

Provider Flat File
Patient Demographics, Clinical Information and
Consent
Specification

Version 1.6



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April 20, 2015

Healthix Flat File Specification

About this Document

This *Flat File Specification* document explains the functional specifications for the transmission of patient demographic and consent information between Healthix and a participating organization. The Healthix flat file integration is designed for participants that do not have access to an EHR capable of establishing a patient registration interface.

Revision History

Version	Date	Author	Description
0.1	April 20, 2015	Nathan Hardesty-Dyck	Draft for technical review
0.2	May 1, 2015	Naitik Patel	Added data segment in Data table and Example
1.0	May 7, 2015	Naitik Patel	Update with comments from Nathan and Tom P.
1.1	May 8, 2015	Naitik Patel	Added Secondary ID and Consent Expected Value
1.2	May 8, 2015	Naitik Patel	Added Business Process and expected values for type of Visit
1.3	May 19, 2015	Naitik Patel	Updated expected Consent Value in data table by removing 'E' (Emergency)
1.4	November 24, 2015	Naitik Patel	Added changes
1.5	November 26, 2015	Naitik Patel	Added changes
1.6	August 17, 2016	Naitik Patel	Added Changes

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1 Introduction

Healthix consolidates patient health care data from various sources and makes that information available to authorized Healthix users, subject to patient consent. Healthix accepts data in many formats and via various means of transmission, including the upload of flat files to the Healthix Secure File Transfer Protocol (SFTP) site.

The Healthix flat file specification is an unstructured text file that contains basic information about patients for the purposes of registering the patients in the Healthix system and recording the patient's consent value.

2 Sending Data to Healthix: Process Summary

During implementation, Healthix provides credentials to the participant to enable the participant to access Healthix's Secure File Transfer Protocol (SFTP) directory, used to submit flat file documents. Healthix processes new flat file documents on a constant basis, as they are uploaded.

Healthix processes each incoming flat file document, extracting data according to the details provided later in this specification. After processing, the static flat file itself may be archived or discarded. In either case, the Healthix system does not reference the static flat file document for the use or display of data.

Flat file document upload process:

1. Using an FTP client (e.g. WinSCP), establish a connection to the Healthix FTP site using the SFTP protocol (`sftp:\\`)
 - a. The Healthix SFTP host name is `sftp.healthix.org` (Port 22)
 - b. Healthix provides each participant with a SFTP account and directory during project implementation
2. When prompted, authenticate using the credentials Healthix assigns during implementation
3. Transfer the flat file document(s) to the SFTP site
4. Healthix processes the flat file documents as they arrive at the SFTP site

4 Flat File Document Structure, Business Process and Example

The flat file must be a simple text file (.txt) and have a file name adhering to the convention below. The first segment of the file name, an abbreviation identifying the participant, is determined by Healthix during project implementation. In the example below, Healthix requires the ABC Practice participant to include “ABC” in the file name.

An example file submitted to Healthix by ABC Practice on April 1, 2015 has the following file name:

```
ABC_Healthix_YYYYMMDDHHMMSS_1422.txt
```

Healthix will use LoadDate as a consent effective date and consent modification date for all the new patient records on Provider flat file. If the record comes on Provider flat file for an existing patient in Healthix, the consent modification date will be changed to LoadDate and effective will remain the same.

4.1 Flat File Document Structure

The flat file consists of one or more rows of pipe-delimited data segments, each row referring to a specific patient identification (e.g. MRN):

```
AssigningAuthority|MRN|LastName|FirstName|MiddleName||DateOfBirth|Gender|AddressLine1|
AddressLine2|City|State|Zip|Country|County|PhoneNumber||SSN|Consent|LoadDate|Meidc
aidID/PPSID|TypeOfVisit|VisitBeginDate|VisitEndDate|ProviderLastName|ProviderFirstName|
ConsentEffectiveDate
```

The following table describes each data segment:

Segment	Required/Optional	Format and Comments
1 AssigningAuthority	Required	Assigning authority of the patient identifier (MRN) in segment 2. The assigning authority segment is determined during project implementation.
2 MRN	Required	Patient identifier that is unique to the assigning authority.
3 LastName	Required	
4 FirstName	Required	
5 MiddleName	Optional (send if available)	Middle name or initial is accepted if sent.
6 N/A	N/A	Blank(empty) field for providers.
7 DateOfBirth	Required	Format: YYYYMMDD
8 Gender	Required	Accepted values: M, F, O, U, A, N
9 AddressLine1	Required	
10 AddressLine2	Optional (send if available)	
11 City	Required	
12 State	Required	Format: Two-letter U.S. state, e.g. NY
13 Zip	Required	Format: 5 digit or 9 digit
14 Country	Required	Format: String
15 County	Required	Format String

16	PhoneNumber	Required	Format: (555)555-5555
17	N/A	N/A	Blank(empty) field for providers.
18	SSN	Optional	Format: 123-45-6789
19	Consent	Required	Accepted values: Y, N or U U= Unknown is default, N = No or Y = Yes only if there is a signed form on record.
20	LoadDate	Required	Date the file was built. Not needed but GSIH wanted it and it made it into the file format Format: YYYYMMDDHHMMSS
21	MedicaidID/PPSID	Optional	Patient's Medicaid ID or any Secondary ID used by PPS
22	TypeOfVisit	Optional	Accepted Values: Healthix will only accept values other than "E" and "I" Outpatient is Default.
23	VisitBeginDate	Optional	Format: YYYYMMDDHHMMSS
24	VisitEndDate	Optional/Required if VisitBeginDate on file	Format: YYYYMMDDHHMMSS
25	ProviderLastName	Optional	
26	ProviderFirstName	Optional	
27	ConsentEffectiveDate	Required	Format: YYYYMMDD
28	EncounterID	Required if sending clinical information	
29	Medication	Optional	
30	Allergies	Optional	
31	Procedure	Optional	
32	Diagnosis	Optional	

4.2 Business Process

For each flat file processed for patient demographic and consent information, Healthix will overwrite the patient information if it already exists in the Healthix system. If there are multiple encounter for same patient in same or subsequent flat file, Healthix will store each type of Visit(TypeOfVisit) with different visit date(VisitBeginDate) separately.

4.3 Example Flat File

The following flat file example conforms to the Healthix specification for a participant whose identification assigning authority is "ABC":

File name: ABC_Healthix_20150401.txt

```
ABC|123456|Apple|John|M||19500101|M|123 Main St|Apt 3C|Brooklyn|NY|11215|USA|Kings|(555)555-1234||123-45-6789|Y|20150401000000|84729503|E|20150401000000|20150411000000|Smith|John|20150411
```

```
ABC|234567|Berry|Mary|||19670101|F|45 Ark Ave||New York|NY|10215|USA|New York|(555)555-2345||999-99-6789|N|20150401000000|23526252|||Migut|James|20150411
```

```
ABC|M67387|Chum|Beth|Sara||19560101|F|76 Main Street|Apt 1|Queens|NY|11215|USA|Queens|(555)555-3456||999-45-6789|Y|20150401000000|93756254|I|||20150411
```


ABC|067437|Darby|Louis|S||19589101|M|900 Hut Pl|2|Bronx|NY|11415|USA|Bronx|(555)555-4567||123-45-9999|Y|20150401000000|742837642||20150401000000|20150461000000|Hanson|Mitch|20150411000000

ABC|674622|Elony|Gail|T||19980101|F|42 Leaf St||Staten Island|NY|17215|USA|Richmond|(555)555-6789||123-99-6789|Y|20150401000000||E|20150401000000|20150461000000|||20150411

ABC|894723|Furton|Chris|Milo||20090101|M|21 Tree Blvd||Yonkers|NY|11055|USA|Westchester|(555)555-7890||999-45-9999|Y|20150401000000|||Rock|Jessica|20150411