**Soarian ADT to Phreesia**

**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 Soarian ADT to Phreesia. 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

### 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

No diagram included because of the simple nature of this interface.

# 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 | Prevent Rebound Loopback | A filter was put in place to stop Phreesia originating messages from being sent back to Phreesia. When EVN:5 is equal Phreesia the message is killed |
| FR.2019.2.0 | Unknown Patient Name | If the patient name is type PID:5.6.1 “U” \ unknown as in a John Doe then kill the message |
| FR.2019.3.0 | Block Behavioral Health Facilities | If the facility is ISU SIP CRC BHO WBH BLM kill the message |
| FR.2019.4.0 | Allow PCP Behavioral Health BMG Locations | If PV1:39, encounter location, is any of (21311 23756 21312 21313 21315 21314 21316 22274) 21488 allow the messages through. This is the only exception to FR.2019.3.0. |
| FR.2019.5.0 | Doctor End Date Eval | We only send through PCP doctors that don’t have a defined end date for care. |
| FR.2019.6.0 | Default No Doc Values | If a default doctor number is used don’t sent the doc to Phreesia: 444444 - 555555 - 999995 - 999998 - 999999 – 66666 |
| FR.2019.7.0 | Only Send Legal Names | Only allow legal name or names with the type code of “L” to be sent to Phreesia |
| FR.2019.8.0 | PCP copied to PV1 | PCP is copied from ROL to PV1:52 |

## 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.2019.1.0 |  |  |

## 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. |

### 3.3.2 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

|  |
| --- |
| MSH  [ZSH] |
| EVN |
| PID |
| [ PD1 ] |
| [ MRG ] |
| [{ NK1 } ] |
| [ PV1 ] |
| [ PV2 ] |
| [{ OBX } ] |
| [{ DG1 } ] |
| [{ DRG } ] |
| [{ PR1 } ] |
| [{ GT1 } ] |
| [ ZG1 ] |
| [ { |
| IN1 |
| [ IN2 ] |
| [ ZIN ] |
| [ ZAR ] |
| [{ PRT } ] |
| } ] |
| [ PDA ] |
| [ ZPV ] |
| [ ZP1 ] |
| [{ ZPT } ] |

### 

### 4.1*.*2 Messaging Event Types

Below are the messages types necessary for this integration

|  |  |
| --- | --- |
| **Event Type** | **Description** |
| ADT^A01 | Admit |
| ADT^A02 | Transfer |
| ADT^A03 | Discharge |
| ADT^A04 | Register |
| ADT^A05 | Pre-Admit |
| ADT^A06 | Change outptnt to inptnt |
| ADT^A07 | Change inptnt to outptnt |
| ADT^A08 | Update |
| ADT^A10 | Patient arriving |
| ADT^A11 | Cancel admit/visit |
| ADT^A13 | Cancel discharge |
| ADT^A28 | Add person info |
| ADT^A31 | Update person info |
| ADT^A38 | Cancel pre-admit |
| ADT^A40 | Merge patient |
| ADT^A44 | Move account info |
| ADT^A45 | Move visit info |
| ADT^A47 | Change ptnt identifier |

### 4.1*.*3 Cloverleaf Configuration Files

Tps\_soarf\_phreesia\_adt.tcl, tpsAdvHl7Filter.tcl

### 4.1.4 Cloverleaf Site Location

Phreesia\_33\_p

## 4.2 Data Transformation Requirements

| **Field Description** | **HL7 Field Loc.** | **Required Y/N** | **Notes** |
| --- | --- | --- | --- |
| All | \*\*\* |  | All segments passes as is whit the exceptions noted below |
| Patient Name | PID:5 | Y | Only send the legal names and not the aliases. This is being done because a business process \ application that introduces the wrong patient name from an estimate but only as an alias not legal name. |
| PCP | PV1:52 | N | Copy the PCP to PV1:52 from ROL |
|  |  |  |  |

## 4.3 Sample Message

MSH|^~\&|SOARF|SAH|||201905301054||ADT^A08|6b496431-1016-4eca-8d80-10c5fddfb34c|P|2.7||1

EVN|A08|201905301054||RVE|W0A5asyncuser|201905301054|SOARIANU0A5

PID|1|810121858^^^900000^PN|7000110638^^^BCHS^MR||HASANTEST^TEST^^^^^L^^^20190326||19910802|M||White|111 FAKE ST^^Saint Petersburg^FL^33709^USA^M^^Pinellas^^^20190326||^PRN^PH^^1^111^1111111||EN|S||6000144280^^^BCHS^VCD^^20190530||||Non HIS or LAT||N|0|||||N|N

PD1||||||||N

PV1|1|O|||||079747^Patel^Aalok^T^^PRN^1396987970^NPI|||MRI|||N||||079747^Patel^Aalok^T^^PRN^1396987970^NPI|OP|5400057146^^^504^VN^^20190530||||||||||||||||||||9046|||||201905311100|||||||V|

PV2|||^test||||~~~~false||||||||N||||||N||AH Ancillary^L^1429^^^900000^XX~^^1427024942^^^900004^NPI|Scheduled|||||||N|||||N

ROL||UC|PP|555555^No^PCP per pt^^^PRN^^^55555^PRDOC^SAH|201903261436||||Phys

ROL||UC|AT|OS11076^Patel^Aalok^T^^^DO^^195^L^^^LN^^^^20180727~1396987970^^^^^^^^900004^^^^NPI~079747^^^^^^^^183^^^^PRN~32626^^^^^^^^900000^^^^DN~079747^^^^^^^^2075^^^^PRN~079747^^^^^^^^2076^^^^PRN~079747^^^^^^^^2078^^^^PRN|201905311100||||Phys||2727 W Martin Luther King Boulevard Ste 310^^Tampa^FL^33607^^M|^WPN^PH^^0^813^3507244~^ORN^FX^^0^813^3507246

ROL||UC|AD|OS11076^Patel^Aalok^T^^^DO^^195^L^^^LN^^^^20180727~1396987970^^^^^^^^900004^^^^NPI~079747^^^^^^^^183^^^^PRN~32626^^^^^^^^900000^^^^DN~079747^^^^^^^^2075^^^^PRN~079747^^^^^^^^2076^^^^PRN~079747^^^^^^^^2078^^^^PRN|201905311100||||Phys||2727 W Martin Luther King Boulevard Ste 310^^Tampa^FL^33607^^M|^WPN^PH^^0^813^3507244~^ORN^FX^^0^813^3507246

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

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

OBX|3|CE|1ETHNIC^^LSFUSERDATAP||N||||||R

OBX|4|CE|1MARITAL^^LSFUSERDATAP||S||||||R

OBX|5|ST|1NOEMAIL^^LSFUSERDATAP||false||||||R

OBX|6|CE|1RACE^^LSFUSERDATAP||C||||||R

GT1|1|7000110638^^^504^MR^^20190326~810121858^^^900000^PN^^20190326|HASANTEST^TEST^^^^^L^^^20190326||111 FAKE ST^^Saint Petersburg^FL^33709^USA^M^^Pinellas^^^20190326|^PRN^PH^^1^111^1111111||19910802|M|P|6||||||||||||||N|||||S||||||EN||||||||Non HIS or LAT|||||||||||White

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

ZPV|||||||||||||||||||||||||||||||||||||||||||||||||""|UNKNOWN|||||||||||||||||||5400057146^^No SCD^504^ZAVN^^20190530||201905311100

ZID|5900169^^^^ZAK~7000110638^^^504^MR^^20190326~810121858^^^900000^PN^^20190326

# 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