

SigmaCare
HL7 v2 ADT, CCD(C-C32), SSO Basic & Clinical Event Notifications

Project Scope Definition

I. Key Contacts:

Healthix Project Manager and Contact Information:	
Healthix Business Development and Contact Information:	
Name of main contact Healthix liaison at SigmaCare:	
Name of main Project Contact at Participant:	

II. Project Requirements Document - Purpose

The purpose of this document is to provide enough information about the project in order to 1) Identify the scope of the project for all parties including SigmaCare, Participant "Entity", Healthix, and any other associated vendors or subcontractors; 2) estimate project cost; and 3) Will be used as an initial draft for the creation of any formal contract. Subsequent to this document will be any associated contracts and a final project plan.

III. Project Overview

Participant (ENTITY) and Healthix are establishing interoperability of patient clinical records between organizations. This integration is defined as an HL7v2 ADT with consent and CCD (C32) interface with the SigmaCare EMR and Healthix. The HL7 interface to Healthix will provide patient data via ADT and Clinical information via CCD (C32) feed. Participant will be able to send patient demographics and consent via HL7 ADT interface and medication, diagnosis and encounters information to Healthix via the CCD (C32) interface. ENTITY will also be able implement Basic Clinical Event Notifications with Healthix.

This project will take approximately 6-8 weeks to complete from the initial start date.

IV. Project Requirements

Data Contribution

1. ENTITY will send Patient Name, Sex, DOB, Race, Preferred Language, Smoking Status and consent via HL7 v2 ADT interface to Healthix.
2. The CCD interface from ENTITY to Healthix will provide Problems, Medications, Medications Allergies and Vitals.
3. Healthix will work with ENTITY to complete below table which will determine if the required data elements are getting captured in ENTITY's EHR and if these data elements will be sent to Healthix via ADT or CCD feed.

Data Categories	Included in data feed (Y/N)	Have field in EHR (Y/N)	Capture in EHR (Y/N)
DOH Common Data Set			
Name	Y		
Sex	Y		
DOB	Y		
Race	Y		
Ethnicity	N		

Pref. Lang.	Y		
Smoking Status	N		
Problems	Y		
Medications	Y		
Med. Allergies	Y		
Lab Test	N		
Lab Values	N		
Vitals	Y		
Care Plan fields*	N		
Procedures	N		
Care Team Members*	N		
Encounter Diagnosis	N		
Immunizations	N		
Functional & Cognitive Status	N		
Discharge Instructions	N		
Additional			
Primary Procedure	N		
Primary Diagnosis	N		
Radiology	N		
EKG	N		
Advance Directives	N		
Provider NPI	N		
Discharge Disposition	N		

* Included with Care Plan

ADT Integration

1. ENTITY must be capable of sending patient registration and consent information to Healthix in HL7v2 ADT format. Healthix will accept any other data that can be sent via ADT in HL7 format according to Healthix specifications to be provided.
2. ENTITY must maintain a unique and persistent internal ID for each patient that will be communicated to Healthix to support Master Patient Index (MPI) matching.
3. The HL7v2 ADT and consent feed from ENTITY to Healthix must provide at least the minimum required demographic data to support patient matching including: first & last name, gender, address (including country), date of birth, phone number, race, ethnicity, preferred language and optionally SSN and insurance ID.
4. ENTITY must implement a Healthix consent process in compliance with Healthix policies and procedures:
    i. Collect signed electronic or paper consent forms from patients to allow authorized ENTITY staff access to records in Healthix. Patients 18 years and over can provide consent. Parents or guardians can provide consent on behalf of minors under the age of 10.

ii. Maintain signed copies of consent forms and make forms available to Healthix for periodic audits. Consent may be captured in electronic or paper format.
iii. Enter patient consent values into SigmaCare EMR system to support electronic consent submission to Healthix through the ADT and consent feed.

CCD Integration:

1. SigmaCare will provide Problems, Medications, Medications Allergies and Vitals. to Healthix via CCD(C32) feed.
2. SigmaCare will not send new patient information via CCD(C32) who is not registered with Healthix via their HL7 v2 ADT feed.
3. SigmaCare will send data to Healthix on Encounter closed/signed off using following protocol:
    i. (PIX) Retrieve the Healthix eMPI for the given patient.
    ii. (XDSb) Register & upload the encounter as C32 with the given Healthix eMPI

Basic Single Sign On

1. SigmaCare must be capable of sending and receiving web service calls as per Healthix SSO specifications.
2. ENTITY's clinician/staff will use Healthix User Registration to register for SSO access to Healthix Portal.
3. ENTITY will use SSO button or link on in SigmaCare EHR for single sign-on login to Healthix Portal.
4. Post go-live ENTITY will work towards compliance on applicable Healthix Participant policy regulations.

Clinical Event Notifications:

1. ENTITY will register all its patients that it chooses to enroll in notification service at Healthix via the HL7 ADT feed.
2. Subscription Criteria – ENTITY chooses to subscribe to all of its patients registered at Healthix. ENTITY in future may use subscription file as per Healthix Basic CEN specification (Provided separately) to identify the patients registered with Healthix with consent as a subscription pool for Clinical Event Notification.

    Subscription File
    i. Generation of a listing of patients for whom ENTITY is requesting event notification. The listing must include patient identifying information and may include a program flag defined by ENTITY and identifying information about the recipient provider (and/or care coordinator) associated with each patient.
    ii. The subscription file shall be sent from ENTITY to Healthix via secure FTP at agreed upon intervals and shall overwrite/replace the previous file.
    iii. The subscription file shall include members who are under care of ENTITY and exclude patients who are no longer under care of ENTITY.
3. Trigger Events - Clinical Event Notifications will be sent from Healthix to ENTITY when a consenting patient has one of the following events at a Healthix participant acute care facility: ED admission, ED discharge, Inpatient admission, Inpatient discharge, Discharge from a Skilled Nursing Facility, Patient expiration, Incarceration at New York City jail, or Release from that incarceration.

4. Payload - Healthix will provide the following information in each event notification:
    i. Patient identification: Name, date of birth, ENTITY unique ID
    ii. Type of encounter: ED visit, inpatient admission or inpatient discharge, death
    iii. Place of encounter: Facility where patient had an encounter
    iv. Date and time of encounter
5. Delivery Method – Healthix will send event notifications to ENTITY via Healthix's Clinical Message Center (CMC) format through the Healthix portal and the user will be notified through an "Email Notification" to a standard email address

V. Overview of Tasks

Specific Deliverable	Description
CCD(C32) & ADT Integration	
1. Establish connection between Healthix and ENTITY via SigmaCare	ENTITY will work with SigmaCare and Healthix to establish connection between ENTITY and Healthix.
2. Interface Testing	Complete System Integration Testing for HL7 v2 ADT and CCD(C32) interface established in stage from ENTITY to Healthix via SigmaCare EMR. Modify data feeds as needed.
3. Promotion to production and validation of notification workflow	Validate HL7 v2 ADT and CCD(C32) feed to Healthix in production
SSO Integration	
1. SSO request development.	1. ENTITY will create Healthix Portal API button/link on their EHR. 2. ENTITY will develop API request as per Healthix specification which will be triggered by User/Clinician on clicking API button/link.
2. Deploy and testing in Stage environment	Configure and validate Healthix Portal API integration in Stage environment.
3. Promotion to production	Configure and validate Healthix Portal API integration in Healthix production environment.
Healthix Clinical Event Notifications	
1. Generate and test the subscription file via SFTP <if applicable>	Identify which patients to add and remove from the subscription in the correct file format
2. Run the service using production data to validate results	Testing and validation
3. Go-live	Promote development to production

VI. Project Contingencies

1. Prior to activating the interface or notification service in production, ENTITY must be in compliance with Healthix privacy and security requirements.
2. ENTITY will be required to complete SigmaCare vendor contract separately in order to request and engage their resources for Healthix integration.

VII. Assumptions

1. ENTITY will collect Healthix consent from patients. The collected consent will allow ENTITY staff to access data only in the Healthix Clinical Viewer and receive notifications to support care coordination.
1. Appropriate personnel resources at ENTITY will be available to work on this project. These resources may include individuals with responsibility for implementation, project coordination, interfaces, subject matter experts, clinical workflow, registration / intake and consent collection

VII. Approval of Project Requirements

The information as described above meets our business requirements and we do hereby validate that we can meet the technical approach as outlined in this document.

For Participant	Date
Print Name	