❋ Healthix

Exchanging Information to Transform Patient Care

Healthix Services

- Uses of Data
- Sources of Data
- Types of Data
- Patient Consent

HEALTHIX CORE SERVICES

The core Healthix services provide important clinical data to participant organizations, supporting enhanced care coordination, more cost-effective treatment, and improved clinical outcomes.

Patient Record Search

Access to a more comprehensive patient profile from within Healthix and Statewide

Healthix is a gateway to real-time actionable patient data to improve routine care, emergency care, or care management.

Data can be queried directly from an EHR via Single Sign On or through the Healthix Portal. As new data contributors continue to expand throughout New York State the information is increasingly useful for the delivery of better care, wherever and whenever it's needed.

Clinical Event Notifications

24/7 Custom alerts provide real-time updates for patients in your care

Clinical Event Notifications (CENs) help providers and care managers coordinate patient care by notifying them of these events within Healthix:

- Hospital and Emergency Department inpatient admissions and discharges
- Cross RHIO CENs also include NYC Health+Hospitals, SUNY Stony Brook University Hospital and Winthrop University Hospital
- Skilled Nursing Facility admissions and discharges
- Incarceration and release from NYC Correctional Facilities
- Patient expiration (death)
- Frequent ED usage

Delivery of Clinical Summaries

Ability to push clinical summaries (CCD and C-CDA documents) and lab results

Healthix currently delivers complete CCDs to health homes, PPSs, FQHCs, hospital-based health systems, and other Participants when their patient has a triggering event in Healthix or upon request by a Participant.

The Participant can import the CCD into its own EHR or care management or analytics software, to better manage the patient. Typical software includes Epic, eCW, Allscripts, GSI Health, Azara Health, Aledade, SpectraMedix, and more.

Direct Messaging

Secure HIPAA-compliant messaging

Healthix supports Direct Messaging among providers and care teams by utilizing simple, secure, HIPAA-compliant communications, sending encrypted health information to trusted recipients.

Benefits include: integration with EHRs; support of meaningful use transition of care requirements; and capability to send CCD and C-CDA attachments.

More than 16,000,000 patients

Healthix is the largest public health information exchange (HIE) in the nation, with data from healthcare organizations throughout New York City and Long Island. Healthix uses sophisticated software to reconcile data of over 62 million provider Medical Record Numbers (MRNs) to create composite profiles of over 16 million patients.

additional services:

Analytics & Predictive Risk using Clinical Data

Software determines each patient's risk of events (ED and Inpatient admissions, AMI, stroke, mortality) or diagnosis of a chronic disease so providers and care managers can focus on patients at-risk before they incur unwanted events.

Delivering CCDs for Population Health, Care Management and Analytics

Participants typically import the CCD into their own care management or analytics software, to manage patients.

integration methods:

Standard Integration

Healthix offers standard integration with a variety of formats including HL7, IHE, CCD, C-CDA.

Single Sign On

Healthix enables users to access data directly from their EHR application, to optimize provider workflow without additional logins.

EHR Integration Flags

The EHR shows whether Healthix has new data from outside sources and whether the patient has given consent, so providers can decide whether to query Healthix for data.

Hub Model Integrations

Standard integrations with "hub model" EHRs make function-rich implementations faster and less expensive: Accumedic, eCW, Foothold, MDLand, SigmaCare and others.

HIE to HIE Integration

Healthix is now connected directly to the HIEs operated by the Mount Sinai Health System and Northwell Health, which already aggregate data from multiple sources in their own networks.

August 2017 Healthix Usage

PATIENT RECORDS SEARCHED VIA PORTAL
1,369

CLINICAL SUMMARIES DELIVERED
162,878

DIRECT MESSAGES SENT
11,686

NOTIFICATIONS TO CLINICAL PROGRAMS
118,505

NOTIFICATIONS TO PUBLIC HEALTH
259,199

uses of Healthix data

to facilitate care management

1 **Accessing Patient Data in an Emergency Situation**

Data in Healthix can be lifesaving in an emergency where the patient is unable to give a medical history. Physicians have access to medication information, allergies, prior encounters and more to help treat the patient.

2 **Managing Patients with Serious Medical Conditions with CENs**

Providers who have patients that suffer from chronic medical conditions can better coordinate their care with Clinical Event Notifications. They are notified in real-time that a patient has been admitted to the ER or hospital and they can intervene immediately, or can follow up post-discharge.

3 **Providing Transition of Care Documents for Physicians**

When a patient is referred to a specialist, or sees a provider for the first time, their care documents can be viewed in Healthix, providing a smooth transition of care.

4 **Supporting Secure Direct Messaging Between Providers**

With Direct Messaging physicians can securely communicate to providers outside their own network and even attach documents in a HIPAA-secure manner to keep colleagues informed.

5 **Providing Alerts for Frequent Users of ED (3+ visits in 30 days)**

Healthix alerts the Mount Sinai ED when a patient registers and has already had three visits at any EDs in the prior 30 days. This way the ED can assess medical and social needs and adjust treatment accordingly.

6 **Facilitating Research Using De-Identified Data**

Healthix enables medical centers and FQHCs to submit de-identified data to NYC Clinical Data Research Network in a way that it can be aggregated to create longitudinal de-identified records across providers.

7 **Connecting PPS Leads and Partners**

In a pilot program facilitated by the Greater New York Hospital Association and the Office of the National Coordinator of Health IT, Healthix will exchange DSRIP Care Plans between care managers and community providers using national standards.

8 **Delivering Alerts from Health Plans to Providers re: Gaps in Care**

Health Plans can send their providers alerts to assist in providing care for members that may otherwise go without appropriate treatment.

IN DEVELOPMENT

to improve public health

1 **Supporting Persons with HIV/AIDS**

Healthix detects patients with HIV/AIDS and sends a CCD to the NYSDOH AIDS Institute with every encounter. The AIDS Institute maintains these persons in its AIDS registry and focuses its efforts on patients who have fallen out of care.

2 **Providing Data for Emergency Patient Search (NYCEPS)**

In a mass casualty event, NYC DOHMH can search Healthix to locate missing persons in EDs or hospitals. In 2017, the system will expand to use by the Office of the Chief Medical Examiner and the New York City Police Department.

3 **Helping in Public Health Outbreaks (e.g. Zika, Legionella)**

Healthix provided data to NYC DOHMH during their investigation of the Legionnaire's disease outbreak and in surveillance of the Zika virus.

4 **Improving Health of the Uninsured - Action Health NYC**

In a pilot program funded by the Robin Hood Foundation, NYC provides care management and healthcare to 1,300 individuals who are not eligible for insurance under the ACA.

5 **Supporting Health Information Exchange MACRA Requirements**

Healthix can assist providers with the Merit Based Incentive Payment System (MIPS) specifically as it relates to Health Information Exchange Measures. (E.g., when an eligible provider transfers or refers a patient to another provider they must send a summary of care record).

6 **Identifying Homeless and Unstably Housed Persons**

Healthix is developing this capability as part of the CLIP project sponsored by NYS DOH, in which Healthix will receive Medicaid Claims Data to integrate with providers' clinical data. Healthix will alert the provider at point of care that the patient is homeless and eligible for Health Home services.

IN DEVELOPMENT

The Institute for Family Health Uses Healthix Alerts to Help Coordinate Patient Care

Sarah Nosal, M.D.
Chief Medical Director,

The Institute for Family Health

"One of the ways that we know our patient has arrived in the ER is something called Clinical Event Notifications. We actually get an alert in our EHR that tells us that the patient is in the emergency room. When I have a complex patient, who has HIV, mental illness, and multiple clinical problems, who maybe isn't able to explain what's going on with them, I'm able, at that moment to contact the ER. I use the information in Healthix to help communicate with the ER Doctors. I really appreciate the CENs for these complex patients."

sources of data

The breadth of data in Healthix is expanding through growth in the number and type of contributors.

Hospitals

63

Independent Physician Practices of all Sizes

241

Long-Term Care, Nursing Facilities

125

Behavioral Health Facilities

59

Federally Qualified Health Centers (FQHCs)

35

Community Based Organizations

33

Home Care

21

Health Plans

13

DSRIP & PPS Leads

9

Medicaid Health Homes

3

Independent Pharmacies

5

EMS

1

Independent Labs & Radiology Centers

3

NYC Correctional Health Services

1

All Other Public HIEs in New York State

7

Medicaid Claims

Veterans Administration

IN DEVELOPMENT

types of data

Demographics

Name, date of birth, address, gender and other demographics; essential factors in matching patient identities.

Labs, Radiology & Other Diagnostic Results

Healthix allows the exchange of labs, radiology, and other diagnostics. This is an area where HIEs have been able to significantly reduce unnecessary duplicate tests.

Diagnoses, Procedures & Clinical Summaries

Procedure codes, diagnoses and clinical summaries provide significant detail on the patient's previous treatments.

Claims Data from Health Plans

Clinical content of professional medical claims from AmidaCare and 1199 SEIU is integrated with provider data.

Reference Laboratory Results

Healthix receives lab results from BioReference for all of New York State. Then Healthix shares data through sPRL to users from across the State.

Immunizations & Vital Signs

Having a history of immunizations and vital signs can help ensure vaccinations are up to date. Vitals help to establish the patient's normal baseline.

Advanced Directives

Advanced directives allow awareness of the patient's desires with regards to DNR and other action in case of emergency.

Discharge Summaries & Care Plans

Discharge summaries are available and give insight into the next course of care for the patient.

Allergies, Medications & Medication Allergies

Healthix data includes environmental and food allergies, medication and medication allergies, which are essential information in an emergency situation.

Encounters, Problem Lists & Observations

Encounter, problem lists and observations allow providers to get an understanding of the patient from previous interactions.

Pharmacy Fill Data

Pharmacy fill data shows prescriptions filled by patients compared to EHR data of prescriptions written by providers.

EMS Run Sheets

NYC DOHMH is funding integration with 36 voluntary EMS services (target early 2017). Proprietary, hospital-based and FDNY EMSs will follow (later in 2017).

Image Exchange

Healthix is now interfacing with eHealth Technologies to display radiology images within the Healthix Portal.

Social Determinants of Health

Capture the most significant Social Determinants of Health consistently from EHRs to support care management and analytics.

Medicaid Claims Data

Healthix is one of four NYS public HIEs to pilot the integration of Medicaid claims data. Benefits include a fuller view of the patient's health, and medical history. It facilitates medication reconciliation by comparing medications prescribed with medications actually filled.

IN DEVELOPMENT

patient consent & engagement

Consent to a Single Participant Organization

Patients can give consent for a Participant to access their data for treatment, care management and quality improvement, during the registration process.

Healthix Community Consent

Healthix Community Consent enables patients to provide consent with one signature, for all Healthix Participants.

This approach to patient consent accelerates the ability of all Healthix Participants to access their patient's data, receive CCDs and C-CDAs (clinical summaries), and Clinical Event Notifications for treatment, care management and quality improvement purposes. This is especially useful for DSRIP Performing Provider Systems (PPS) and Health Plans that find it difficult to collect consent because they often do not have face-to-face contact with their patients or members.

One-to-One Exchange

One-to-One exchange is the exchange of patient information through Healthix between a pair of Participants, both of whom provide treatment, care management or quality improvement services to the patient, but without requiring the patient to sign a Healthix consent form.

Note: a One-to-One Exchange cannot be used to transmit data from facilities covered by 42 CFR Part 2 (SAMHSA).

Supporting Patients' Access to their Health Data

Healthix will offer access to patient data from all of Healthix through Participant's and other organizations' patient portals.

We will also offer the ability for patients to give their consent through these same portals.

Increase Access and Consent for Consumers

Healthix has begun to work with consumers to give them the ability to provide consent through their patient portals.

IN DEVELOPMENT

3,453,129

UNIQUE HEALTHIX PATIENTS CONSENT GRANTED

19,379

PROVIDERS WITH ACCESS TO PATIENT DATA