

TouchMD

PatientConnect Interface Specifications

This document outlines TouchMD's interface capability to HL7 compatible EMRs. If your EMR requires connectivity via a custom API, please contact TouchMD.

Overview

The touch TouchMD interface supports 2 message types.

- Inbound Demographics (From your EMR or PM to TouchMD)
- Outbound Images and Documents (From TouchMD to your EMR)

All interfaces require the inbound demographics; however outbound documents/images are optional.

Inbound Demographics

Inbound demographics support all standard patient/appointment create and update messages. The interface does not support patient delete messages at this time.

Sample ADT message

```
MSH|^~\&|EMRX|YourPractice|TouchMD||20161027165046||ADT^A04|27165046176|P^T|2.4|1|||USA|ASCII|
```

```
PID|1|{PatientId}|||{LastName}^{FirstName}^{MiddleInitial}||{DOB}|{Gender}|||{Address 1}^{city}^{state}^{zip}||{PhoneNumber}^{email}|||||||||||||N  
PV1|1|
```

**Only the MSH and PID segments are needed. Other segments can be sent, but will not be needed.*

Sample SIU message

```
MSH|^~\&|{SourceSystem}|{SourceName}|TouchMD||20161027170153||SIU^S12|27170153017|P^T|2.4|1||NE|NE|USA|ASCII|
```

```
PID|1|{PatientId}|||{LastName}^{FirstName}^{MiddleInitial}||{DOB}|{Gender}|||{Address 1}^{city}^{state}^{zip}||{PhoneNumber}^{email}|||||||||||||N
```

**Only the MSH and PID segments are needed. Other segments can be sent, but will not be needed.*

Outbound Documents and Images

Outbound documents and images can either be sent as a MDM (document) message or an ORU (result) message. The message will contain information about the document along with the document encoded in Base64.

Sample ORU message

```
MSH|^~\&|TouchMD|PracticeName|EMR
Name|4312001|201610141622||ORU^R01|01512416|P|2.3|||NE|NE|||

PID|1|{{PatientId}}|{{LastName}}^{{FirstName}}^{{MiddleInitial}}|{{DOB}}|{{Gender}}|{{Address 1}}^^{{city}}^{{state}}^{{zip}}|{{PhoneNumber}}^^^{{email}}|N

ORC|RE|{{Document Image/Number}}|{{Document Image/Number}}|1||^20161004104700||201610051750|||{{NPI}}^{{ProviderLast}}^{{ProviderFirst}}|^{{PracticeName}}|

OBR|1|{{Document Image/Number}}|{{Document Image/Number}}|01^TouchMD Document|R||201610041047|||201610041047||{{NPI}}^{{ProviderLast}}^{{ProviderFirst}}|

OBX|1|ST|01^TouchMD Document||Normal||N||F||20161005054700|

OBX|2|ED|3126A1^PDF Report||PDF^Image^PDF^Base64^{{Base64 encoded File}}|F||20161005054700|
```

Connectivity

The following forms of connectivity are supported

- **File transfer agent** – This is typically installed if you have your own server-on-site.
- **Secure FTP (SFTP)** – This can be hosted with TouchMD or your vendor
- **MLLP over VPN** – This option is mostly used when connecting to hosted solutions. Not recommended for server-on-site setups.