

# Caring Means Sharing

## Benefits of Participating in a Health Information Exchange as an LTPAC Provider

PHCA 2018 Annual Convention & Trade Show

November 13<sup>th</sup>, 2018



## Agenda

1. Welcome and Introductions
2. HSX Overview & Membership
3. HSX Services Overview
  - Encounter Notification Service
  - Clinical Data Repository Service
  - Direct Secure Messaging
4. CMS Bundled Payment Models
5. Utilization of HSX Services in the LTPAC Setting
  - Provider Scenarios
6. Consent Management
7. Engagement & Adoption Approach
8. PA-DHS 2019 Post-Acute Grant Opportunities
9. Next Steps and Contracting

# Welcome & Introductions

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# HSX Overview & Membership

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## HSX OVERVIEW &amp; MEMBERSHIP

## What is HealthShare Exchange?

HSX is a non-profit health information exchange (HIE) organization serving the Greater Philadelphia Region.

- The **HSX Mission** is to provide secure access to health information that enables preventive and cost effective care; improves the quality of care; and facilitates the transitions of care.
- The **HSX Vision** is to build a trusted community of healthcare stakeholders collaborating to deliver better healthcare to patients.

## HSX OVERVIEW &amp; MEMBERSHIP

## Who are we?

- A non-profit – 501(c)(3) – **Member Organization**.
- Corporation formed in **May 2012**.
- Board and Governance formed in **January 2013**.
- **Staff of 21 FTEs**, technology vendors, consultants, several college interns and incredible volunteerism from our members.
- **Geography Focus** - City of Philadelphia and surrounding counties: Bucks, Montgomery, Chester, Delaware and Philadelphia counties.
- Plans to **expand coverage** as current members and participants become connected.



## HSX OVERVIEW &amp; MEMBERSHIP

## HSX Current Membership

### Acute-Care Hospitals & Health Systems

- 46 Hospitals

### Specialty Hospitals

- Physicians Care Surgical Hospital
- Rothman Orthopaedic Specialty Hospital

### Post-Acute Care Facilities

- 60+ Facilities Contracted

### Home Health Organizations

- Aurora Homecare & Hospice
- CareGivers America Home Health
- Maxim Healthcare Services
- Mercy Home Health
- Southeastern Home Health Services

### Behavioral Health Organizations

- Collaborative Care
- Creative Health Services
- Eagleville Hospital
- Elwyn
- Northwestern Human Services
- Springfield Psychological
- Valley Forge Medical Center

### Health Plans

- Aetna, Inc.
- Aetna Better Health
- AmeriHealth Caritas
- AmeriHealth New Jersey
- Health Partners Plans
- Independence Blue Cross
- United Healthcare, Inc

### Clinically Integrated Network

- Doylestown Healthcare Partnership

### Independent Ambulatory Practices (includes Federally Qualified Health Centers)

- More than 110 organizations contracted

### Accountable Care Organizations

- Aledade, Inc.
- Delaware Valley ACO
- Fresenius Health Partners
- Mercy Accountable Care
- Philadelphia-Camden Integrated Kidney Care
- Quality Health Alliance
- Tandigm

## HSX OVERVIEW &amp; MEMBERSHIP

## HSX Post-Acute Membership

### Skilled Nursing and Long Term Care Facilities

- Abramson Center For Jewish Life
- ACTS (8 Facilities)
- Angela Jane Pavilion
- Attleboro Nursing & Rehab Center
- Buckingham Valley Nursing and Rehab
- Cheltenham Nursing & Rehab Center
- Deer Meadows Rehabilitation Center
- Genesis Healthcare (14 Facilities)
- Holy Redeemer (2 Facilities)
- Luther Woods Nursing & Rehabilitation Center
- Majestic Oaks Rehabilitation and Nursing Center
- ManorCare Health Services (7 Facilities)
- MIMA Healthcare (6 Facilities)
- Nationwide Healthcare Services (4 Facilities)
- Pickering Manor
- Pine Run Retirement Community-Doylestown Health
- Richboro Rehabilitation and Nursing Center
- Rivers Edge Nursing & Rehabilitation
- Skyline Healthcare
- Tel Hai Retirement Community
- The Hill at Whitemarsh
- Twining Village
- Willowcrest-Einstein Healthcare Network

HSX OVERVIEW & MEMBERSHIP

## HSX Electronic Health Record Vendors

- AllScripts
- Athenahealth
- Centricity
- Cerner
- eClinicalWorks
- Epic
- HealthMEDX
- HomeCare HomeBase
- MatrixCare
- Meditech
- NetSmart
- NextGen
- PointClickCare
- SOS



SERVICE OVERVIEW

## Service Offerings for LTPAC Providers

- **Encounter Notification Service**
  - By subscription, requested patient emergency, inpatient, and skilled nursing admits and discharges are sent to participants.
  - Subscription can be built off of Admission, Discharge, Transfer (ADT) Data to auto-subscribe for patients or through the provision of a patient roster to HSX.
  
- **Clinical Data Repository (CDR) Service**
  - Secure Access to a Centralized Repository of Health Information from Multiple Hospitals and Providers in the Trust Community.
  - Web-portal access to a longitudinal clinical record for patients.
  - Provide ADTs and Continuity of Care Documents to the HSX Clinical Data Repository.
  - Provide Oasis, MDS and Care Plans for the CDR.
  
- **Direct Secure Messaging**
  - Expansive Provider Directory.
  - Web Portal Access can be provided, if needed.
  - Supports Bi Directional Communication Between Trusted Sources to promote more streamlined transitions of care.

SERVICE OVERVIEW

## Encounter Notification Service

### Encounter Notification Service (ENS)

- By subscription, requested patient emergency and inpatient admits and discharges are sent to participants (real-time or as a summary list).
- Breadth of notifications dependent on ADT feeds HSX members provide (50+ facilities as of October 2018).
- Scope of subscribed patients based on provider or organization.

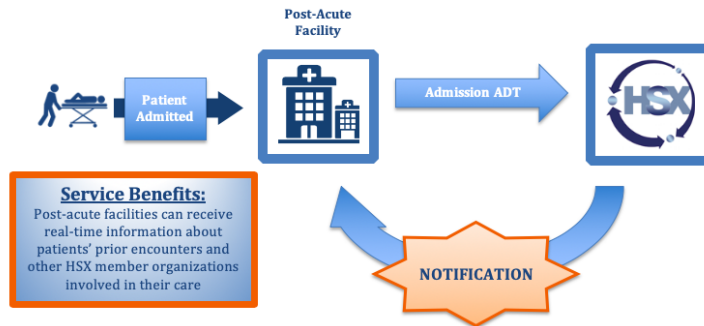


## SERVICE OVERVIEW

## Encounter Notification Service Smart Alerts

### Prior Hospital Utilization Notification for Post-Acute Care Facilities

- A real-time alert about a patient admitted to a post-acute care facility has been discharged previously within the last 30 to 45 days.
- Provides discharge diagnoses.
- Indicates other HSX subscribing organizations for the patient.



## SERVICE OVERVIEW

## Encounter Notification Service for Facilities

- Notification to subscribing facilities about discharged patients who are subsequently admitted to a HSX-Member emergency department or hospital within a specified period of time.
- Notifications are delivered real-time or as a summary list.
  - Subscribing participants have choice of frequency of notifications and how they are delivered (e.g. direct secure messaging, SFTP, ENShare).

**Subscribers must provide Admit, Discharge, Transfer (ADT) feeds to HSX to use this service. These ADT feeds are also used to notify other subscribing organizations about post-acute admissions and discharges.**

## SERVICE OVERVIEW

## Encounter Notification Service Participant Preferences

Subscribing Participants can choose what type of notifications, based on trigger events, they'd like to receive and how often and through what method they will receive notifications.

### Options for Trigger Events

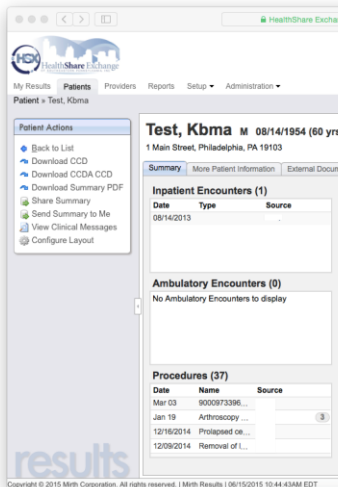
- ED Admission
- ED Discharges
- Patient Transfer (e.g. ED to Inpatient)
- Inpatient Admission
- Inpatient Discharges

### Options for Frequency & Method

- In Real Time
  - As Individual Messages
  - Using ENShare (web-based tool)
- Once a Day, Twice a Day or Weekly
  - As a Summary List (file is readable in Microsoft Excel)
    - Delivered via Direct Secure Message OR
    - Delivered to the HSX SFTP site set up for the member

## SERVICE OVERVIEW

## Clinical Data Repository (CDR) Service



- A **central repository**, hosted by HSX, that contains clinical data provided by its Participants
- Provides access, using **designated role-based controls**, to view a **patient's longitudinal health record**, based on data sources contributing across the region
- Access granted through a portal or **integration with an electronic health record**
- **Complementary** to other population health, care coordination and reporting tools/platforms
- Data gathered to date includes **ADTs to support the Encounter Notification Service**
- Implementation work underway to include **CCDAs** from Hospital Members; **expanding to Ambulatory, Post-Acute Care Facilities, etc.**
- Post-Acute Care and Home Health data feeds may include **MDS and OASIS data** which can be converted to CCDAs



## SERVICE OVERVIEW

## Clinical Data Repository



HealthShare Exchange

HSX CDR Prod  
Provider, Training

Patients  
Patient » Zztest, Zzdemo

**Zztest, Zzdemo** Male 01/01/1980 (38 yrs) (Community ID:7974261)  
1801 MARKET STREET, Philadelphia, PA 19103

Summary More Patient Information External Document Search Patient Groups P3N Documents

**Inpatient Encounters (4)** **Other Encounters (25)**

Date	Admission Type	Source
04/18/2018	Routine	DOH
04/18/2018	Routine	DOH
10/24/2017	Semi-urgent admission	DGE
10/19/2017	Emergency	ATC

**Ambulatory Encounters (7)**

Date	Admission Type	Source
04/17/2018		DVCH
02/16/2018	Elective	TJUAMB
01/09/2018	Elective	TJH
11/03/2017		ENHF

**Laboratories (7)** **Imaging (0)** **Other Orders (14)**

Date	Name	Source
10/22/2017	CRP QNT	AEMC
10/22/2017	Sed Rate	AEMC
10/22/2017	Folate	AEMC
10/22/2017	Vit B12	AEMC

**Conditions (75)**

Title	Reported	Source
Left bundle branc...	04/23/2018	CCP
Benign essential ...	04/23/2018	CCP
Normal pregnanc...	04/17/2018	DVCH
Encounter for cou...	04/18/2018	DVCH

**Medications (81)**

Date	Name	Source
03/20/2018	doxylamine succi...	DVCH
03/20/2018	Vitamin B6 25 MG...	DVCH
03/20/2018	Prenatal 28 mg ir...	DVCH
12/26/2017	Bisacodyl 10 Mg/...	JEFEDA

**Social History (16)** **Family History (1)** **More**

Question	Answer	Source
Tobacco use and...	Never smoked to...	CCP
Alcohol use	ETOH USE Current	CCP
Nutritional obser...	soda	DVCH
	Never smoked to...	DVCH

**Procedures (27)**

Date	Name	Source
04/23/2018	Electrocardiogram...	CCP
04/16/2018	OFFICE/OUTPATL...	DVCH
12/06/2017	Completed INTR...	JH
11/07/2017	Completed INTR...	JH

**Allergies (24)** **Immunizations (7)**

Allergen	Reactions	Reported
FLAGYL	UNK	04/23/2018
propranolol HCl	UNK	10/24/2017
Neomycin	Itching (finding)	04/26/2017
Erythromycin	Itching (finding)	04/26/2017

**Documents (7)** **Transcriptions (0)**

Date	Name	Source
	Einstein Discharge...	ENHF
	Main Line Health ...	RGE
	Doylestown Disch...	DOH
	Temple Jeanes Ho...	JH

recuite

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## SERVICE OVERVIEW

## CDR – Current Robust Clinical Data Feeds

## Continuity of Care Documents

- Aria – Jefferson Health
- Doylestown Hospital and Ambulatory Practices
- Cardiology Consultants of Philadelphia
- Einstein Healthcare Network
- Jefferson University Hospitals/Ambulatory Practices
- Temple – Jeanes Hospital
- Main Line Health
- Delaware Valley Community Health
- Community Health and Dental Care
- Philadelphia College of Osteopathic Medicine

..... &amp; Growing!!

## Lab Feeds

- Abington – Jefferson Health
- Einstein Healthcare Network
- Hahnemann University Hospital
- Holy Redeemer Hospital
- St. Christopher's Hospital for Children
- St. Mary Medical Center



HealthShare Exchange

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SERVICE OVERVIEW

# Direct Secure Messaging

## Discharge Information

- Allows timely send of a continuity of care document (CCD) after discharge to another care provider using Direct Secure Messaging (Simple Direct or Enhanced Direct).
- HSX Members/Participants leverage the Master Provider Directory of direct addresses to send discharge information (i.e. Simple Direct).
- **Rehabilitation Hospitals, Skilled Nursing Facilities, and Home Health Organizations can receive discharge information from acute care hospitals and also leverage the Master Provider Directory to send discharge information to downstream providers in the community.**



SERVICE OVERVIEW

# Discharge Document Example

## Table of Contents

- [Allergies](#)
- [Problem List](#)
- [Discharge Medications](#)
- [Immunizations](#)
- [Procedures](#)
- [Results](#)
- [Chief Complaint](#)
- [Vital Signs](#)
- [Hospital Course](#)
- [Discharge Instructions](#)
- [Encounter Diagnosis](#)

### Allergies

Allergy	Category	Classification	Reaction	Severity	Onset
Latex	Drug	Allergy	Hives	Mild	
Latex	Environmental	Allergy	Hives	Mild	
No Known Food Allergies	Food				

### Problem List

Problem List current as of 06/12/2014

Problem	Onset	Text Resolved	Text Status	Last Updated	Code
Abdominal Colic	04/07/2012		ACTV	06/21/2012	9991008
Anxiety Disorder	03/19/2013		ACTV	04/26/2013	197480006
Diabetic Complication	04/19/2013		ACTV	05/24/2013	74627003

### Discharge Medications

Discharge Rec. has not been completed.

### Immunizations

No Immunization information exists for this episode.

### Procedures

No Procedure information exists for this episode.

### Results

Laboratory (Results from 06/05/2014 through 09/19/2014) Last Activity: 06/11/2014 08:35

Result Date	Result Type	Result Value
06/11/2014 08:35	WBC	10.9 (4.8-10.8) K/UL
06/11/2014 08:35	RBC	3.18 L (4.20-5.40) M/UL

# CMS Bundled Payment Models

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## CMS BUNDLED PAYMENT MODELS

### Bundled Payments for Care Improvement (BPCI) Initiative- Models 2 and 3

Impact post-acute care settings with retrospective bundled payment arrangements.

#### Model 2

- Episode includes inpatient stay in an acute care hospital, post-acute care and all related services up to 90 days after hospital discharge.

#### Model 3

- Episode of care is triggered by an acute care hospital stay, but begins at the start of post-acute care services (SNF, Rehab, LTAC or Home Health).

Source: [CMS.gov/BPCIModel2and3](https://www.cms.gov/BPCIModel2and3)

## CMS BUNDLED PAYMENT MODELS

## Bundled Payments for Care Improvement (BPCI) Initiative- Advanced

A single retrospective bundled payment with one risk track and 90-day Clinical Episode.

- Voluntary model
- 29 Inpatient Clinical Episodes
  - Includes LTPAC services unless eligible for a Payment Policy Waiver (ie. 3-Day SNF Rule, Telehealth and Post-Discharge Home Visit Services)
- 3 Outpatient Clinical Episodes
- Advanced APM
- Payment tied to performance on quality measures

**Utilization of the HSX ENS for Facilities Autosubscribe service would allow acute care hospitals and post acute providers to receive timely notification of patient discharges to accurately manage expectations of the BPCI Initiative.**

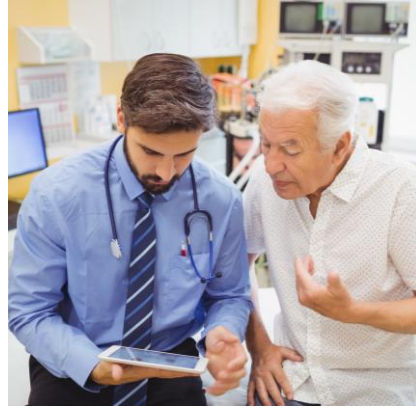
Source: [CMS.gov/BPCIAdvanced](https://www.cms.gov/BPCIAdvanced)

# HSX Services in the LTPAC Setting

## HSX SERVICES IN THE LTPAC SETTING

## Provider Scenarios

1. **Encounter Notification Service-**  
Patient discharged from a hospital to a SNF
2. **Encounter Notification Service-**  
Patient discharged from on SNF and readmitted to another SNF
3. **Clinical Data Repository-**  
Patient X is admitted to Y SNF without any paperwork and chart was left at the hospital
4. **Direct Secure Messaging-**  
Attending physician at Hospital X need to send discharge information to SNF Y
5. **Direct Secure Messaging-**  
Specialist X needs to send a referral to PCP Y for patient at AL/PC Z



# Patient Consent Management

## PATIENT CONSENT MANAGEMENT

## Patient Consent & Release of Information

### HSX Opt-Out Policy

- HSX operates as an Opt-Out model in alignment with the Commonwealth, i.e., patients have the right to block electronic access to their information through a health information exchange.
- Post-acute and home health organizations will need to make information available about how to opt-out.
  - **Patient notification for Participation with HSX is Required.**
  - One means is to include language denoting participation with a health information exchange in the Notice of Privacy Practices (NPP).

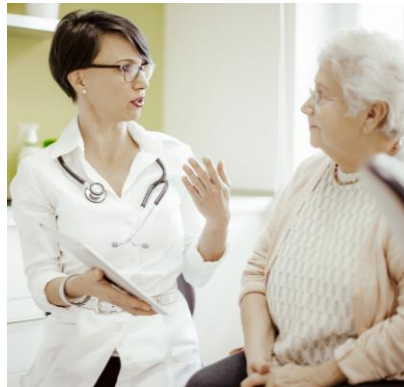
### Long-term care facilities must obtain consent from the residents for sharing information with outside providers.

- A requirement for long-term care facilities to share ADTs and other clinical data with HSX.

## PATIENT CONSENT MANAGEMENT

## Data Exchange in the LTPAC Setting

- **Long-term care facilities must obtain consent from the residents for sharing information with outside providers.**
  - A requirement for long-term care facilities to share ADTs and other clinical data with HSX.
- **Assisted Living/Personal Care access to patient data would apply to the Primary Care Use Case.**
  - Practitioners that are treating AL/PC patients in the primary care setting.
  - Facility access would require further review by the HSX Privacy Officer for additional use cases.



# Engagement & Adoption Approach

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## ENGAGEMENT & ADOPTION APPROACH

### What is Engagement & Adoption?

#### Engagement

- Capturing the **attention and interest** of HealthShare Exchange (HSX) users.
- Aligning HSX users with the nature and **value** of Health Information Exchange (HIE).
- Generating user participation in HSX by reinforcing the **need** for this clinical data and inspiring user desire for HIE.

#### Adoption

- Integration of HIE functionality into **daily workflow**.

#### What E&A is *Not*

- E&A is distinct from a member's plan for implementation.
- E&A is not about deploying the technology and making sure that it works.
- Deployment & testing will occur before and during E&A efforts.

# PA-DHS Grant Opportunities

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## PA-DHS GRANT OPPORTUNITIES

### PA-DHS 2019 Post-Acute Grant Opportunities

- Pennsylvania Department of Human Services (DHS) is offering opportunities to post-acute members in 2019.
- Post-Acute facilities are eligible to receive up to **\$8,000** pass-through dollars by achieving the following milestones:
  - Contract with HSX by January 31, 2019- **\$2,000**
  - Complete the implementation testing phase before September 1, 2019- **\$2,000**
  - Successful completion of the HIE Onboarding 3 grant milestones before September 30, 2019- **\$4,000**



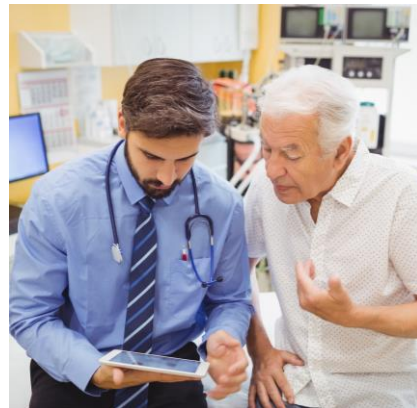
# Next Steps

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## NEXT STEPS

### Proposed Next Steps

- Demonstration of HSX Services for your organization
- Contracting and participation review
- Letter of Intent (LOI) for PA-DHS 2019 Grant Opportunity
- Engagement & Adoption-Service Onboarding
- EHR Implementation





## Thank You!

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