Alerta Joven ICT System Release Notes

(Version 1.0.0)

# Overview

Alerta Joven, is an initiative that promotes opportunities for Dominican At- Risk Youth. Alerta Joven gives youth a chance to discover their talents, to regain their lives and be productive people who contribute positively to our society. The Information and Communication Technology group at RTI designed and implement the Alerta Joven database, web site and reporting to support this initiative. To learn more about the project visit the official web site at <www.alertajoven.com>.

# Components

For more details about the system components refer to the ArchitectureGuide.docx. The following components were implemented.

* Database
* Web site
* Providers, programs, activities management
* Extract, Transform, Load (ETL) programs
* Reporting
* Utilities

# Features

This section list the features that have been released. It’s important to note that all user accessible components are role-based. For example, Program Evaluators can access data for all providers, however users with role Provider Manager, Case Manager or Data Entry can see only entries belonging to their organizations.

## Database

The data entry forms below have been implemented for data entry personal to enter data. The forms were implemented using CouchDB database and Javascript.

* Participants entry form
* Survey entry form
* Participants list with actions
* Exit form
* Participants activity form
* Most at Risk Participants (MARP) form
* Participants and surveys export to CSV

## Web Site

* The pages under Database menu
* User roles and roles-based access
* Providers drop down list for user
* Drupal modules to integrate CouchDB-based entry forms

## Providers, Programs and Activities Management

Manage means add/delete/update and view entities. These feature were implemented on Drupal-based web site using the Drupal entity module. The management of the following entities have been implemented:

* Providers/organizations
* Programs
* Activities/services
* Program names
* Activity types
* Users

## Extract, Transform and Load (ETL)

For the purposes of the component the data from CouchDB had to be integrated with provider/programs/activities data stored into Drupal MySQL database. That is why the following Drupal modules have been implemented and run nightly as schedule Drupal jobs (cron jobs):

* Activities attendees loading module
* Participants exit data loading module
* Registrations loading module
* Surveys loading module
* Error and messages log module (used by all other loading modules)

## Reporting

Flexible, easily extendable and low-cost reporting solution has been implemented by using Forena Drupal module. All reports might be exported to CSV or PDF files. The following reports have been developed:

* Intake Report
* Overdue Intake Report
* Risk Screening Report
* Active Participants Report by Provider
* Active Participants Report by Provider and Barrio/Comunidad
* Services by Program
* Program unique Participants
* Participants Health Services Received

## Utilities

For data cleaning and automated data entry requests the following utilities have been released:

* Clean duplicate registrations
* Clean duplicate survey
* Incomplete to complete registrations conversion
* Incomplete to complete surveys conversion
* Create participants from a CSV input file
* Assign participants to activities from CSV input file
* Process incomplete from input CSV file
* Updating documents based on corrections from an Excel spreadsheet

# Enhancements

* To resolve the data export performance issue implemented registrations and surveys Drupal cron modules to export CouchDB data every night. This allows instant role-based access.
* Added the participant date of birth to Participants Health Services Received report
* Added export to CSV to the Participants Health Services Received

# Fixes

* Fixed problem with ETL modules when processing data with future data. When finding entities like that the loading modules stopped the processing and thus did not import entities with data earlier than the future data. Added check for future date.
* Fixed an issue into the Services by Program reports where the database query was assuming the service name is unique and generating inconsistent data.

# Known Issues and Problems

None