

IMPACT: THE MASSACHUSETTS HIE CHALLENGE GRANT PROPOSAL

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CIO Forum

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HIE CHALLENGE PROGRAM

- Issued 12/6 and due 1/5, awards 1/31
- Grant period: 2/1/11 - 9/30/13
- 10 awards, \$1-2m, total of \$16.3m
- Choose 1 of 5 themes:
 - Achieving Health Goals through HIE
 - Improving Long-Term and Post-Acute Care Transitions
 - Consumer-Mediated IE
 - Enabling Advanced Query for Patient Care
 - Fostering Distributed Population-Level Analytics
- MA applied for #2 and #5

THEME 5

- Create distributed network (MDPHnet) of health data from EHRs
- Build on work of HMS Dept. Pop. Medicine to automate detection and reporting of disease from EHRs (PopMedNet)
- Population-based surveillance network targeting indicators across providers and delivery systems
- Focus on diabetes and ILI (flu)

THEME 5 (2)

- ◉ Goals: better understanding of morbidity than through BRFFS, disseminate PH interventions rapidly, share pop. health measures w/ providers
- ◉ Vendor roles: develop new query capabilities and authorization
- ◉ EHR-based repositories in 10 CHCs, plus other sites TBD (build on ESP tool)
- ◉ Distributed analysis to address major PH topics

THEME 5 (3)

○ Budget components:

- Project management
- MDPHnet design and development
- Learning collaborative
- Project leadership
- System implementation
- Evaluation

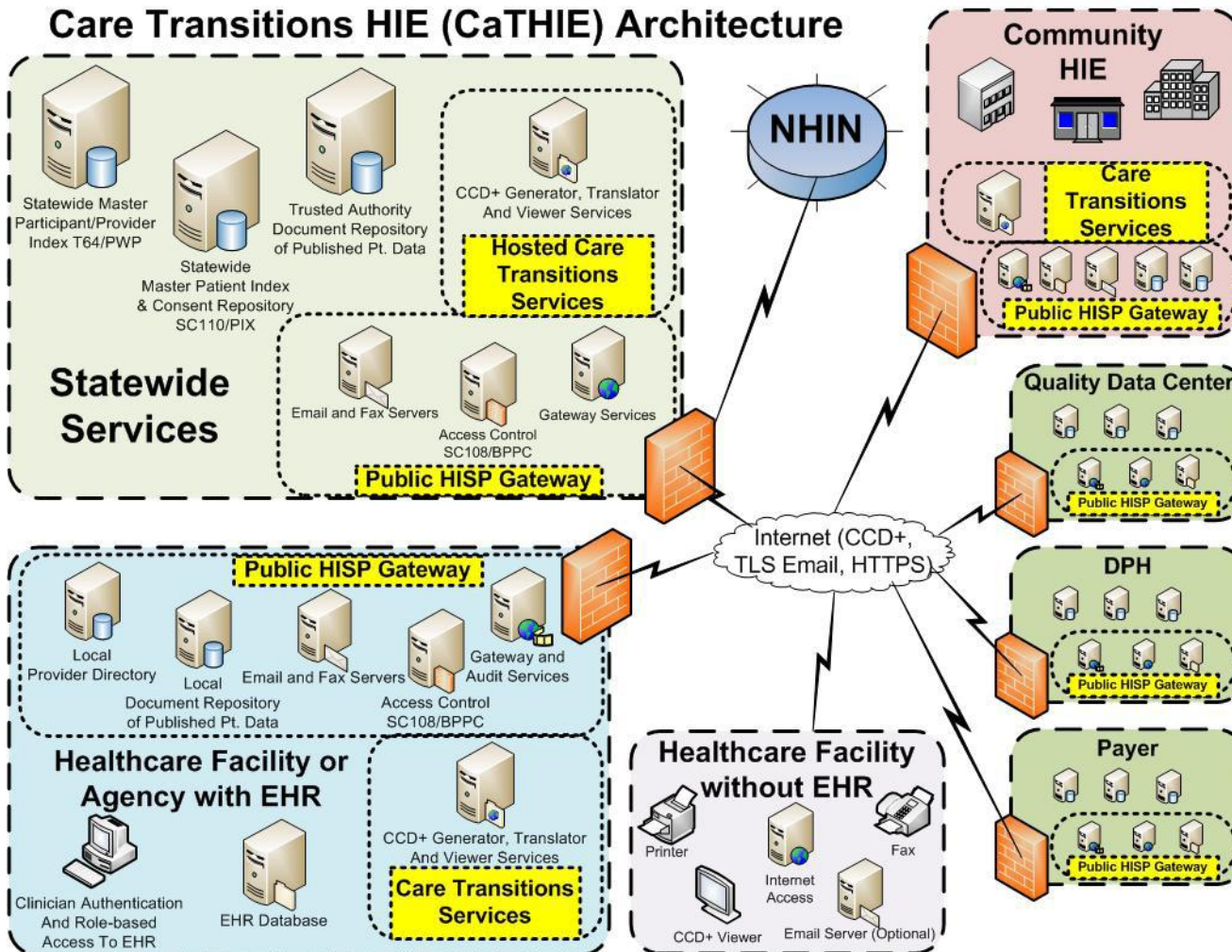
THEME 2

- IMPACT: Improving MA Post-Acute Care Transfers
- 4 objectives
 - Develop & test paper and electronic UTF
 - Develop tool to translate clinical info into consumer-friendly info
 - Establish learning collaboratives for post-acute providers - build on cross-continuum teams (STAAR)
 - Deploy objectives 1-3 within existing HIEs, align with HIT and HIE strategic plans

THEME 2 (2)

- ◉ Pilot site: Worcester Co. (800k people, 26,500 discharged from UMass or Saint Vincent to LTPAC)
- ◉ UTF - DPH developing, paper version 7 pp.
- ◉ Electronic UTF - RFP to be issued, will create “CCD+”
- ◉ Translation tool - RFI to be issued prior to RFP

ARCHITECTURE



THEME 2 (3)



EHR Readiness	100% Paper-based workflows	Some web-based workflows	Certified EHR - can only capture standard CCD elements	Advanced EHR - can capture all Transfer Form elements
Technology Intervention	Add internet access	None	Public HISP Gateway integration	Public HISP Gateway integration
How will they fill out Transfer Form?	Hosted web-portal using CCD+ Generator and Hosted Public Gateway	Hosted web-portal using CCD+ Generator and Hosted Public Gateway	Local web-portal using CCD+ Generator. Standard CCD fields will be pre-populated from EHR	Using their EHR
How will they keep a copy for their records?	Web-portal/Gateway will automatically fax-back a copy of the form	Web-portal/Gateway will automatically fax-back a copy of the form	Web-portal/Gateway will automatically route-back copy of completed CCD+	N/A
How will they receive a Transfer Form?	Fax from Hosted Public HISP Gateway	Fax from Hosted Public HISP Gateway	Using their EHR	Using their EHR
How will they view prior Transfer Forms?	Hosted web-portal using CCD+ Viewer and Hosted Public Gateway	Hosted web-portal using CCD+ Viewer and Hosted Public Gateway	Using their EHR	Using their EHR
How will consumer-friendly Transfer Form be generated?	Faxed from Hosted web-portal using CCD+ Translator and Hosted Public Gateway	Faxed from Hosted web-portal using CCD+ Translator and Hosted Public Gateway	Printed from local web-portal using CCD+ Translator and Hosted Public Gateway	Printed from EHR assisted by CCD+ Translator service

PROGRAM REQUIREMENTS

- ◉ Openness and transparency of technology
- ◉ Conformance to standards
- ◉ Alignment with Mass. HIT and HIE plans and federal HIT plans
- ◉ Applicability and replicability
- ◉ Dissemination of tools and lessons learned

BUDGET COMPONENTS

- ◉ Project management
- ◉ CCD+ development and viewer
- ◉ CCD+ generator portal
- ◉ CCD+ translator
- ◉ SAFEHealth and Public HISP upgrades
- ◉ Learning collaboratives
- ◉ Project leadership and claims data analysis
- ◉ Data collection
- ◉ Evaluation