**Phreesia ADT to Soarian**

**Version 1.0**

**Prepared By: Stephen Mattei**

**Date: 5/24/2019**

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# **Document Control**

## Resources: (include Project Team Members, Liaisons, Vendor Contacts, etc.)

|  |  |  |
| --- | --- | --- |
| **Name** | **Role** | **Email** |
| Kathleen Williams | Project Manager | [Kathleen.Williams@baycare.org](mailto:Kathleen.Williams@baycare.org) |
| Daniel Alicea | IS Product Owner (Manager of Registration Systems) | [Daniel.Alicea@baycare.org](mailto:Daniel.Alicea@baycare.org) |
| Stephen Mattei | IS Enterprise Integration Architect | [Stephen.mattei@baycare.org](mailto:Stephen.mattei@baycare.org) |
| Briana Maffettone | Phreesia Client Services | [bmaffettone@phreesia.com](mailto:bmaffettone@phreesia.com) |
| Allison Gourvitz | Phreesia Product Manager | [agourvitz@phreesia.com](mailto:agourvitz@phreesia.com) |
| Sara DiNardo | Phreesia Director of Client Services \ PM | [sdinardo@phreesia.com](mailto:sdinardo@phreesia.com) |
|  |  |  |
|  |  |  |

## Project Distribution List

## Document Version Control

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Modifier** | **Description** |
| V1.0 | 5/24/2019 | Stephen Mattei | Originally Created |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

# 1. Introduction

## 1.1 Purpose

This document defines the record structure and business logic deployed to integrate Phreesia ADT to Soarian. This document is to be used a reference source.

## 1.2 Project Scope

Soarian Financials is sending ADT data Phreesia to so it can facilitate the pre-registration and patient input process. The patients can either check in from home to complete forms and update basic demographics or at the point of care using the Phreesia tablet.

## 1.3 Terminology Standards

### 1.3.1 Acronyms

Click here to enter text.

### 1.3.2 Glossary

Click here to enter text.

## 1.4 Document References

List all documents or Web addresses to which this IDBB refers; provide enough information so that the reader can access a copy of each reference. Include the title, author, version number, date, and source or location.

# 2. Diagram

Solution diagram not created due to simple nature of integration.



# 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.2019.1.0 | Only pass approved data elements for PID and PV1 | See mapping below for details on fields allowed to pass from Phreesia to Soarian |
| FR.2019.2.0 | Person vs Encounter Routing | Ensure that data is routed to appropriate outbound connection |
|  |  |  |

## 3.2 Non-Functional Requirements

Provide concise detail for the below non-functional requirements. This would include external table ownership, hours of support, etc. The below requirements must be evaluated for every project.

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

## 3.3 Messaging Protocols

Below are listed the details for the messaging protocols that will be leveraged for this integration. This includes: TCP/IP, FTP, Web Services, etc.

### 3.3.1 Inbound to the BayCare Cloverleaf

|  |  |
| --- | --- |
| FTP |  |
| MLLP Socket Connection (TCP/IP) |  |
| Local File Drop by Midrange Team |  |
| Other | Click here to enter text. |

### 3.3.4 Outbound to the Vendor

|  |  |
| --- | --- |
| FTP |  |
| MLLP Socket Connection (TCP/IP) |  |
| Local File Drop by Midrange Team |  |
| Other | Click here to enter text. |

# 4. HL7 Messaging

## 4.1 Messaging Format

### 4.1.1 Segments

The segments utilized for this interface are:

MSH

EVN

PID

[PV1]

[PV2]

{[NK1]}

{[OBX]}

{[ZPT]}

{[ZSH]}

*Message Construction Notes:*

*[Square Brackets] – Optional*

*{Curly Brackets} – Repeatable*

*MSH – Message Header*

*EVN – Event segment*

*PID – Patient ID segment*

*PV1 – Patient Visit segment*

*PV2 – Common Order segment*

*NK1 – Next of Kin*

*OBX – Observation*

*ZPT – Additional Data*

*ZSH -*

*[{ – 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

|  |  |
| --- | --- |
| **Event Type** | **Description** |
| A04 | Patient Registration |
| A08 | Update Patient Infor |
| A31 | Person Update |

### 4.1*.*3 Cloverleaf Configuration Files

Tps\_phreesia\_soarf\_adt.tcl

### 4.1.4 Cloverleaf Site Location

Soarf\_outbound\_23

## 4.2 Data Transformation Requirements

| **Field Description** | **HL7 Field Loc.** | **Required Y/N** | **Notes** |
| --- | --- | --- | --- |
| Message Header | MSH | Y | No modifications to MSH |
| Event Segment | EVN | Y | No modifications to EVN |
| Patient ID Number | PID:3.1 | Y | Removed leading zeros |
| Patient Data Segment | PID | Y | Only the fields below are mapped for PID. The Soarian team wanted to restrict the fields available for update. |
| Patient Sex | PID:8 | Y | No change |
| Patient Race | PID:10 | N | No change |
| Patient Address | PID:11 | N | No change |
| Patient Phone | PID:13 | N | No change |
| Patient Primary Language | PID:15 | N | No change |
| Patient Marital Status | PID:16 | N | No change |
| Patient VCD \ FIN \ Account Number | PID:18 | Y | No change |
| Patient Ethnic Group | PID:22 | N | No change |
| Last Update Time | PID:33 | Y | No change |
| Patient Visit Segment | PV1 | Y | Only the fields below are mapped for PV1. The Soarian team wanted to restrict the fields available for update. |
| Visit Number | PV1:19 | Y | No change |
| Encounter Location | PV1:39 | Y | No change |
| Admit Date and Time | PV1:44 | Y | No change |
| Patient Visit Additional Data | PV2 | N | No modifications to PV2 |
| Next of Kin | NK1 | N | No modifications to NK1 |
| Observation | OBX | N | No modifications to OBX |
| Additional Data | ZPT | N | No modifications to ZPT |
| Additional Data | ZSH | N | No modifications to ZSH |

## 4.3 Sample Message

MSH|^~\&|PHREESIA|M0J5|BOI||20190530134939||ADT^A04|b3bf16be-ceb4-43f3-ba1b-7c9653a1674c||2.3

EVN|A04|20190530134937|||PHREESIA

PID|||810121017^^^900000^PN|||||F|||706 GONE LOOPY^102^OLDSMAR^FL^34677^USA^M||^PRN^PH^^^727^3658643^^""~^ORN^CP^^^727^3658643^^Pref~^NET^^TRACEY.BYINGTON@BAYCARE.ORG||ES|M||6000144285^^^504^VCD||||Non HIS or LAT|||||||||||201905301349

NK1|1|BYINGTON^KYLE^^^^^L|A||7273657878^PRN^PH~7274127878^ORN^PH||Emergency Contact 1

PV1|||||||||||||||||||5400057151^^^504^VN||||||||||||||||||||BOI Bardmoor|||||20190530134937

PV2|||||||||||||||||||||||BOI Bardmoor

ZPT|Consent|Y|20190530|20190530

ZPT|FIN\_NEED|COB|20190530|20190530

ZSH||||||TRUE

# 5. 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