

HL7 EHR to PowerSoftMD Visit Import Specifications

Data Tec, Inc.
www.powersoftmd.com

Introduction

PowerSoftMD uses HL7 2.3.1 specifications. The following pages outline our specifications for building a file to send to PowerSoftMD of Financial Information.

PowerSoftMD itself does not transmit or receive Messages. The EMR is responsible for setting up a secure folder on the Clients (Doctors Office) computer to send and receive files from. This folder must be on the same Windows shared drive as the PowerSoftMD folders are located.

We recommend a structured folder name, for example:

H:\HL7\XYZCorp

The sending company can use a VPN or service like HyperSend if they need to transmit files. Whatever is agreeable with the Client (Doctors Office) and is encrypted and secure to HIPPA standards.

Again, the secure transmission is between the sending Company and the Client (Doctors Office), Data Tec is not involved or responsible for this link or transmission service in any way.

Technical Basics

Message delivery: Data Tec is not responsible for data delivery or pickup. We look for and leave messages in specified local computer directories.

Standard HL7 message structure,

Segment delimiters <CR>

Messages delimiters <LF>

| - field delimiter

^ - component delimiter

~ - repeat delimiter

\ - escape character

& - sub-component delimiter

The following escape fields are defined.

\F\ field separator character

\S\ component separator character

\T\ subcomponent separator character

\R\ repetition separator character

\E\ escape character

No Acknowledgement messages are utilized.

HL7 Message Type

Financial Transaction

<u>Segments</u>	<u>Required</u>	<u>Description</u>
MSH	Y	Message Header
EVN	O	Event Type
PID	Y	Patient Demographics
PV1	Y	Patient Visit Information
FT1	Y	Financial Transaction
DG1	Y	Diagnosis

Sample

```
MSH|^~\&|SendingApp|FamilyMed|PowerSoftMD|FamilyMed|201212190725||DFT^P03|201212190725|P|2.3.1
EVN| P03|201212190725
PID|1|00208|A8401||SMITH^JOHN^J||19700101|M||W^White|140 3rd St^^Sparks^NV^89431
||3148953333^^^Test@aol.com|8772581281|English|S|||608889210||Hispanic
PV1|1||||9876543210^WOLFMEYER^SANDY
FT1|1|1234567890||20061114||CG||||1||||052.9^Chickenpox~949.0^Burn|9876543210^WOLFMEYER^SANDY
||||99212^RETURN VISIT-FOCUSED|25
DG1|1||052.9^Chickenpox^ICD9CM
DG1|2||949.0^Burn^ICD9CM
```

* All messages are pipe (|) delimited and terminated by a carriage return/linefeed

* Some fields (denoted on the segment definitions) are caret (^) sub-delimited

*Values for the "required" field:

Y = Yes; we will always populate this field

O = Optional, can be sent, not required

All other fields should always be blank or its values will be ignored

* Date/Time Values are always formatted:

Date = CCYYMMDD

Time = HHMMSS

Date/Time = CCYYMMDDHHMMSS

MSH - Message Header Definition

<u>Field #</u>	<u>Description</u>	<u>Required</u>	<u>Sample Data</u>
0	Message Qualifier	Y	MSH
1	Separation Character	Y	
2	Encoding Characters	Y	^~\&
3	Sending Application	Y	SendingApp
4	Sending Facility	O	FamilyMed
5	Receiving Application	Y	PowerSoftMD
6	Receiving Facility	O	FamilyMed
7	Date/Time	Y	201212190725
9	Message Type	Y	DFT^P03
9.1	Message Type Qualifier	Y	DFT
9.2	Message Trigger	Y	P03
11	Production Flag	O	P
12	Version	Y	2.3.1

EVN - Event Type Definition

<u>Field #</u>	<u>Description</u>	<u>Required</u>	<u>Sample Data</u>
0	Message Qualifier	Y	EVN
1	Event Type Code	Y	P03
2	Recorded Date/Time	Y	201212190725

PID - Patient Demographics Definition

<u>Field #</u>	<u>Description</u>	<u>Required</u>	<u>Sample Data</u>
0	Message Qualifier	Y	PID
1	Sequence Number	Y	1
2	Patient Account Number	Y	00208
5	Patient Name	Y	SMITH^JOHN^J
5.1	Patient Last Name	Y	SMITH
5.2	Patient First Name	Y	JOHN
5.3	Patient Middle Initial	Y	J
7	Date of Birth	Y	19700101
8	Gender	Y	M
19	Patient Social Security Number	O	608889210

PV1 - Patient Visit Information Definition

<u>Field #</u>	<u>Description</u>	<u>Required</u>	<u>Sample Data</u>
0	Message Qualifier	Y	PV1
1	Set ID	Y	1
7	Attending Provider	Y	9876543210^WOLFMEYER^SANDY
7.1	Provider ID Number (Secur)	Y	9876543210
7.2	Provider Last Name	Y	WOLFMEYER
7.3	Provider First Name	Y	SANDY

FT1 - Patient Visit Information Definition

<u>Field #</u>	<u>Description</u>	<u>Required</u>	<u>Sample Data</u>
0	Message Qualifier	Y	FT1
1	Set ID	Y	1
2	Transaction ID	Y	1234567890
4	Transaction Date	Y	20061114
6	Transaction Type	Y	CG
19	Diagnosis Codes	O	052.9^Chickenpox~949.0^Burn
19.1	Diagnosis Code	Y	052.9
19.2	Diagnosis Description	Y	Chickenpox
20	Performing Provider	Y	9876543210^WOLFMEYER^SANDY
20.1	Provider ID Number	Y	9876543210
20.2	Provider Last Name	Y	WOLFMEYER
20.3	Provider First Name	Y	SANDY
25	Procedure Code	Y	99212^RETURN VISIT-FOCUSED
25.1	Code	Y	99212
25.2	Procedure Name	Y	RETURN VISIT-FOCUSED
26	Modifiers	O	25

DG1 - Patient Visit Information Definition

<u>Field #</u>	<u>Description</u>	<u>Required</u>	<u>Sample Data</u>
0	Message Qualifier	Y	DG1
1	Set ID	Y	1
3	Diagnoses Code	Y	052.9^Chickenpox^ICD9CM
3.1	Code	Y	052.9
3.2	Diagnosis Description	Y	Chickenpox
3.3	Coding System	Y	ICD9CM