MINNESOTA'S PHR FOR LTSS DEMO

Personal Health Record for Long Term Services and Supports

A CMS "TEFT" Planning & Demonstration Grant



AGENDA

- Welcome and Introductions
- PHR for LTSS Demo overview
- Q & A
- Interaction with other e-Health initiatives
- e-Health context and e-LTSS standard
- DHS Systems Modernization Framework
- Participation opportunities



WHAT IS THE PHR FOR LTSS DEMO?

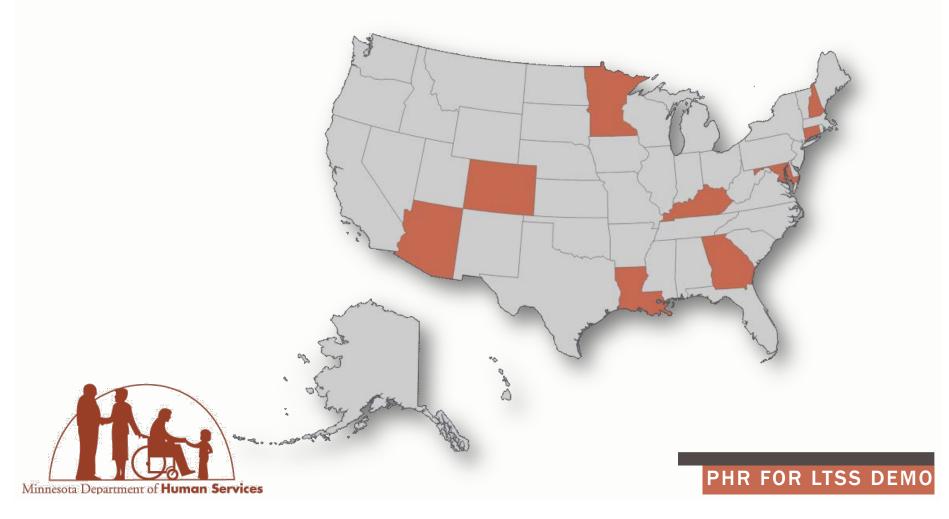
A Four year "TEFT" Planning and Demonstration Grant awarded to the MN Department of Human Services (DHS) by the Centers for Medicare & Medicaid Services (CMS) April 1, 2014 through March 31, 2018.

Personal Health Record for Long Term Services and Supports Demonstration



WHAT STATES ARE PARTICIPATING?

Other states participating: AZ, CO, CT, GA, KY, LA, MD, NH



WHAT ARE THE PHR FOR LTSS DEMO DELIVERABLES?

Demonstrate use of an untethered Personal Health Record (PHR) system with beneficiaries of CB-LTSS



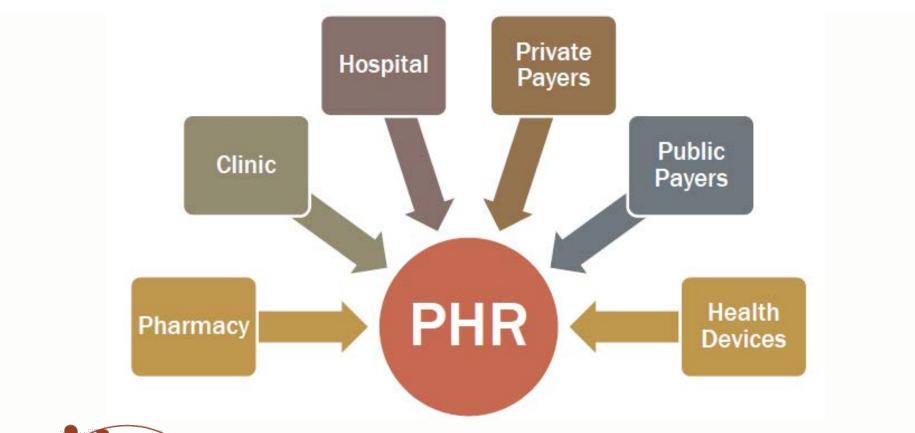
WHAT IS A PHR?

"An ideal PHR would provide a complete and accurate summary of the health and medical history of an individual by gathering data from many sources and making this information accessible online to anyone who has the necessary electronic credentials to view the information."

-CMS



WHAT IS A PHR?





WHAT IS AN <u>UNTETHERED</u> PHR?

A PHR that contains information from multiple sources and is not tied to any one provider or payer's system



WHAT ABOUT PRIVACY AND SECURITY?

 This project will adhere to all state and federal privacy, security and consent laws, mandates, standards and best practices



WHAT ARE THE PHR FOR LTSS DEMO DELIVERABLES?

2. Identify, evaluate and test an electronic Long Term Services and Supports (e-LTSS) standard with the Office of National Coordinator's (ONC) Standards and Interoperability (S&I) Framework Process



WHAT IS THE ONC S&I FRAMEWORK?

A process used by the Office of National Coordinator to define a standard for vocabulary, content exchange, transport, function and security for e-LTSS data





WHAT ARE THE PHR FOR LTSS DEMO DELIVERABLES?

3. Field test a beneficiary experience survey within multiple Community-Based Long Term Services & Supports (CB-LTSS) programs for validity and reliability



WHAT IS THE BENEFICIARY EXPERIENCE SURVEY?

- A tool developed by a CMS contractor to learn about the beneficiary's experience with LTSS services
- To be performed in person or on the phone



WHO WILL BE SURVEYED?

- Elderly Waiver (150)
- Brain Injury Waiver (60)
- Personal Care Assistance with Serious Mental Illness (150)



WHAT ARE THE PHR FOR LTSS DEMO DELIVERABLES?

4. Field test a modified set of Continuity
Assessment Record and Evaluation
(CARE) functional assessment measures
for use with beneficiaries of CB-LTSS
programs



WHAT IS THE MODIFIED CARE FUNCTIONAL ASSESSMENT?

- A CMS-developed assessment that identifies a select set of items appropriate for measuring beneficiary functional status, regardless of location of services.
- To be performed in person or on the phone



WHO WILL BE ASSESSED?

A sample of CB-LTSS recipients similar to those receiving the Beneficiary Experience Survey (EW, BI, PCA with SMI)

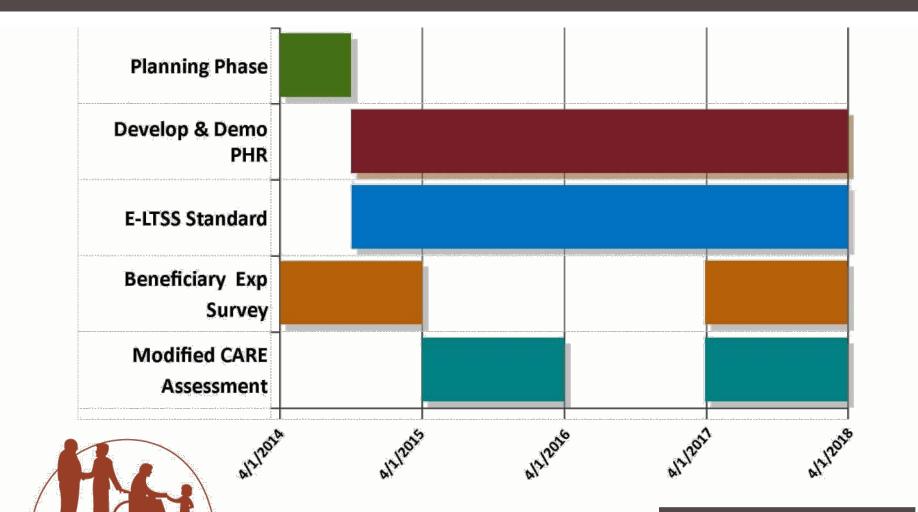


WHAT IS THE PHR FOR LTSS DEMO BUDGET?

- \$4 Million over four years
 - Initial six month planning phase up to \$500,000



WHAT IS THE PHR FOR LTSS DEMO TIMELINE?



Minnesota Department of Human Services

HOW DOES PHR FOR LTSS FIT WITH OTHER INITIATIVES IN MN?

Complements the Minnesota Accountable Health Model by providing additional resources so integrated community service delivery models can share health care, behavioral health, HCBS, and community prevention services information for personcentered/activated care

Minnesota Department of Human Services

QUESTIONS & ANSWERS





INTERACTION WITH OTHER E-HEALTH INITIATIVES

- Marty LaVenture PhD, MPH, FACMI
 - Director, Office of Health IT and e-Health Minnesota Department of Health



Coordinating, Collaborating, and Connecting Minnesota e-Health Activities

Marty LaVenture, MPH, PhD, FACMI
Director, Office of Health Information Technology & e-Health
Minnesota Department of Health





Building Effective Collaboration

If you want to go fast, go alone; If you want to go far, go together.

African proverb

Today

- Minnesota e-Health Landscape
- Considerations for Coordination, Collaboration and Connection
- Use the TEFT Opportunity to Inform, Educate & Learn

What is e-Health?

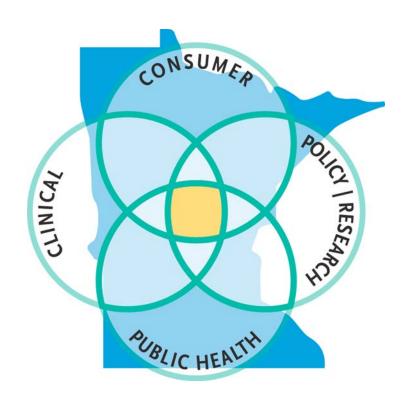
E-health is the adoption and effective use of electronic health record (EHR) systems and other health information technology (HIT) including health information exchange (HIE) to:

- Improve health care quality
- Increase patient safety
- Reduce health care costs
- Enable individuals and communities to make the best possible health decisions

Minnesota e-Health Initiative

A public-private collaboration established in 2004

- Legislatively chartered
- Coordinates and recommends statewide policy on e-health
- Develops and acts on statewide e-health priorities
- Reflects the health community's strong commitment to act in a coordinated, systematic and focused way



"Vision: ... accelerate the adoption and effective use of Health Information Technology to improve **healthcare quality**, increase **patient safety**, reduce **healthcare costs**, and enable individuals and communities to make the best possible **health decisions**."

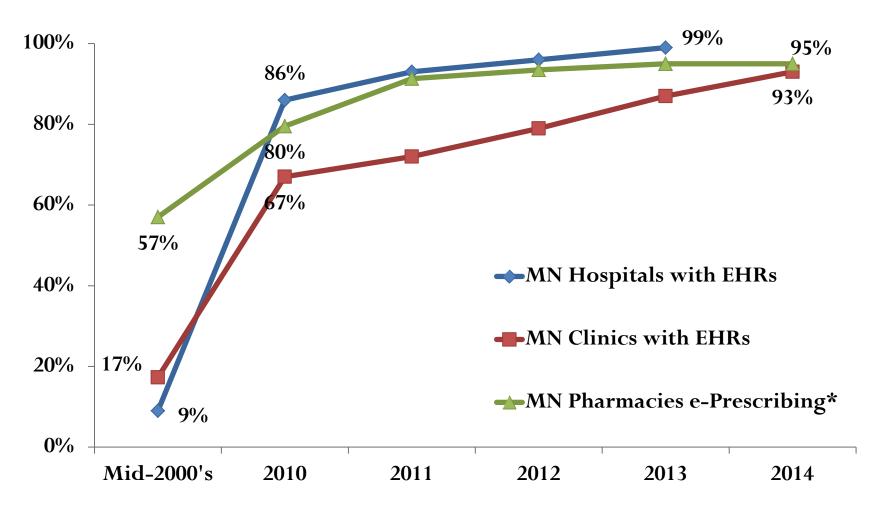
The Continuum of Care

- Adult Day Services
- Behavioral Health (Mental & Chemical)
- Birth Centers
- Chiropractic Offices
- Primary Care Clinics
- Specialty Care Clinics
- Complementary/ Integrative Care
- Dental Practices
- Government Agencies

- Habilitation Therapy
- Home Care Agencies
- Hospice
- Hospitals
- Laboratories
- Long Term Care Facilities
- Pharmacies
- Public Health
- Social Services
- Surgical Centers

http://www.health.state.mn.us/e-health/hitimp/2015mandateguidance.pdf

Remarkable Progress



^{*}Excludes pharmacies with the pharmacy class of medical device manufacturer Source: Minnesota Department of Health, Office of Health Information Technology, 2004-2014; Office of the National Coordinator, Surescripts

Provider: From Archival to Action









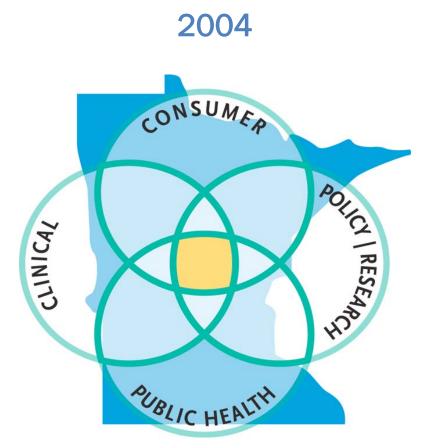
Consumer: From Isolated to Interactive

2004 2014



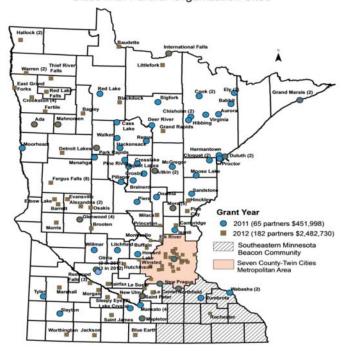


Community: From Concepts to Connections



2014

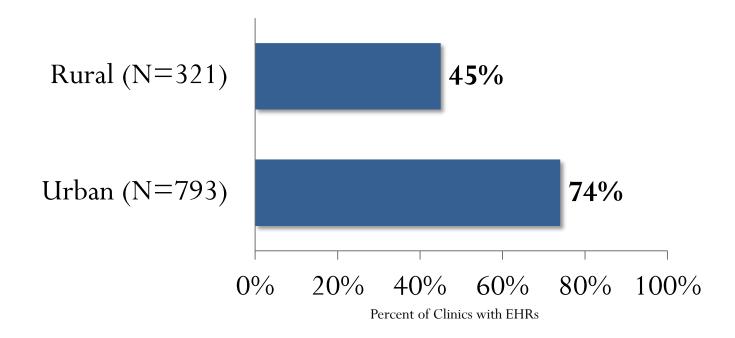
2011-2012 Minnesota e-Health Connectivity Grant Program for Health Information Exchange:
Cities with Partner Organization Sites



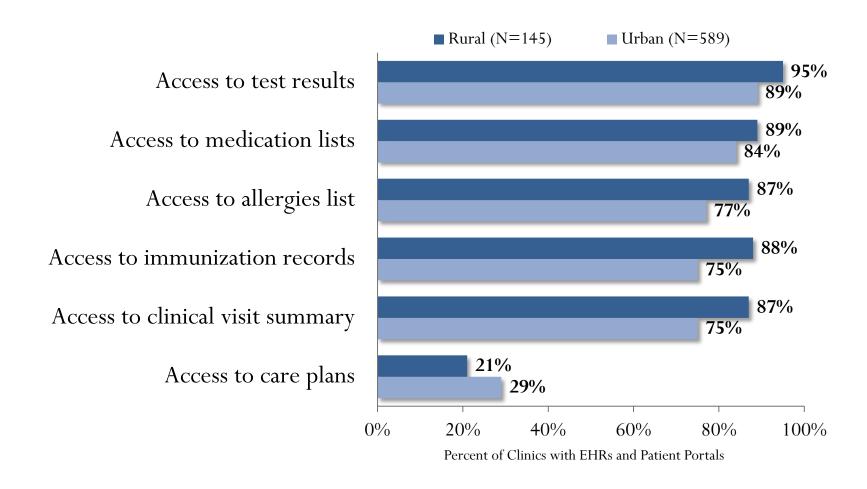
Considerations for Coordination, Collaboration and Connection



Percent of Clinics Offering Online Patient Portals, 2013



Online Services Offered Through Patient Portal, 2013



Considerations for TEFT Consumers, Providers, Community

- Align with a collective shared vision
- Support both individual and population health goals
- Assure access to services
- Understand / Assess the needs for access and capability
- Provide Value / Improve Care / Services
- Seek ways to increase health equity and decrease disparities
- Leverage the work of the Minnesota E-Health initiative

Considerations: Partners

- Minnesota e-Health Initiative
 - Advisory committee / workgroups
- State Innovation Model (SIM) Minnesota
- Provider Associations
- Consumer Organizations
- Community Groups
- Advancing Health Equity Partners
- Health Information Exchange Service Providers

Use the TEFT Opportunity to Inform, Educate & Learn

Questions

Marty LaVenture Kari Guida

Director Senior Health Informatician

OHIT

Minnesota Department of Health Minnesota Department of Health

Martin.LaVenture@state.mn.us Kari.Guida@state.mn.us

Consumer

- Use e-health for you and your family
 - Request a summary of clinic visit
 - Access your information through a patient portal or personal health record
 - Find a mobile app or website to increase your healthy behaviors
- Stay informed

Providers/Professionals/Practices

- Participate in e-health training & education
- Use, adapt and share e-Health tools
 - MN e-Health Guides
 www.health.state.mn.us/ehealth/ehrplan.html
 - Stratis Health Toolkits <u>www.stratishealth.org/expertise/healthit/index.html</u>
- Join / Participate in the Minnesota e-Health Initiative
 - Subscribe to e-Health updates www.health.state.mn.us/e-health/index.html
 - Participate in e-Health Initiative workgroups

Organizations / Associations

- Establish / advance an e-heath workgroup
- Create, encourage, and support opportunities for collaborations
- Stay engaged in e-health, SIM and TEFT activities
- Collaborate with organizations and other health care settings

PHR CONTEXT AND E-LTSS STANDARD

- Greg Linden MBA, CPHIT, CPEHR
 - Vice President, Information Services/Chief Information Officer, Stratis Health



An overview of PHRs in Minnesota for the PHR for LTSS Demonstration Project June 19th, 2014

Greg Linden MBA, CPHIT/CPEHR
CIO
Stratis Health

The Minnesota PHR Landscape

- ★ Working definitions of types of Personal Health Records (PHRs)
- ★ Review of PHR use from recent studies in three different settings:
 - Clinics
 - Hospitals
 - Nursing Homes
- ★ Current known PHR capabilities/initiatives of Health Information Exchange Service Providers (HIESPs)

PHRs can take different forms

★ "Tethered" or "Patient portal" model

- A PHR may be part of their healthcare provider's Electronic Health Record (EHR).
- This type of PHR enables the person to directly view relevant portions of their medical record within their provider's EHR
- Used broadly for many patients through the MyChart service associated with the Epic EHR

★ "Untethered" or "Internet-based service" model

- Individuals create a PHR on-line, then enter and manage their own information.
 - Some services allow the person to authorize their doctor to view or securely download the information from the PHR
 - The information can be printed and in some cases even loaded on to a portable device such as a "thumb drive."
 - Some services charge a fee but many do not

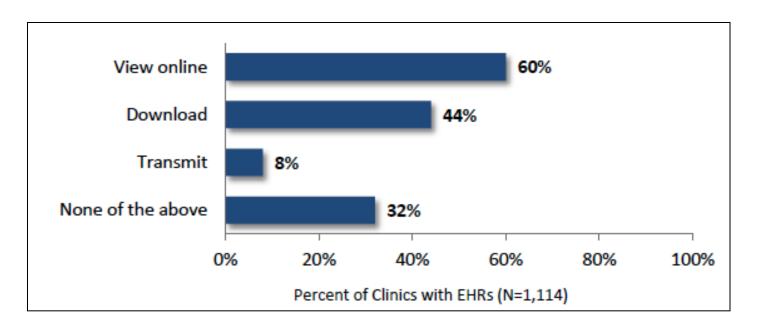
★ "Free standing" or "Portable" model

 This model is just like the internet-based model except that the PHR software and information is on a person's personal computer

Source: Minnesota e-Health Initiative Advisory Committee, Personal Health Records in Minnesota, June 28, 2007

Clinics: Portability of Personal Health Information is Limited

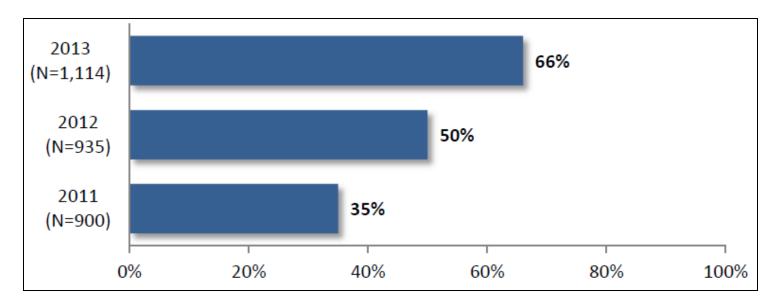
- Sixty percent of clinics with EHRs provided patients with the option to view their patient health information online.
 - Fewer clinics (44%) offered the option to download that information to a physical electronic media, and just 8% offered the option to electronically transmit their patient health information.



Percent of Clinics Offering Online Patient Portal, 2011-2013

A Growing Number of Clinics Offer Patient Portals

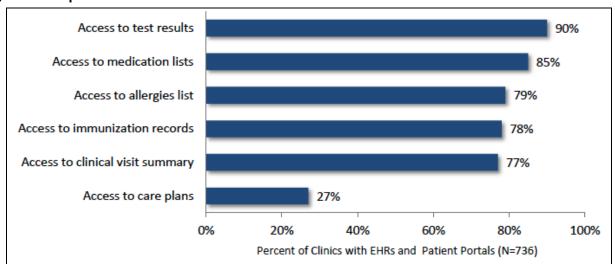
- Patient portals are an internet application maintained by the clinic or provider organization that allow patients to access their electronic health records and permit two-way communication between patients and their health care providers.
 - Two-thirds of clinics with EHRs (66%) offered an online patient portal, up from 50% in 2012, and 35% in 2011.



Percent of Clinics Offering Online Patient Portal, 2011-2013

A Growing Number of Clinics Offer Patient Portals (cont.)

- Among clinics with EHRs and online patient portals, most offered several access options:
 - 90% of these clinics provided access to test results
 - 85% offered access to medication lists
 - About four in five offered access to allergy lists (79%), immunization records (78%), clinical visit summaries (77%).
 - Just one in four of these clinics (27%) offered patients access to their care plans through their portal.



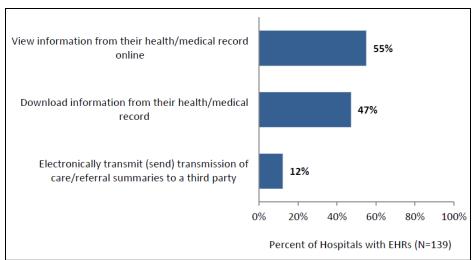
Online Services Offered Through Patient Portal, 2013

A Growing Number of Clinics Offer Patient Portals (cont.)

- ★ About two-thirds of clinics with EHRS that offer patient portals provided additional electronic services through the portal or other methods.
 - Administrative services offered included:
 - Online bill pay (71%),
 - Online appointment scheduling (68%)
 - Electronic appointment reminders (68%)
 - Two-thirds of these clinics (68%) offer secure message or email
 - Less common options included electronic reminders for:
 - preventive care (55%) or for follow-up care (46%)
 - patient education materials (42%)
 - e-visits (40%)
 - blogs or online support groups (9%).

More Hospitals Offer Patient Access to Health information

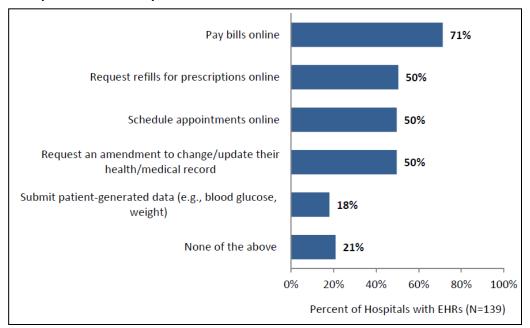
- ★ Nearly four in five hospitals (79%) provide patients with access to their personal health information, up from 51% in 2012.
- ★ However, much of this access does not meet the patient access requirements for meaningful use:
 - To be able to view personal health information (55%)
 - Download their information (47%)
 - Electronically transmit information to a third party (12%)



Patients' Electronic Access to Health Records – Meaningful Use Functionality, 2013

More Hospitals Offer Patient Access to Health information (cont.)

- ★ Aside from meaningful use functionalities, the most common electronic health record functionality available to patients is to pay bills online (71%).
 - Half of hospitals allow patients to request refills for prescriptions online (50%), request an amendment to change/update their health/medical record (50%), and schedule appointments online (50%).
 - Just 18% of hospitals allow patients to submit their own health information online.



Patients' Electronic Access to Health Records – Other Available Functions, 2013

Nursing Homes

- Few nursing homes, 17%, provide electronic access to health information.
 The most common method was personal health record (10%)
- **★** The most commonly shared information included:
 - Progress notes (7)
 - Care plans (5)
 - Test results (5)

Method to Provide Electronic Access	Percent (Number)
Personal Health Record	10% (21)
Secure Email	5% (10)
Place information on physical device (flash drive)	2% (4)
Portal access with internet	2% (4)
Do not provide electronica access/Do not know	83% (181)

Methods Nursing Homes Use to Provide Residents and/or Residents' Family Electronic Access to Health Information (N = 217)

Current known PHR capabilities/initiatives of HIESPs

* CHIC

- State-Certified HIESP
- Has PHR capabilities offered through its Orion Rhapsody HIE platform
- Currently in limited use for specific population(s)

* Relay Health

- Currently going through the HIESP Certification process
- Has PHR capabilities offered through its HIE platform
- The Fergus Falls community in Fergus Falls is evaluating the Relay Health PHR capability as a possible community health record solution





Introduction to S&I Framework's
Longitudinal Coordination of Care (LCC) and
electronic Long-term Services & Support
(eLTSS) Initiative

Greg Linden
CIO, Stratis Health
June 19, 2014



Agenda



- Introduction to ONC Standards & Interoperability Framework
- Longitudinal Coordination of Care (LCC) Background
- Introduction to new eLTSS Initiative
- Next Steps

What is the S&I Framework?



- The Standards and Interoperability (S&I) Framework represents one investment and approach adopted by ONC to fulfill its charge of prescribing health IT standards and specifications to support national health outcomes and healthcare priorities
- Consists of a collaborative community of participants from the public and private sectors who are focused on providing the tools, services and guidance to facilitate the functional exchange of health information
- Uses a set of integrated functions, processes, and tools that enable execution of specific value-creating initiatives



S&I Initiatives' Standards



Building Blocks	Sample Standards	S&I Initiative(s)
Vocabulary	LOINC, SNOMED,	Health eDecisions (HeD)
	RxNORM, ICD-10	Structured Data Capture (SDC)
		Clinical Quality Framework (CQF)
Content	CCDA, HQMF, QRDA	HeD, SDC, CQF
	FHIR	Transitions of care (ToC)
	ISO/IEC 11179, ISO/IEC 19763	Longitudinal Coordination of Care (LCC)
	HL7 2.5.1	BlueButton+
		eLTSS (NEW*)
Transport	DIRECT, SOAP, REST	Electronic Submission of Medical
	OpenID, OAuth	Documentation (esMD)
		DIRECT, ToC, SDS,
		BlueBotton+, eLTSS (NEW*)
Security	DIRECT, OpenID, OAuth,	esMD, Data Provenance
	NSTIC, X.509	Data Segmentation for Privacy (DS4P)
		DIRECT
Services	DNS+LDAP	Lab Orders & Lab Results Interfaces
		Data Access Framework (DAF)
		BlueButton+ API

e-LTSS Record Exchange: Conceptual Workflow



Service Team

Input Data

Assemble & prioritize Inpu data of e-LTSS Record

- Create e-LTSS Record
- Sign e-LTSS Record

SAMPLE Convert, populate and display e-LTSS Record

Store/Send Signed e-LTSS Record



Beneficiary Transition



SETTING B

Input Data

Review Signed e-LTSS Record

Displays Input Data

- Perform Assessments
- Modify e-LTSS Record
- Prioritize, reconcile e-LTSS Record Elements
- Sign e-LTSS Record

Displays Input Data



Receive, incorporate & display e-LTSS Record



Store/Send Signed e-LTSS Record



Receive & display e LTSS Record

Displays Input Data

Actor Key



HIT Syste

PHR App

* This is a feedback loop. Updates to the e-LTSS Record are continuously exchanged between the Sending and Receiving Service Teams and HIT systems.



Review e-LTSS Record *Modify eLTSS Record (out of scope)

LCC Workgroups Structure



COMMUNITY-LED INITIATIVE

Longitudinal Coordination of Care Workgroup

Longitudinal Care Plan SWG

3

Completed in

 Identified standards for Care Plan exchange

LTPAC Care Transition SWG

 Identified data elements for long-term and postacute care (LTPAC) information exchange using a single standard for LTPAC transfer summaries

HL7 Tiger Team SWG

 Ensured alignment of LCC Care Plan activities with related HL7 Care Plan standardization activities

Patient Assessment Summary (PAS SWG)

 Identified standards for the exchange of patient assessment summary documents

Pilots WG (ACTIVE)

Validation and testing of LCC
 WG identified Standards

eLTSS WG (NEW*)

Est. start Fall 14

 Identification and testing of new eLTSS Standard

CMS TEFT LTSS Program



- In March 2014 CMS awarded planning and demonstration grants to qualified states for Testing Experience and Functional Tools (TEFT) in Medicaid community-based long term services & supports (LTSS)
- Total grant program ~\$42M, up to 4 years
- Purpose is to provide national measures and valuable feedback on how HIT can be implemented in this component of the Medicaid system
- 8 of 9 states confirmed to participate in S&I Framework:
 - AZ, CO, CT, GA, KY, LA, MD, MN

Role of S&I Framework in TEFT Program



Focus on two of four components:

- Demonstrate use of PHR systems with beneficiaries of CB-LTSS*
- 2. Identify, evaluate and harmonize an e-LTSS standard in conjunction with the ONC S&I Framework
- 3. Test a beneficiary experience survey within multiple CB-LTSS programs for validity and reliability
- Test a modified set of CARE functional assessment measures for use with beneficiaries of CB-LTSS programs

^{*} States participating in the PHR demonstrations must also participate in e-LTSS S&I Process

S&I Components: PHR demonstration



- States that elect to demonstrate use of PHR systems must also participate in eLTSS S&I process
- States that participate in eLTSS component do NOT have to participate in PHR demonstration
 - However, CMS strongly urges cross-participation
- States that choose to test additional quality measures as part of the use of PHR systems are expected to share those measures with CMS
 - Measures from Medicaid Adult Health Quality
 Measure core set and other State-specific quality
 measures for relevant populations

PHR demonstration Requirements



- PHR System functionality must enable:
 - Collection of Medicaid adult core quality measures
 - Collection of CB-LTSS information
 - Collection of "Treatment" outcomes identified through eLTSS record
 - Dissemination of this information among individuals, their families/guardians, case managers and providers
- States can choose to use the following PHR systems:
 - DoD provided PHR Systems:
 - iPHEMS (Information Personal Healthcare Exchange Management System): PHR data broker
 - DoD HERMES: PHR data engine for survey administration
 - Pre-specified Commercial PHR
 - State-sponsored and developed PHR (i.e. State HIE Patient Portal)

PHR demonstration Requirements (cont'd) In Health IT

- For commercial or state developed PHR systems,
 States encouraged to use PHRs that meet ONC VDT certification criteria or that include equivalent functionality
- States can use TEFT grant funds to customize and connect the PHR system with the eLTSS record and state IT systems
- Beneficiaries/Caregivers and Providers must be included in state's process to plan, customize and implement the PHR system

S&I Components: eLTSS Standard



- States are required to identify and provide participants for S&I eLTSS Initiative
- Once eLTSS standard is identified, states must test and validate standard with CB-LTSS providers and with beneficiary PHR systems
 - Will be initiated through Pilot Phase of S&I Framework process
- States will be provided with scoring incentives for participating in eLTSS initiative
 - CMS expects states participating in this component to have higher cost for planning and implementation

Next Steps for eLTSS Initiative



- eLTSS Initiative will be launched as new workgroup under the existing S&I Longitudinal Coordination of Care (LCC) Initiative
- CMS TEFT grantees will be invited to participate in eLTSS Initiative as part of their grant program requirements
- eLTSS Initiative will also be open for other stakeholder groups to participate:
 - Other States and State Medicaid Offices
 - LTSS system vendors
 - Other HIT systems
 - LTSS Providers and Facilities
 - Consumer Engagement Organizations
- Timeline: eLTSS Initiative will launch Fall 2014 and will run for duration of CMS TEFT grant program (3 years)

Contact Information Putting the I in Health IT www.HealthIT.gov

Greg Linden

CIO

Stratis Health

glinden@stratishealth.org

952-853-8514

- Rick Bagley
 - •MN-IT @DHS: Continuing Care Administration Business Architect



Enterprise Systems Modernization (ESM) 08/2012 - 09/2013

 DHS engaged KPMG to assist the Department in moving forward with its vision for an integrated human services delivery system and Enterprise Systems Modernization



Enterprise Systems Modernization (ESM) 08/2012 - 09/2013

The initiative was intended to develop a strategic plan and roadmap for Enterprise Systems Modernization that supports DHS's vision for statewide integrated human services delivery



Enterprise Systems Modernization Roadmap Report

 Provided DHS with detailed key decision points and strategies for enterprise systems modernization including the implementation strategy, resource requirements, and costing scenarios



PHR WITHIN SYSTEMS MODERNIZATION FRAMEWORK

Enterprise Systems Modernization (ESM)
 Business Intelligence (BI) Strategy,
 03/2013 - 09/2013

 Provided DHS with findings and recommendations based on an assessment of DHS's Business Intelligence and Data Warehousing capabilities



PHR WITHIN SYSTEMS MODERNIZATION FRAMEWORK

Enterprise Systems Modernization (ESM)
 Business Intelligence (BI) Strategy,
 03/2013 - 09/2013

 Addressed BI in four dimensions – Governance and Organization, Business Alignment, Information Architecture, and Application and Technology Architecture

Minnesota Department of Human Services

PHR WITHIN SYSTEMS MODERNIZATION FRAMEWORK

Enterprise Systems Modernization (ESM)
 Business Intelligence (BI) Strategy,
 03/2013 - 09/2013

The assessment resulted in the identification of a recommended future state BI vision and strategy for DHS



Planning Phase Deliverables will leverage existing modernization efforts



- 1. Target Operating Model and Business Requirements
 - High level definition of the business functions involved in LTSS service delivery
 - Focused on the requirements for Electronic Health Record (EHR) data sharing with providers, payers, and beneficiaries

- 1. Target Operating Model and Business Requirements (cont.)
 - Leveraging the ESM target operating model and elaborating on relevant LTSS functions



2. Target Architecture

- Applications architecture
- Information architecture



3. Roadmap

- Implementation Strategy
- Implementation timeline



WHO HAS BEEN ASKED TO PARTICIPATE?

PHR for LTSS Demo's six-month planning period will include current stakeholders in:

- MDH MN e-Health Initiative
- MDH Office of Health Information Technology
- Regional Extension Assistance Center for Health IT



WHO HAS BEEN ASKED TO PARTICIPATE?

- DHS' Health Care Administration
- Special Needs Purchasing
- Continuing Care
- Chemical and Mental Health
- MCOs



WHO HAS BEEN ASKED TO PARTICIPATE?

- Health Care Providers
- Home and Community-based Providers (HCBS)
- Advocates
- Consumers



HOW CAN YOU PARTICIPATE?

- Contribute through existing channels
- Subscribe to receive PHR for LTSS Demo Updates
- Visit the PHR for LTSS Demo Web page http://www.dhs.state.mn.us/main/dhs16_184574
- Respond to requests for information and opinions



QUESTIONS & ANSWERS





WHERE CAN YOU LEARN MORE ABOUT PHR FOR LTSS?

- Business Project Manager: Tom Gossett
 - tom.l.gossett@state.mn.us
 - 651-431-2601
- Learn more at the PHR for LTSS Demo Web Page:

http://www.dhs.state.mn.us/main/dhs16_184574

