**Baby Steps Pediatrix ADT Requirements**

**Version 1.1**

**Prepared By: Tiffany Bohall**

**Date: 11/6/2015**

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# **Document Control**

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## Project Distribution List

## Document Version Control

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Modifier** | **Description** |
| V1.0 | 10/30/2015 | Tiffany Bohall | Originally Created |
| V1.1 | 11/6/2015 | Tiffany Bohall | Updated the Data Transformation type and length |
|  |  |  |  |

# 1. Introduction

## 1.1 Purpose

The purpose of this document is to outline the Admission, Discharge and Transfer (ADT) interface requirements for the Pediatrix Baby Steps applications.

## 1.2 Project Scope

Integration for this application includes an ADT interface from Soarian and then a Physician’s Notes interface from the application over to BayCare’s Cerner EMR.

## 1.3 Terminology Standards

### 1.3.1 Acronyms

Define the acronyms and their associated definitions used in this document. The acronyms should be listed in alphabetical order.

### 1.3.2 Glossary

**Baby Steps** is the application name.

**Pediatrix Medical Group** is the name of the vendor.

## 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 – N/A

Provide a solution diagram that depicts the integration of components specified in this IDBB. This diagram must include the data flow for the interfaces (source and target).



# 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.2015.11.2 | Pedia\_nurse\_station\_id.tbl | To limit the amount of unnecessary ADT transactions sent, there is a table of NICU nurse’s station values on each ADT route from Soarian on PV1.3.0. |
| FR.2015.11.2 | Live facilities | Currently only MPH, MCS, SJW and WHW are live with this application. |

## 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** |
| 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. Please see the reference document located on the Integration SharePoint server: <insert link to document here>

### 3.3.1 Inbound to BayCare’s Cloverleaf –N/A

* Click here to enter text.

### 3.3.2 Outbound from BayCare’s Cloverleaf

**Test -All facilities share 1 outbound**

Port Number: 19292

IP Address: 172.31.15.10

**Prod -MPH**

Port Number: 19292

IP Address: 172.31.14.37

**Prod -MCS**

Port Number: 19292

IP Address: 192.168.97.10

**Prod -SJW**

Port Number: 19292

IP Address: 192.168.82.10

**Prod -WHH**

Port Number: 19292

IP Address: 192.168.62.10

### 3.3.3 Inbound to the Vendor –N/A

* Click here to enter text.

### 3.3.4 Outbound to the Vendor –N/A

* Click here to enter text.

### 3.3.5 Inbound to the BayCare Cerner –N/A

* Click here to enter text.

### 3.3.6 Outbound to BayCare’s Cerner –N/A

* 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]

*Message Construction Notes:*

*[Square Brackets] – Optional*

*{Curly Brackets} – Repeatable*

*MSH – Message Header*

*EVN – Event segment*

*PID – Patient ID segment*

*PV1 – Patient Visit segment*

*ORC – Common Order segment*

*IN1 – Insurance 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

|  |  |
| --- | --- |
| **Event Type** | **Description** |
| A01 | Inpatient Admit |
| A02 | Transfer |
| A06 | Status transfer out to in |

### 4.1*.*3 Cloverleaf Configuration Files

Variant: HL7 2.6 Soarian ADT\_A01

Translation File: soarf\_pedia\_adt

### 4.1.4 Cloverleaf Site Location

Soarf\_adt\_fac

## 4.2 Data Transformation Requirements

| **Field Description** | **HL7 Field Loc.** | **Required Y/N** | **Data Type** | **Length** | **Notes** |
| --- | --- | --- | --- | --- | --- |
| Message Header Segment | MSH | Y | Varies | Varies | Path copy the entire segment |
| Sending Application | MSH.3 | Y | HD | 227 | Take the output of MSH.4 and copy |
| Receiving Application | MSH.5 | N | HD | 227 | Hard coding “Pediatrix” |
| Processing ID | MSH.11 | Y | PT | 3 | Hard coding “D” |
| Version ID | MSH.12 | Y | VID | 60 | Hard coding “2.3” |
| Event Segment | EVN | Y | Varies | Varies | Path copy the entire segment |
| Patient Identifier ID Number | PID.3 | Y | CX | 250 | Copy |
| Patient Name; family, given, second | PID.5.0  PID.5.1  PID.5.2 | Y | XPN | 250 | Copy |
| Date/time of birth | PID.7 | Y | DTM | 24 | Copy |
| Administrative Sex | PID.8 | Y | IS | 1 | Copy |
| Patient Account ID Number | PID.18 | Y | CX | 250 | Copy |
| Assigned Patient Location Point of Care | PV1.3.0 | Y | PL | 80 | Copy.  \*\*\*There is a table filter up on the ADT route that only passes the following nurse’s stations:\*\*\*   * A3NS * NICC * NICM * RNI * RTN * W2N1 * W2N2 * W3N1 * W3N2 * WNI * WNS |
| Attending Doctor; ID number, Family name, given name, second name, prefix | PV1.7.0  PV1.7.1  PV1.7.2  PV1.7.3  PV1.7.5 | Y | XCN | 250 | Copy |

## 4.3 Sample Message

MSH|^~\&|SJW|SJW|Pediatrix||201510070929||ADT^A01|8315cdfc-3019-4a80-8b0e-0edca7432476|D|2.3||1

EVN|A01|201510070929||CI|pdc50934|201510070921|9070

PID|||2104716326||CONETESTOVERLAY^ADOPTIONGUARANTOR||20151007|M||||||||||6000008611

PV1|||WNS^WNS^03^SJW||||022020^Pierce-Kee^Alisa^Suzanne^^PRN

# **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

Each facility was brought live at different times via staggered go lives.

# 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