it architected?



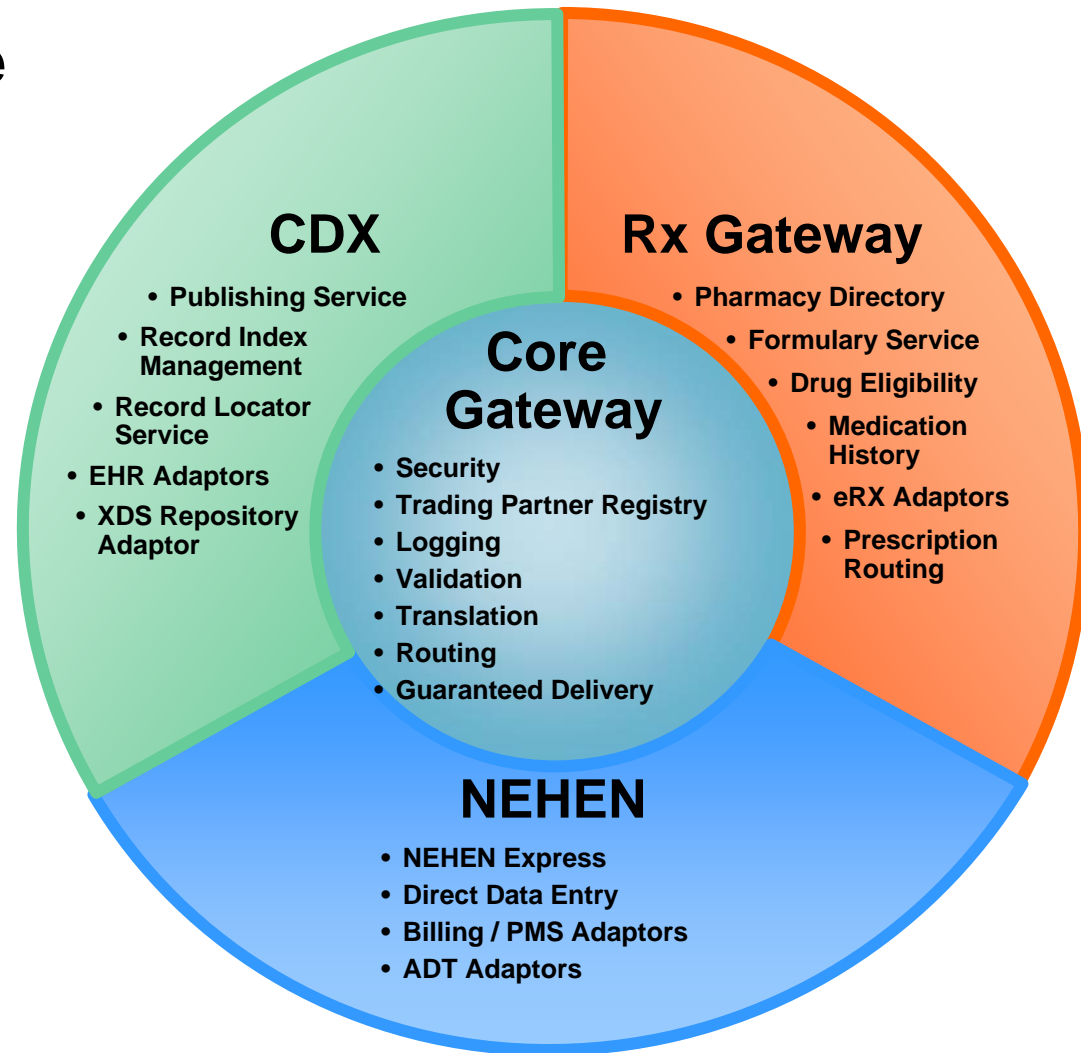
The Need for Architecture

- **Keep it thin**
- Keep it simple
- No transaction fees
- Successful models thus far are
 - Administrative Data Exchange
 - e-Prescribing
 - Clinical Document Push



The MA-Share Appliance

- Rx Gateway and other lines of service (Administrative and Clinical Data Exchange) are built on a common messaging gateway framework
- The Rx Gateway Service provides functionality required for all aspects of e-Prescribing
 - New Prescription Delivery
 - Eligibility and Formulary
 - Prescription Renewals
 - Medication History





Candidate Use Cases

Use Case No.	Sender	Receiver	Information	Work Flow
1	PCP	Specialist	Clinical summary	<ul style="list-style-type: none"><input type="checkbox"/> PCP sees patient and refers patient to specialist<input type="checkbox"/> PCP sends clinical summary to specialist<input type="checkbox"/> Specialist receives clinical summary
2	Specialist	PCP	Clinical summary	<ul style="list-style-type: none"><input type="checkbox"/> Specialist sees patient referred by PCP<input type="checkbox"/> Specialist sends summary of encounter to PCP
3	Emergency Department	PCP	Clinical summary	<ul style="list-style-type: none"><input type="checkbox"/> Emergency Department sees patient<input type="checkbox"/> Emergency Department sends summary of encounter to PCP
4	Hospital	PCP	Discharge summary	<ul style="list-style-type: none"><input type="checkbox"/> Hospital stay is concluded<input type="checkbox"/> Hospital sends discharge summary to PCP
5	Testing site	PCP	Results	<ul style="list-style-type: none"><input type="checkbox"/> PCP orders test<input type="checkbox"/> Testing site sends results to PCP



2007 Connectivity

Org/ Function	Send ED Discharge Summary	Send Hospital Discharge Summary	Receive			
BIDMC	ED Dashboard	webOMR	Fax*	NEHEN Express*	webOMR	eCW
Children's	Cerner Millenium	Cerner Millenium	Fax*	NEHEN Express*	Cerner Millenium	eCW
Lahey	LCMC	LCMC	Email or Fax*	LCMC Portal or NEHEN Express*	LCMC	LCMC
Northeast	MEDITECH	MEDITECH	Fax*	NEHEN Express*	MEDITECH	GE Centricity

* With optional notification/alert



2008 Connectivity

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Summary

- MA-Share is now financially sustainable
- All work is focused on projects which have high value to our community stakeholders
- The appliance is converging to support our various needs for data exchange