**ADT\_Soarian & Cerner\_TheraDoc Requirements**

**Version 1.3**

**Prepared By: Art Schwartz & Lois Whitley**

**Date: 11/7/2018**

[Document Control 3](#_Toc500162642)

[Resources 3](#_Toc500162643)

[Project Distribution List 3](#_Toc500162644)

[Document Version Control 3](#_Toc500162645)

[1. Introduction 4](#_Toc500162646)

[1.1 Purpose 4](#_Toc500162647)

[1.2 Project Scope 4](#_Toc500162648)

[1.3 Terminology Standards 4](#_Toc500162649)

[1.3.1 Acronyms 4](#_Toc500162650)

[1.3.2 Glossary 4](#_Toc500162651)

[1.4 Document References 4](#_Toc500162652)

[*2.* Diagram 5](#_Toc500162653)

[3. Requirements 6](#_Toc500162654)

[3.1 Functional Requirements 6](#_Toc500162655)

[3.2 Non-Functional Requirements 6](#_Toc500162656)

[3.3 Messaging Protocols 7](#_Toc500162657)

[3.3.1 Inbound to the BayCare Cloverleaf 7](#_Toc500162658)

[3.3.2 Outbound to the Vendor 8](#_Toc500162659)

[3.3.3 Inbound From BayCare Cerner 9](#_Toc500162660)

[4. HL7 Messaging 9](#_Toc500162661)

[4.1 Messaging Format 9](#_Toc500162662)

[4.1.1 Segments 9](#_Toc500162663)

[4.1*.*2 Messaging Event Types 10](#_Toc500162664)

[4.1*.*3 Cloverleaf Configuration Files 10](#_Toc500162665)

[4.1.4 Cloverleaf Site Location 11](#_Toc500162666)

[4.2 Data Transformation Requirements 11](#_Toc500162667)

[4.3 Sample Message 18](#_Toc500162668)

[5. Testing 22](#_Toc500162669)

[5.1. Unit Testing Scenarios 22](#_Toc500162670)

[5.2 Integrated Testing Scenarios 22](#_Toc500162671)

[5.3 Testing Approvals 22](#_Toc500162672)

[5.4 Piloting 23](#_Toc500162673)

[5.5 Approvals 23](#_Toc500162674)

[6. Deployment / Implementation Model 23](#_Toc500162675)

[6.1 Alerts 23](#_Toc500162676)

[Appendix A: Risks and Concerns 24](#_Toc500162677)

[Appendix B: Issues List 24](#_Toc500162678)

# **Document Control**

## Resources

|  |  |  |
| --- | --- | --- |
| **Name** | **Role** | **Email** |
| Art Schwartz | IS Integration Analyst | [Art.schwartz@baycare.org](mailto:Art.schwartz@baycare.org) |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

## Project Distribution List

## Document Version Control

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Modifier** | **Description** |
| V1.0 | 11/1/2016 | Lois Whitley | Originally Created |
| V1.1 | 11/11/16 | Art Schwartz | Updated Messaging Protocols |
| V1.2 | 12/11/17 | Tiffany Bohall | Updated nonfunctional requirements for MPMDC filter |
| V1.3 | 11/07/2018 | Charles Markwardt | Cerner will no longer be sending out the Historical CMRN in the PID 4. |

# 1. Introduction

## 1.1 Purpose

The purpose of this document is to outline the Admission, Discharge and Transfer (ADT) interface requirements for the TheraDoc application from Soarian and Cerner.

## 1.2 Project Scope

Integration for the TheraDoc application includes an ADT interface from Soarian, ADT interface from Cerner for Heights, Weights and Allergies, Orders from the Cerner PharmNet (Pharmacy) system, and results from Cerner PathNet (Lab) and GE Centricity IDX (RIS). There is a Cerner SurgiNet CCL component that passes surgical procedure information to TheraDoc, but this is a flat file and does not pass through Cloverleaf.

## 1.3 Terminology Standards

### 1.3.1 Acronyms

**ADT** – Admission, Discharge and Transfer message

**CCL** – Cerner Command Language; used to query the database and put the information in a user-friendly format

**RIS** – Radiology Information System

### 1.3.2 Glossary

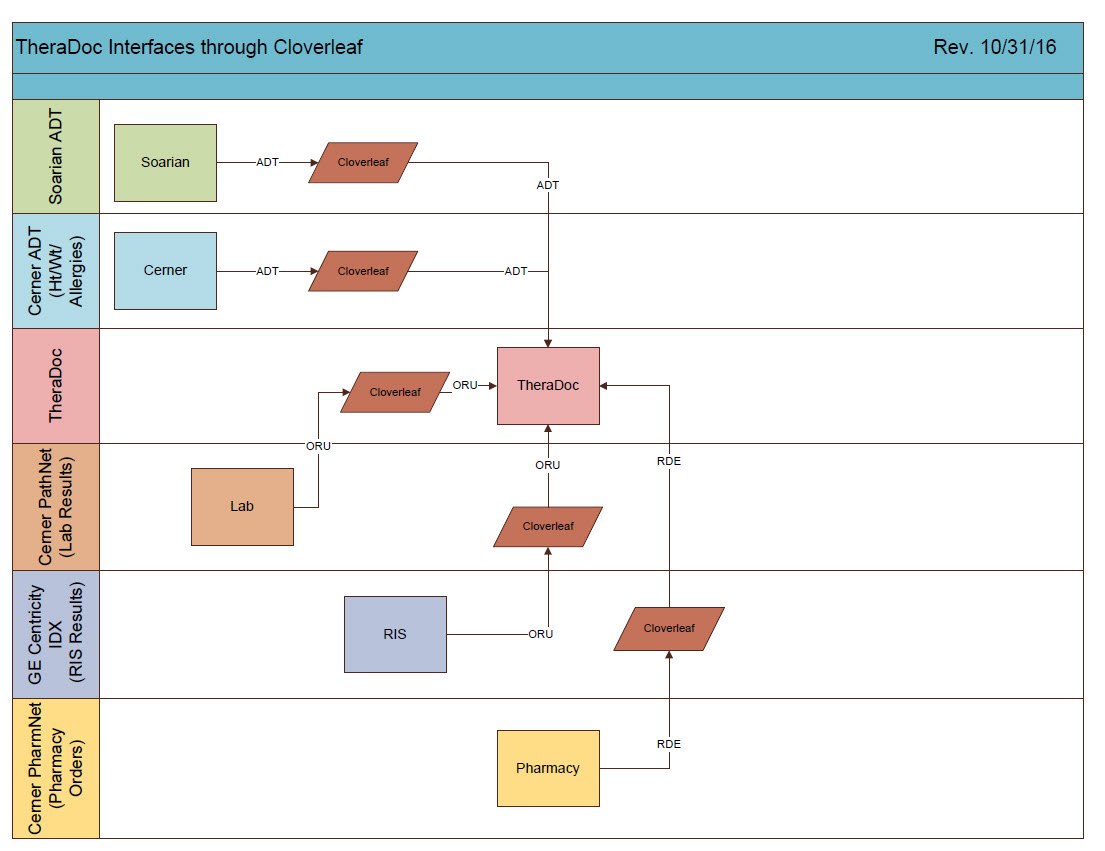
**TheraDoc** – clinical surveillance application name

**Premier, Inc.** – vendor name

## 1.4 Document References

TheraDoc HL7 spec.pdf

# *2.* Diagram



# 3. Requirements

## 3.1 Functional Requirements

Provide detail for the below functional requirements. The message transformation requirements for the components defined in this specification should be specified in section 4.2 of this document.

|  |  |  |
| --- | --- | --- |
| **Cloverleaf** |  |  |
| **Number** | **Requirement Name** | **Requirement Description** |
| FR.20XX.1.0 | Click here to enter text. | Click here to enter text. |

## 3.2 Non-Functional Requirements

Provide concise detail for the below non-functional requirements. The below requirements must be evaluated for every project.

|  |  |  |
| --- | --- | --- |
| **Cloverleaf** |  |  |
| **Number** | **Requirement Name** | **Requirement Description** |
| FR.2017.12.11 | MPMDC filter | Added filter to the ORU inbound tab, from Cerner to TheraDoc to suppress allergy transactions with MDC in PV1.39. |

## 3.3 Messaging Protocols

Below are listed the details for the messaging protocols that will be leveraged for this integration. Please see the reference document located on the Integration SharePoint server: <insert link to document here>

### 3.3.1 Inbound to the BayCare Cloverleaf

Test

Port Number: 23183, 23195

IP Address: 10.5.250.203

Prod

Port Number: 23183, 23195

IP Address: 10.5.250.201

### 3.3.2 Outbound to the Vendor

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | Theradoc IP and port | |  |  |  | 4/6/2016 |  |  |
| TEST |  |  |  |  |  |  |  |  |  |  |  |
|  | ADT & Allergies |  |  | Lab Results and HT & WT |  |  | Pharmacy |  |  | RAD |  |
| facility | IP | Port |  | IP | Port |  | IP | Port |  | IP | Port |
| SJH | 10.44.110.28 | 8010 |  | 10.44.110.28 | 8012 |  |  |  |  |  |  |
| SJN | 10.44.110.28 | 8035 |  | 10.44.110.28 | 8013 |  |  |  |  |  |  |
| SJS | 10.44.110.28 | 8006 |  | 10.44.110.28 | 8007 |  |  |  |  |  |  |
| SFB | 10.44.110.28 | 8004 |  | 10.44.110.28 | 8008 |  |  |  |  |  |  |
| SJW | 10.44.110.28 | 8011 |  | 10.44.110.28 | 8036 |  |  |  |  |  |  |
| WHH | 10.44.110.28 | 8015 |  | 10.44.110.28 | 8017 |  |  |  |  |  |  |
| WHW | 10.44.110.28 | 8016 |  | 10.44.110.28 | 8018 |  |  |  |  |  |  |
| MPH | 10.44.110.28 | 8019 |  | 10.44.110.28 | 8025 |  |  |  |  |  |  |
| MDU | 10.44.110.28 | 8020 |  | 10.44.110.28 | 8026 |  |  |  |  |  |  |
| MCS | 10.44.110.28 | 8021 |  | 10.44.110.28 | 8027 |  |  |  |  |  |  |
| NBY | 10.44.110.28 | 8022 |  | 10.44.110.28 | 8028 |  |  |  |  |  |  |
| BAH | 10.44.110.28 | 8023 |  | 10.44.110.28 | 8029 |  |  |  |  |  |  |
| SAH | 10.44.110.28 | 8024 |  | 10.44.110.28 | 8030 |  |  |  |  |  |  |
| BRM | 10.44.110.28 | 8031 |  | 10.44.110.28 | 8032 |  |  |  |  |  |  |
| All facilities |  |  |  |  |  |  | 10.44.110.28 | 8005 |  | 10.44.110.28 | 8003 |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| PROD |  |  |  |  |  |  |  |  |  |  |  |
|  | ADT & Allergies |  |  | Lab Results and HT & WT |  |  | Pharmacy |  |  | RAD |  |
| facility | IP | Port |  | IP | Port |  | IP | Port |  | IP | Port |
| SJH | 10.44.129.56 | 9010 |  | 10.44.129.56 | 9012 |  |  |  |  |  |  |
| SJN | 10.44.129.56 | 9009 |  | 10.44.129.56 | 9013 |  |  |  |  |  |  |
| SJS | 10.44.129.56 | 9006 |  | 10.44.129.56 | 9007 |  |  |  |  |  |  |
| SFB | 10.44.129.56 | 9004 |  | 10.44.129.56 | 9008 |  |  |  |  |  |  |
| SJW | 10.44.129.56 | 9011 |  | 10.44.129.56 | 9014 |  |  |  |  |  |  |
| WHH | 10.44.129.56 | 9015 |  | 10.44.129.56 | 9017 |  |  |  |  |  |  |
| WHW | 10.44.129.56 | 9016 |  | 10.44.129.56 | 9018 |  |  |  |  |  |  |
| MPH | 10.44.129.56 | 9019 |  | 10.44.129.56 | 9025 |  |  |  |  |  |  |
| MDU | 10.44.129.56 | 9020 |  | 10.44.129.56 | 9026 |  |  |  |  |  |  |
| MCS | 10.44.129.56 | 9021 |  | 10.44.129.56 | 9027 |  |  |  |  |  |  |
| NBY | 10.44.129.56 | 9022 |  | 10.44.129.56 | 9028 |  |  |  |  |  |  |
| BAH | 10.44.129.56 | 9023 |  | 10.44.129.56 | 9029 |  |  |  |  |  |  |
| SAH | 10.44.129.56 | 9024 |  | 10.44.129.56 | 9030 |  |  |  |  |  |  |
| BRM | 10.44.129.56 | 9031 |  | 10.44.129.56 | 9032 |  |  |  |  |  |  |

### 3.3.3 Inbound From BayCare Cerner

Test

Port Number: 23096

IP Address: 10.5.250.203

Prod

Port Number: 23096

IP Address: 10.5.250.203

# 4. HL7 Messaging

## 4.1 Messaging Format

### 4.1.1 Segments

The segments utilized for this interface are:

MSH

EVN

PID

PV1

PV2

MRG

IN1

IN2

IN3

DG1

PR1

ZPT

*Message Construction Notes:*

*[Square Brackets] – Optional*

*{Curly Brackets} – Repeatable*

*MSH – Message Header*

*EVN – Event segment*

*PID – Patient ID segment*

*PV1 – Patient Visit segment*

*PV2 – Patient Visit Additional Info segment*

*ORC – Common Order segment*

*OBR – Observation Request segment*

*OBX – Observation/Result segment*

*IN1 – Insurance segment*

*IN2 – Insurance Additional Info segment*

*IN3 – Insurance Additional Info – Certification segment*

*AL1 – Patient Allergy Info segment*

*ZAL – Site or Vendor Defined segment; Additional Allergy Information*

*NTE – Notes and Comments segment*

*[{ – Start of optional, repeatable group*

*}] – End of optional, repeatable group*

### 4.1*.*2 Messaging Event Types

Below are the messages types necessary for this integration and supported by TheraDoc and Soarian.

|  |  |
| --- | --- |
| **Event Type** | **Description** |
| A01 | Admit a Patient |
| A02 | Transfer a Patient |
| A03 | Discharge/End Visit |
| A04 | Register a Patient |
| A05 | Pre-Admit a Patient |
| A06 | Change an Outpatient to an Inpatient |
| A07 | Change an Inpatient to an Outpatient |
| A08 | Update Patient Information |
| A10 | Patient Arriving |
| A11 | Cancel Admit / Visit Notification |
| A13 | Cancel Discharge / End Visit |
| A28 | Add Person information |
| A31 | Update person Information |
|  |  |

### 4.1*.*3 Cloverleaf Configuration Files

Soarf\_thera\_adt

### 4.1.4 Cloverleaf Site Location

theradoc\_25

## 

## 4.2 Data Transformation Requirements

| **Field Description** | **HL7 Field Loc.** | **Required Y/N** | **Data Type** | **Length** | **Notes** |
| --- | --- | --- | --- | --- | --- |
| Message Header | MSH |  |  |  | Pathcopy MSH |
| Sending Application | MSH.3 |  |  |  | SOARF →SOARIAN  CERNER for Ht/Wt/Allergies |
| Sending Facility | MSH.4 |  |  |  |  |
| Receiving Application | MSH.5 |  |  |  | THERADOC |
| Date/Time of Message | MSH.7 |  |  |  |  |
| Message Type | MSH.9 |  |  |  | i.e ADT^A01, ORU^R01  convert A09 to A03  A11 to A03  A10 to A08 |
| Message Control ID | MSH.10 |  |  |  |  |
| Event Segment | EVN |  |  |  | Pathcopy EVN |
| Patient Identification | PID |  |  |  | Primary means of identifying patients in TheraDoc |
| Set ID | PID.1 |  |  |  |  |
| Patient ID (External ID) | PID.2 |  |  |  | Person Identifier in TheraDoc; CPI |
| Patient ID (Internal ID) | PID.3 |  |  |  | MRN; matches value against TheraDoc patient table |
| Alternate Patient ID | PID.4 |  |  |  |  |
| Patient Name | PID.5 |  |  |  | FamilyName^GivenName |
| Date/Time of Birth | PID.7 |  |  |  | YYYYMMDD; calculates current age of patient |
| Sex | PID.8 |  |  |  | M=Male  F=Female  U=Unknown |
| Race | PID.10 |  |  |  | Table soarf\_inv\_race |
| Patient Address | PID.11 |  |  |  |  |
| Phone Number | PID.13 |  |  |  | Copy only PRN and WPN  Add dashes and () |
| Primary Language | PID.15 |  |  |  |  |
| Marital Status | PID.16 |  |  |  |  |
| Religion | PID.17 |  |  |  |  |
| Patient Account Number | PID.18 |  |  |  | Primary identifier for encounters; matches against TheraDoc encounter table |
| Patient Visit | PV1 |  |  |  |  |
| Set ID | PV1.1 |  |  |  |  |
| Patient Class | PV1.2 |  |  |  | I=Inpatient  O=Outpatient  E=Emergency  P=Pre-Admit |
| Assigned Patient Location | PV1.3 |  |  |  | Used for reporting and patient’s location at time of specimen collection for Lab  (NS^Room^Bed^Facility) |
| Attending Doctor | PV1.7 |  |  |  | ProvNum^FamilyName^GivenName^ |
| Hospital Service | PV1.10 |  |  |  | Displays as sent |
| Patient Type | PV1.18 |  |  |  |  |
| Financial Class | PV1.20 |  |  |  |  |
| Discharge Disposition | PV1.36 |  |  |  | If XBZ,X1A,XBN or XBA change to “20” |
| Service facility | PV1.39 |  |  |  | If null copy PV1-10 |
| Admit Date/Time | PV1.44 |  |  |  | YYYYMMDDHHMM |
| Discharge Date/Time | PV1.45 |  |  |  | YYYYMMDDHHMM |
| Patient Visit Additional Information | PV2 |  |  |  |  |
| Admit Reason | PV2.3 |  |  |  | Displays as Admitting Diagnosis |
| Merge Segment | MRG |  |  |  |  |
| Prior patient Identifier list | MRG-1 |  |  |  |  |
| Prior patient Account Number | MRG-3 |  |  |  |  |
| Common Order | ORC |  |  |  |  |
| Order Control | ORC.1 |  |  |  |  |
| Filler Order Number | ORC.3 |  |  |  |  |
| Order Status | ORC.5 |  |  |  |  |
| Date/Time of Transaction | ORC.9 |  |  |  |  |
| Entered By | ORC.10 |  |  |  |  |
| Ordering Provider | ORC.12 |  |  |  |  |
| Order Effective Date/Time | ORC.15 |  |  |  |  |
| Entering Device | ORC.18 |  |  |  |  |
| Action By | ORC.19 |  |  |  |  |
| Observation Request | OBR |  |  |  |  |
| Set ID | OBR.1 |  |  |  |  |
| Filler Order Number | OBR.3 |  |  |  |  |
| Universal Service Identifier | OBR.4 |  |  |  |  |
| Ordering Provider | OBR.16 |  |  |  |  |
| Results Report/Status Change Date/Time | OBR.22 |  |  |  |  |
| Diagnostic Service Section ID | OBR.24 |  |  |  |  |
| Quantity Timing | OBR.27 |  |  |  |  |
| Observation Result | OBX |  |  |  |  |
| Set ID | OBX.1 |  |  |  |  |
| Value Type | OBX.2 |  |  |  |  |
| Observation Identifier | OBX.3 |  |  |  | HEIGHT, WEIGHT |
| Observation Value | OBX.5 |  |  |  |  |
| Units | OBX.6 |  |  |  | cm, kg |
| Insurance | IN1 |  |  |  |  |
| Set ID | IN1.1 |  |  |  |  |
| Insurance Plan | IN1.2 |  |  |  |  |
| Insurance Company Name | IN1.4 |  |  |  |  |
| Insurance Company Address | IN1.5 |  |  |  |  |
| Insurance Company Contact Person | IN1.6 |  |  |  |  |
| Insurance Company Phone Number | IN1.7 |  |  |  |  |
| Group Name | IN1.9 |  |  |  |  |
| Plan Type | IN1.15 |  |  |  |  |
| Name of Insured | IN1.16 |  |  |  |  |
| Insured’s Relationship to Patient | IN1.17 |  |  |  |  |
| Insured’s Date of Birth | IN1.18 |  |  |  |  |
| Insured’s Address | IN1.19 |  |  |  |  |
| Coordination of Benefits Priority | IN1.22 |  |  |  |  |
| Policy Number | IN1.36 |  |  |  |  |
| Insured’s Administrative Sex | IN1.43 |  |  |  |  |
| Verification Status | IN1.45 |  |  |  |  |
| Insured’s ID Number | IN1.49 |  |  |  |  |
| Insurance Additional Information | IN2 |  |  |  |  |
| Payor ID | IN2.25 |  |  |  |  |
| Payor Subscriber ID | IN2.26 |  |  |  |  |
| Primary Language | IN2.34 |  |  |  |  |
| Religion | IN2.39 |  |  |  |  |
| Ethnic Group | IN2.42 |  |  |  |  |
| Marital Status | IN2.43 |  |  |  |  |
| Insured’s Phone Number | IN2.63 |  |  |  |  |
| Race | IN2.71 |  |  |  |  |
| Patient’s Relationship to Insured | IN2.72 |  |  |  |  |
| Insurance Additional Information – Certification | IN3 |  |  |  |  |
| Set ID | IN3.1 |  |  |  |  |
| Certification Number | IN3.2 |  |  |  |  |
| Certification Begin Date | IN3.9 |  |  |  |  |
| Certification End Date | IN3.10 |  |  |  |  |
| Patient Allergy Information | AL1 |  |  |  |  |
| Set ID | AL1.1 |  |  |  |  |
| Allergy Type | AL1.2 |  |  |  | DA=Drug Allergy  FA=Food Allergy  MA=Misc Allergy |
| Allergy Code/Mnemonic/Description | AL1.3 |  |  |  | Required to be stored in TheraDoc database |
| Allergy Reaction | AL1.5 |  |  |  |  |
| Additional Allergy Information | ZAL |  |  |  |  |
|  | ZAL.1 |  |  |  |  |
|  | ZAL.3 |  |  |  |  |
|  | ZAL.4 |  |  |  |  |
|  | ZAL.5 |  |  |  |  |
|  | ZAL.6 |  |  |  |  |
|  | ZAL.7 |  |  |  |  |
|  | ZAL.11 |  |  |  |  |
|  | ZAL.12 |  |  |  |  |
|  | ZAL.13 |  |  |  |  |
| Notes and Comment | NTE |  |  |  |  |
| Set ID | NTE.1 |  |  |  |  |
| Source of Comment | NTE.2 |  |  |  |  |
| Comment | NTE.3 |  |  |  |  |
| Diagnosis | DG1 |  |  |  |  |
| Diagnosis Code | DG1-2 |  |  |  |  |
| Diagnosis Date/Time | DG1-3 |  |  |  |  |
| DRG | DG1-6 |  |  |  | Copy DG1-8 |
| DRG approval | DG1-7 |  |  |  | Copy to DG1-9 |
| DRG grouper | DG1-8 |  |  |  | Copy to DG1-10 |
| Outlier Type | DG1-9 |  |  |  | Copy to DG1-11 |
| Diagnosis priority | DG1-12 |  |  |  | Copy to DG1-15 |
| Diagnosing Clinician | DG1-13 |  |  |  | Copy to DG1-16 |
| Diagnosis Classification | DG1-14 |  |  |  | Copy to DG1-17 |
| Confidential indicator | DG1-15 |  |  |  | Copy to DG1-18 |
| Assentation date and Time | DG1-16 |  |  |  | Copy to DG1-19 |
| Procedure | PR1 |  |  |  |  |
| Set ID | PR1-1 |  |  |  |  |
| Procedure Code | PR1-2 |  |  |  | Send I10 |
| PR1-Procedure date/time | PR1-3 |  |  |  |  |
| Patient alert value | ZPT-2 |  |  |  | If ZPT-1 = BC CONSID  Copy ZPT-2 to PV2-7  If ZPT-1 = PT\_LIMITATIONS and  ZPT-2 = TR  Copy ZPT-2 to PV114 |
|  |  |  |  |  |  |

## 4.3 Sample Message

**From Soarian to Cloverleaf:**

MSH|^~\&|SOARF|MCS|||201610310735||ADT^A01|41268553-c60b-4ae5-82a3-9ae82d6246a8|P|2.7||1

EVN|A01|201610310735||CI|lxm57363|201610310732|9017

PID|1|810006486^^^900000^PN|7000009191^^^BCHS^MR||MATNEYTEST^CHARITY^^^^^L^^^20160909||19570625|F||White|2995 DREW ST^^Clearwater^FL^33759^USA^M^^Pinellas^^^20160909||^PRN^PH^^1^727^2892587^^Pref||EN|S|Baptist|6000023710^^^BCHS^VCD^^20161031||||Unknown||N|0|||||N|N

PD1||||||||N

PV1|1|I|2EMC^2305^P^MCS|Elective|||004268^Fagen^Bruce^Donald^^PRN^1760482400^NPI^01370^PRDOC^MCS|||MED|||N|RP|||004268^Fagen^Bruce^Donald^^PRN^1760482400^NPI^01370^PRDOC^MCS|I|5103791061^^^504^VN^^20161031|Mut Def/Unk|||||||||||||||||||9017|||||201610310732|||||||V

PV2|||^TESTING||||~~~~false||||||0||N||||||N||MC Inpatient^L^602^^^900000^XX~^^1265419907^^^900004^NPI~^^MEASE COUNTRYSIDE HOSPITAL^^^439^NOAName|Checked in|||||||N|||||N||||Acute

ROL||UC|PP|999995^Unassigned^PCP Unable to obtain^^^PRN|201609090828||||Phys

ROL||AD|AT|004268^Fagen^Bruce^Donald^^^MD^^183^L^^^PRN^^^^20151001~1110^^^^^^^^900000^^^^DN~ME72320^^^^^^^^195^^^^LN~1760482400^^^^^^^^900004^^^^NPI~01370^^^^^^^^769^^^^PRN~10086^^^^^^^^777^^^^PRN~10086^^^^^^^^745^^^^PRN~10086^^^^^^^^779^^^^PRN~10086^^^^^^^^2127^^^^PRN~10086^^^^^^^^781^^^^PRN~10086^^^^^^^^748^^^^PRN~01370^^^^^^^^771^^^^PRN~10086^^^^^^^^783^^^^PRN~01370^^^^^^^^772^^^^PRN~01370^^^^^^^^737^^^^PRN~01370^^^^^^^^684^^^^PRN~01370^^^^^^^^1316^^^^PRN~01370^^^^^^^^775^^^^PRN~10086^^^^^^^^2077^^^^PRN~10086^^^^^^^^581^^^^PRN~10086^^^^^^^^1505^^^^PRN~10086^^^^^^^^757^^^^PRN~10086^^^^^^^^2078^^^^PRN~01370^^^^^^^^1325^^^^PRN~10086^^^^^^^^2076^^^^PRN~038750^^^^^^^^196^^^^LN~01370^^^^^^^^1395^^^^PRN|201610310732||||Phys|||^WPN^PH^^0^727^4411524~^ORN^FX^^0^727^4434206

ROL||AD|AD|004268^Fagen^Bruce^Donald^^^MD^^183^L^^^PRN^^^^20151001~1110^^^^^^^^900000^^^^DN~ME72320^^^^^^^^195^^^^LN~1760482400^^^^^^^^900004^^^^NPI~01370^^^^^^^^769^^^^PRN~10086^^^^^^^^777^^^^PRN~10086^^^^^^^^745^^^^PRN~10086^^^^^^^^779^^^^PRN~10086^^^^^^^^2127^^^^PRN~10086^^^^^^^^781^^^^PRN~10086^^^^^^^^748^^^^PRN~01370^^^^^^^^771^^^^PRN~10086^^^^^^^^783^^^^PRN~01370^^^^^^^^772^^^^PRN~01370^^^^^^^^737^^^^PRN~01370^^^^^^^^684^^^^PRN~01370^^^^^^^^1316^^^^PRN~01370^^^^^^^^775^^^^PRN~10086^^^^^^^^2077^^^^PRN~10086^^^^^^^^581^^^^PRN~10086^^^^^^^^1505^^^^PRN~10086^^^^^^^^757^^^^PRN~10086^^^^^^^^2078^^^^PRN~01370^^^^^^^^1325^^^^PRN~10086^^^^^^^^2076^^^^PRN~038750^^^^^^^^196^^^^LN~01370^^^^^^^^1395^^^^PRN|201610310732||||Phys|||^WPN^PH^^0^727^4411524~^ORN^FX^^0^727^4434206

OBX|1|CE|AdditionalData1^^LSFUSERDATAE||N||||||R

OBX|2|NM|9272-6^Apgar 1^LN||0

OBX|3|NM|9274-2^Apgar 5^LN||0

OBX|4|CE|1ESTATE^^LSFUSERDATAP||N||||||R

GT1|1|7000009191^^^504^MR^^20160909~810006486^^^900000^PN^^20160909|MATNEYTEST^CHARITY^^^^^L^^^20160909||2995 DREW ST^^Clearwater^FL^33759^USA^M^^Pinellas^^^20160909|^PRN^PH^^1^727^2892587^^Pref||19570625|F|P|6||||||||||||||N|||||S||||||EN|||||Baptist|||Unknown|||||||||||White

IN1|1|768^FA Pin Cnty Referred|1510^^^900000^XX^^20130605|Financial Assistance^L^1510^^^900000^XX|3986 TAMPA RD^^OLDSMAR^FL^34677^USA^M^^^^POLCS-M~2995 Drew Street^ATTN: CBO^Clearwater^FL^33759^USA^M^^^^HCS-M|^^^^^^^POLCS-M|^WPN^PH^^0^999^9999999^^POLCS-M||FA Pin Cnty Referred||||||Health|MATNEYTEST^CHARITY^^^^^L^^^20160909|6|19570625|2995 DREW ST^^Clearwater^FL^33759^USA^M^^Pinellas|||1||||||||||||||NONE|||||||F||false||||7000009191^^^504^MR^^20160909~810006486^^^900000^PN^^20160909

IN2|||||||||||||||||||||||||99999|GENE||||||||EN|||||Baptist|||Unknown|S||||||||||||||||||||^PRN^PH^^1^727^2892587^^Pref||||||||White|6

ZIN||||||||||||||||||||||||||||||||||||||||||||||||||||^^policyPlanName^policyPlanName^FA Pin Cnty Referred||||||768^^^900000^HPI^20130611~Fin Assist^^^183^NHPI^20140313

PDA||||||N|||N

ZPV||||||||||||||||||||||||||||||||||||||||||||||||AttributeDirty|""|BCBCE2MMS1002LK|||||||||||^^mostCurrEncTypeCd^mostCurrEncTypeCd^IP||||||||5103791061^^No SCD^504^ZAVN^^20161031||201610310732

ZID|7000009191^^^504^MR^^20160909~810006486^^^900000^PN^^20160909

**From Cloverleaf to TheraDoc:**

MSH|^~\&|SOARIAN|6A0|THERADOC||201610310735||ADT^A01|41268553-c60b-4ae5-8|P|2.7||1

EVN|A01|201610310735||CI|lxm57363|201610310732

PID|1|810006486|7000009191^^^BCHS^MR||MATNEYTEST^CHARITY||19570625|F||W|2995 DREW ST^^Clearwater^FL^33759^USA^M^^Pinellas^^^20160909||(727)289-2587||ENG|S|BAP|6000023710

PV1||I|2EMC^2305^P^MCS||||004268^Fagen^Bruce^Donald^^PRN^1760482400^NPI^01370^PRDOC^MC|||MED||||||||I||||||||||||||||||||||||||201610310732

IN1|1|768^FA Pin Cnty Referred||Financial Assistance^L^1510^^^900000^XX|3986 TAMPA RD^^OLDSMAR^FL^34677^USA^M^^^^POLCS-M~2995 Drew Street^ATTN: CBO^Clearwater^FL^33759^USA^M^^^^HCS-M|^^^^^^^POLCS-M|^WPN^PH^^0^999^9999999^^POLCS-M||FA Pin Cnty Referred||||||Hea|MATNEYTEST^CHARITY^^^^^L^^^20160909|6|19570625|2995 DREW ST^^Clearwater^FL^33759^USA^M^^Pinellas|||1||||||||||||||NONE|||||||F||fa||||7000009191~810006486

From Cerner to Cloverleaf to TheraDoc (raw message for Allergies):

MSH|^~\&|HNAM|CERNER|MDU|SOARIAN|20161003142909||ADT^A31|Q2640979356T3269659612||2.3||||||8859/1

EVN|A31|20161003142909|||4444698

PID|1|2105418805^^^BayCare MRN^MRN^SOARIAN|100660739^^^BayCare CMRN^Community Medical Record Number^SOARIAN| |IOPPXZ WEUBINUG^KOKCZ^D^^^^Current|B|19430309|F|IOPPXZ-WEUBINUG^KOKCZ^D^^^^Previous|White|9482 XCY NJEE PG^CFB 904^Pozupjz^FL^34176^^Home||||EN|S|Episcopalian|1101585982^^^BayCare FIN^FIN NBR^SOARIAN|975400816|||Non HIS or LAT|||0

PV1|1|I|H2MD^0200^P^MDU^^Bed(s)^MDU|Emergency|||14134^Fceczic^Upocgpx^F^^^^^MDU Dr Number^Personnel^^^ORGANIZATION DOCTOR^CACTUS~14134^Fceczic^Upocgpx^F^^^^^MCS Dr Number^Personnel^^^ORGANIZATION DOCTOR^CACTUS~14134^Fceczic^Upocgpx^F^^^^^NBY Dr Number^Personnel^^^ORGANIZATION DOCTOR^CACTUS~14134^Fceczic^Upocgpx^F^^^^^SAH Dr Number^Personnel^^^ORGANIZATION DOCTOR^CACTUS~1386704856^Fceczic^Upocgpx^F^^^^^NPI Number^Personnel^^^National Provider Identifier^CACTUS~14134^Fceczic^Upocgpx^F^^^^^SJW Dr Number^Personnel^^^ORGANIZATION DOCTOR^CACTUS~14134^Fceczic^Upocgpx^F^^^^^SJH Dr Number^Personnel^^^ORGANIZATION DOCTOR^CACTUS~14134^Fceczic^Upocgpx^F^^^^^SJN Dr Number^Personnel^^^ORGANIZATION DOCTOR^CACTUS~14134^Fceczic^Upocgpx^F^^^^^SFB Dr Number^Personnel^^^ORGANIZATION DOCTOR^CACTUS~14134^Fceczic^Upocgpx^F^^^^^MPH Dr Number^Personnel^^^ORGANIZATION DOCTOR^CACTUS~OTH000^Fceczic^Upocgpx^F^^^^^UPIN^Personnel^^^DOCUPIN~BP6979756^Fceczic^Upocgpx^F^^^^^DEA No^Personnel^^^DOCDEA^CACTUS~6591674960004^Fceczic^Upocgpx^F^^^^^SureScripts Prescriber ID^Personnel^^^SureScripts Prescriber Index~MS029258^Fceczic^Upocgpx^F^^^^^Username^Personnel^^^Username^CACTUS~ME107758^Fceczic^Upocgpx^F^^^^^Doctor License Number^Personnel^^^LICENSENBR^CACTUS~MS029258^Fceczic^Upocgpx^F^^^^^BayCare Dr Number^Personnel^^^ORGANIZATION DOCTOR^CACTUS||15025^Yozpgc^Zcvzjb^Y^^^^^External Id^Personnel^^^External Identifier~E80094^Yozpgc^Zcvzjb^Y^^^^^UPIN^Personnel^^^DOCUPIN^CACTUS~823^Yozpgc^Zcvzjb^Y^^^^^MPH Dr Number^Personnel^^^ORGANIZATION DOCTOR^CACTUS~823^Yozpgc^Zcvzjb^Y^^^^^MCS Dr Number^Personnel^^^ORGANIZATION DOCTOR^CACTUS~823^Yozpgc^Zcvzjb^Y^^^^^MDU Dr Number^Personnel^^^ORGANIZATION DOCTOR^CACTUS~823^Yozpgc^Zcvzjb^Y^^^^^NBY Dr Number^Personnel^^^ORGANIZATION DOCTOR^CACTUS~79356^Yozpgc^Zcvzjb^Y^^^^^SJH Dr Number^Personnel^^^ORGANIZATION DOCTOR^CACTUS~79356^Yozpgc^Zcvzjb^Y^^^^^SJW Dr Number^Personnel^^^ORGANIZATION DOCTOR^CACTUS~1154388833^Yozpgc^Zcvzjb^Y^^^^^NPI Number^Personnel^^^National Provider Identifier^CACTUS~BK2108670^Yozpgc^Zcvzjb^Y^^^^^DEA No^Personnel^^^DOCDEA^CACTUS~79356^Yozpgc^Zcvzjb^Y^^^^^SJN Dr Number^Personnel^^^ORGANIZATION DOCTOR^CACTUS~79356^Yozpgc^Zcvzjb^Y^^^^^SAH Dr Number^Personnel^^^ORGANIZATION DOCTOR^CACTUS~79356^Yozpgc^Zcvzjb^Y^^^^^SFB Dr Number^Personnel^^^ORGANIZATION DOCTOR^CACTUS~D00823^Yozpgc^Zcvzjb^Y^^^^^Username^Personnel^^^Username~5984362196004^Yozpgc^Zcvzjb^Y^^^^^SureScripts Prescriber ID^Personnel^^^SureScripts Prescriber Index~MS003743^Yozpgc^Zcvzjb^Y^^^^^Username^Personnel^^^Username^CACTUS~ME67723^Yozpgc^Zcvzjb^Y^^^^^Doctor License Number^Personnel^^^LICENSENBR^CACTUS~MS003743^Yozpgc^Zcvzjb^Y^^^^^BayCare Dr Number^Personnel^^^ORGANIZATION DOCTOR^CACTUS|MED||||EO||N|14134^Fceczic^Upocgpx^F^^^^^MDU Dr Number^Personnel^^^ORGANIZATION DOCTOR^CACTUS~14134^Fceczic^Upocgpx^F^^^^^MCS Dr Number^Personnel^^^ORGANIZATION DOCTOR^CACTUS~14134^Fceczic^Upocgpx^F^^^^^NBY Dr Number^Personnel^^^ORGANIZATION DOCTOR^CACTUS~14134^Fceczic^Upocgpx^F^^^^^SAH Dr Number^Personnel^^^ORGANIZATION DOCTOR^CACTUS~1386704856^Fceczic^Upocgpx^F^^^^^NPI Number^Personnel^^^National Provider Identifier^CACTUS~14134^Fceczic^Upocgpx^F^^^^^SJW Dr Number^Personnel^^^ORGANIZATION DOCTOR^CACTUS~14134^Fceczic^Upocgpx^F^^^^^SJH Dr Number^Personnel^^^ORGANIZATION DOCTOR^CACTUS~14134^Fceczic^Upocgpx^F^^^^^SJN Dr Number^Personnel^^^ORGANIZATION DOCTOR^CACTUS~14134^Fceczic^Upocgpx^F^^^^^SFB Dr Number^Personnel^^^ORGANIZATION DOCTOR^CACTUS~14134^Fceczic^Upocgpx^F^^^^^MPH Dr Number^Personnel^^^ORGANIZATION DOCTOR^CACTUS~OTH000^Fceczic^Upocgpx^F^^^^^UPIN^Personnel^^^DOCUPIN~BP6979756^Fceczic^Upocgpx^F^^^^^DEA No^Personnel^^^DOCDEA^CACTUS~6591674960004^Fceczic^Upocgpx^F^^^^^SureScripts Prescriber ID^Personnel^^^SureScripts Prescriber Index~MS029258^Fceczic^Upocgpx^F^^^^^Username^Personnel^^^Username^CACTUS~ME107758^Fceczic^Upocgpx^F^^^^^Doctor License Number^Personnel^^^LICENSENBR^CACTUS~MS029258^Fceczic^Upocgpx^F^^^^^BayCare Dr Number^Personnel^^^ORGANIZATION DOCTOR^CACTUS|I||N||||||||||||||||APP|||MDU||Active|||20151215110300

AL1|1|MA|^adhesive tape||blisters

ZAL|UPDATE||2027639|2027639|Allergy|Active|^blisters||||20161003142904|^Bartlett^Jessica^^^^^^^Personnel|0

AL1|2|DA|d00118^sulfADIAZINE^Multum Drug||2576576015

ZAL|UPDATE||2027578|2027578|Allergy|Active|2576576015^Itching^995935||||20161003142904|^Bartlett^Jessica^^^^^^^Personnel|0

From Cerner to Cloverleaf to TheraDoc (raw message for Heights/Weights):

MSH|^~\&|HNAM|CERNER|SJH|BAYCARE|20161005102705||ORU^R01|Q2641093208T3269882876||2.3||||||8859/1

PID|1|2105628577^^^BayCare MRN^MRN^SOARIAN|2105628577^^^BayCare MRN^MRN^SOARIAN~300727279^^^BayCare CMRN^Community Medical Record Number^SOARIAN| |IEJZU^KXFNJC||20150821|F||W|3009  M DCGBJZ EOBNUG YJZH SEVP^^bcdfc^^33105^^Home~zxzu^^^^^^e-mail||||ENG|S|CD:738203937|1101569720^^^BayCare FIN^FIN NBR^SOARIAN||||NOH|||0

PV1|1|I|PI2^E234^A^SJH^^Bed(s)^SJH|R||||||PED||||RP||N||I||C|||||||||||||||||||SJH||Active|||20151211104100

PV2||I|^RESPIRATORY FAILURE, CARDIAC FAILURE||||MRSA|||0||||||||||||CONFID|^^589748

IN3|1|IP0545069521^^^^Authorization|||||||20151214163352|21001231000000

ORC|SN||7931140749^HNAM\_ORDERID||65||||20161005102704|^SYSTEM^Donotchange^^^^^^^Personnel||^SYSTEM^Donotchange^^^^^^^Personnel|||20161005102704|||Discern Expert^Discern Expert|^SYSTEM^Donotchange^^^^^^^Personnel

OBR|1||7931140749^HNAM\_ORDERID|DEHTWT^Discern HT WT||||||||||||^SYSTEM^Donotchange^^^^^^^Personnel||||||20161005102704||Discern Rule Order|||1^^0^20161005102704

NTE|1|ORDCOM|Discern Order entered secondary to height and/or weight being entered on a patient in MedManager, PowerForm, or Direct Flow Sheet Charting.

OBX|1|ST|HEIGHT^DE Height||61.00|cm

OBX|1|ST|WEIGHT^DE Weight||6.70|kg

# **5. Testing**

## 5.1. Unit Testing Scenarios

|  |  |
| --- | --- |
| **Scenario** | **Expected Result** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

## 5.2 Integrated Testing Scenarios

|  |  |
| --- | --- |
| **Scenario** | **Expected Result** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

## 5.3 Testing Approvals

|  |  |  |  |
| --- | --- | --- | --- |
| **Testing Phase** | **Date** | **Department** | **Team Member** |
| PH1.UNIT |  |  |  |
| PH1.INTEGRATED |  |  |  |

### 

## 5.4 Piloting

List the facilities and associated networks in scope for pilot testing.

## 5.5 Approvals

|  |  |  |  |
| --- | --- | --- | --- |
| **Testing Phase** | **Date** | **Department** | **Team Member** |
| PH1.0 |  |  |  |
|  |  |  |  |
|  |  |  |  |

# 6. Deployment / Implementation Model

Provide the detail as to how to deploy the solution defined in the IDBB from both the BAYCARE and vendor perspective.

## 6.1 Alerts

Are you going to need alerting on this connection?

|  |  |
| --- | --- |
| Yes |  |
| No |  |

If the answer is yes, please complete the table below:

|  |  |  |  |
| --- | --- | --- | --- |
| **Site Name** | **Hours of Support** | **Distribution Group** | **Comments** |
|  |  |  |  |
|  |  |  |  |

# Appendix A: Risks and Concerns

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Project Name** |  |  | | |  |  |  |  |
| **Number** | **Risk / Concern** | **Comment** | **Mitigation** | | |  |  |  |
| RC.2013.1.0 |  |  | |  | |  |  |  |

# Appendix B: Issues List

This is a dynamic list of the open issues related to the IDBB that remain to be solved, including but not limited to TBDs, pending decisions, information needed, conflict awaiting resolution, and the like.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Project Name** |  |  | | |  |  |  |  |
| **Number** | **Issue** | **Comment** | **Fix** | | |  |  |  |
| I.2013.1.0 |  |  | |  | |  |  |  |

* End of document