Federal and State Update

January 18, 2013
2013 Key Topic Areas
Meaningful Use

• Meaningful Use of HIT to support health and healthcare
  – Recommendations to HHS about MU3 objectives, criteria, and clinical quality measures
  – Preparing for MU4 – towards a learning health system
  – Creating a shared health record
    • Patient-generated data
    • Shared decision making
  – Clinical documentation
  – Safety-enhanced design of EHRs
• Measuring clinical quality
  – Facilitating supply of de novo quality “measures that matter” to leverage clinical data from EHRs and PHRs
  – Facilitating incorporation of flexible platforms for measuring and reporting QMs in HIT systems
  – Role of data intermediaries and their sustainability
  – “Near real time” clinical quality dashboards for practitioners
  – Connections to clinical decision support – drivers and feedback
• Health Information Exchange hearing
  – State of the field and best practices
  – Role of HIE in new payment models
  – Facilitating greater exchange across organizational and geographic boundaries through policy and certification levers and standards development
  – Governance models and principles to facilitate HIE
2013 Key Topic Areas
EHR Safety

• Safety Plan Review
  – ONC HIT Safety Action and Surveillance Plan
  – Leveraging MU and certification to improve safe use of EHRs
  – Other ONC activities to improve safety
Privacy areas

- Patient identities in cyberspace
- Consent and control of information in automated query/response exchanges
- Challenges of implementing minors’ rights in cyberspace
- Personal representatives
- Cloud computing
- Right of access in electronic world
- Patient-generated data
• Managing and using patient data
  – Blue button – ongoing access
  – Combining and sharing data from multiple sources
  – Data overload – for patients and providers
  – Reconciliation of data
• Protecting downloaded patient data
• Shared decision making
2013 Key Topic Areas
New Models of Care

• Accountable care
  – Supporting population management
  – Longitudinal data and shared care plans across the continuum, including wellness
  – Supporting new payment models
  – Medicare Shared Saving Program requirements
2013 Key Topic Areas
Emerging Areas

• API for innovation
• Quality Improvement Plan Review
• Supporting Patient-Centered Outcomes Research and PCORI
• MU support of continuous learning for healthcare professionals (e.g., Maintenance of Certification)
• Leveraging “big data”
FY13 Standards Workplan

• **Category 1 - Quality and Safety**
  - Standards which support flexible platforms for measuring and reporting quality (QueryHealth, QRDA/HQMF)
  - Standards which support measurement of EHR usability
  - Standards which address current content gaps - HL7 version 2 lab orders, formulary downloads, cancel transaction needed for hospital discharge medication e-prescribing, representing genomic data in the EHR
  - Standards which support defect reporting to PSOs
  - Standards which support redundant data identification/reduction

• **Category 2 - Health Information Exchange**
  - Standards which support query/response of provider and patient identity in directories
  - Standards which support Record Locator Services
  - Standards which support consent in a query/response architecture such as granular patient privacy preferences hosted in a managed service ("pull") and sent as part of the request for records ("push")
  - Improvements to the CCDA standard to facilitate unambiguous parsing, longitudinal record sharing, and bulk record sharing
  - Standards to support image exchange
FY13 Standards Workplan

- **Category 3 - Consumer**
  - Standards to support representation of patient generated data including consumer device data
  - Standards to support consumer friendly terminology
  - Standards to support transport of data to and from patients
  - Standards to record advanced directives/care preferences
  - Standards to record care plans/care team

- **Category 4 - ACO/Population Health/Care Management**
  - Standards for clinical documentation supporting new payment models (includes ICD10, smart problem lists, computer assisted coding)
  - Standards needed for registry support including structured data capture and transmission to third party repositories
  - Standards to support closed loop referral workflow
  - Standards to support data comparability across entities including detailed clinical models
  - Standards for clinical decision support, both knowledge representation and application programming interfaces (APIs) for query/response to knowledge resources
FY13 Standards Workplan

• **Category 5- Privacy/Security**
  • Standards for securing data at rest, especially genomic data and consumer downloads
  • Standards for application programming interfaces supporting modular application integration
  • Standards supporting data segmentation for privacy
  • Standards and certification criteria that anticipate broad NSTIC adoption
  • Standards supporting Digital signature
OCR Findings Analysis
Security Top Issues

Security Audit Issues by Area

- Conduct Risk Assessment: 17
- Grant, Modify User Access: 17
- Incident Response: 11
- Contingency Planning: 34
- Media Reuse and Destruction: 18
- Encryption: 10
- User Activity Monitoring: 46
- Authentication / Integrity: 19
- Physical Access Controls: 9

Data as of June 2012.
OCR Findings
Preliminary Observations

• Policies and procedures
• Priority HIPAA compliance programs
• Small providers
• Larger entities security challenges
• Conduct of risk assessments
• Managing third party risks
• Privacy challenges widely dispersed throughout protocol
• No clear trends by entity type or size
Welcome!!  HIT Council structure per Chapter 118I (M.G.L. 118I, 2(b))

<table>
<thead>
<tr>
<th>Seat</th>
<th>Member</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chair: Secretary of Health and Human Services (or designee)</td>
<td>JudyAnn Bigby/Manu Tandon</td>
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<tr>
<td>Secretary of Administration and Finance (or designee)</td>
<td>John Letchford</td>
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<tr>
<td>Executive Director of the Health Policy Commission (or designee)</td>
<td>David Seltz</td>
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<tr>
<td>Executive Director of the Center for Health Information Analysis</td>
<td>Aron Boros</td>
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<tr>
<td>Director of the Massachusetts e-Health Institute</td>
<td>Laurance Stuntz</td>
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<tr>
<td>Secretary of Housing and Economic Development (or designee)</td>
<td>Eric Nakajima</td>
</tr>
<tr>
<td>Director of the Office of Medicaid (or designee)</td>
<td>Julian Harris</td>
</tr>
<tr>
<td>Expert in health information technology</td>
<td>Meg Aranow</td>
</tr>
<tr>
<td>Expert in law and health policy</td>
<td>Abigail Moncrieff</td>
</tr>
<tr>
<td>Expert in health information privacy and security</td>
<td>Deb Adair</td>
</tr>
<tr>
<td>From an academic medical center</td>
<td>John Halamka</td>
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<tr>
<td>From a community hospital</td>
<td>Norm Deschene</td>
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<tr>
<td>From a community health center</td>
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<tr>
<td>From a long term care facility</td>
<td>Bob Driscoll</td>
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<tr>
<td>From large physician group practice</td>
<td>Michael Lee</td>
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<tr>
<td>From a small physician group practice</td>
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<tr>
<td>Registered nurse</td>
<td>Margie Sipe</td>
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<tr>
<td>A behavioral health, substance abuse disorder or mental health services organization</td>
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<tr>
<td>Represent health insurance carriers</td>
<td>Steve Fox</td>
</tr>
<tr>
<td>2 members shall have experience or expertise in health information technology</td>
<td>Larry Garber</td>
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<td></td>
<td>Karen Bell</td>
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Mass HIway December release update:
Public facing components supporting the secure statewide exchange of patient health information was promoted to the Mass HIway production environment Dec 28, 2012!

Functional components included in this release:
- **Hosted Webmail (Early Adopter release v.1.0):** Webmail user can send and receive secure email with payload attachments, view and save attachments, and access provider directory.
- **LAND Device (General Availability (GA) Release v.1.0):** Supports interfaces for Golden Spike beta release plus local support of XDR, FTP, and HTTP (REST) and communication to the HIE via S/MIME XDR or the HIE proxy mode.
- **Clinical Gateway:** Supports two-way secure communication between EOHHS applications and HIway participant systems for Syndromic Surveillance, CBHI, and Immunization reporting. HIway address is @direct.clinicalgateway.masshiway.net.
- **Security:** Web based managed services in place to issue digital certificates to support secure messaging, Symantec certificates installed in production infrastructure and all LAND devices deployed during Golden Spike release and webmail.
## Consolidated HIE phasing proposal to CMS and ONC on October 23, 2012

<table>
<thead>
<tr>
<th><strong>HIE components</strong></th>
<th><strong>Phase 1</strong></th>
<th><strong>Phase 2</strong></th>
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</thead>
<tbody>
<tr>
<td>• Provider directory</td>
<td></td>
<td>• Master Person Index</td>
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<tr>
<td>• PKI infrastructure</td>
<td></td>
<td>• Record locator service</td>
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<tr>
<td>• Direct/HL7 gateway</td>
<td></td>
<td>• Consent database</td>
</tr>
<tr>
<td>• Web portal mailbox</td>
<td></td>
<td>• Patient-directed messaging</td>
</tr>
<tr>
<td>• Consent database</td>
<td></td>
<td>• Query/retrieve infrastructure</td>
</tr>
</tbody>
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<thead>
<tr>
<th><strong>HIE end-points</strong></th>
<th><strong>Phase 1</strong></th>
<th><strong>Phase 2</strong></th>
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</thead>
<tbody>
<tr>
<td>• Any TPO participant</td>
<td></td>
<td>• MassHealth clinical data repository</td>
</tr>
<tr>
<td>• Public health</td>
<td></td>
<td>• Medicaid/HIX participants</td>
</tr>
<tr>
<td>• SS, CBHI, MIIS</td>
<td></td>
<td>• Public health</td>
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<tr>
<td></td>
<td></td>
<td>• ELR, PMP, Opioid, Lead</td>
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A richer set of services available to a broader set of participants
## Mass HIway Phase 1 high level project schedule

<table>
<thead>
<tr>
<th>Initiative</th>
<th>Completion date</th>
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</thead>
<tbody>
<tr>
<td>Submit IAPD and SMHP to CMS</td>
<td>Complete – Nov 2011</td>
</tr>
<tr>
<td>Submit updated SOP to ONC</td>
<td>Complete – Feb 2012</td>
</tr>
<tr>
<td>EHR/HIE Vendor Roundtable</td>
<td>Complete – Dec 2011</td>
</tr>
<tr>
<td>Network Users Roundtable – Eastern MA</td>
<td>Complete – Q1 2012</td>
</tr>
<tr>
<td>Network Users Roundtable – Western MA</td>
<td>Complete – Q1 2012</td>
</tr>
<tr>
<td>CMS approval of APD-U/SMHP</td>
<td>Complete – Feb 2012</td>
</tr>
<tr>
<td>ONC approval of SOP and SOP budget</td>
<td>Complete – Mar 2012</td>
</tr>
<tr>
<td>RFR for Phase 1 services released to Infrastructure Vendors</td>
<td>Complete – Feb 2012</td>
</tr>
<tr>
<td>Infrastructure Vendor selected</td>
<td>Complete – Apr 2012</td>
</tr>
<tr>
<td>Infrastructure Vendor under contract</td>
<td>Complete – Jun 2012</td>
</tr>
<tr>
<td>Go-live for Phase 1 “Information Highway” (Direct Gateway)</td>
<td>Complete – Oct 2012</td>
</tr>
<tr>
<td>Go-live for Last Mile program</td>
<td>Complete – Oct 2012</td>
</tr>
<tr>
<td>Go-live for Phase 1 Public Health Gateway R2 (CBHI, SS)</td>
<td>Q1 2013</td>
</tr>
<tr>
<td>Go-live for Impact program</td>
<td>Q2 2013</td>
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Last Mile Activity Highlights

• Implementation & Support Vendor contract in final review
• EHR Vendor Interface Grants
  – Tier 1 released in November, due January 11
    • 5 will apply, 5 may apply, 3 will not apply
  – Tier 2 to be released in early February
• Community Collaboration and HIway Implementation Program in design and socialization
  – Merrimack Valley HIE Collaborative underway as prototype
  – Review with HIT Council at February 4th meeting
• Outreach, Marketing and Education
  – HIway Implementation Guide drafted
  – Use case guidance developed
  – Mass HIway Connector (newsletter) prepared
  – HIway FAQs drafted
  – 10 organizations implemented, 60 in the pipeline…
Questions?

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• http://geekdoctor.blogspot.com