i2b2-based Registries Home

i2b2-based Registries

This is the home of the Related Project - i2b2-based Registries space.

The Cincinnati Children's Hospital Medical Center (CCHMC) i2b2 team has extended i2b2 to create an enhanced patient registry and an associated web-based toolkit. It provides the necessary functionality in a modular fashion, allowing users to choose the capabilities that are appropriate for their project. The enhanced registry architecture includes linkage to the EHR and an application layer that allows the development of functionality to support quality improvement and comparative effectiveness research. There are capabilities for data collection to capture information that is not collected in an EHR, as well as mechanisms for reporting and visualization.

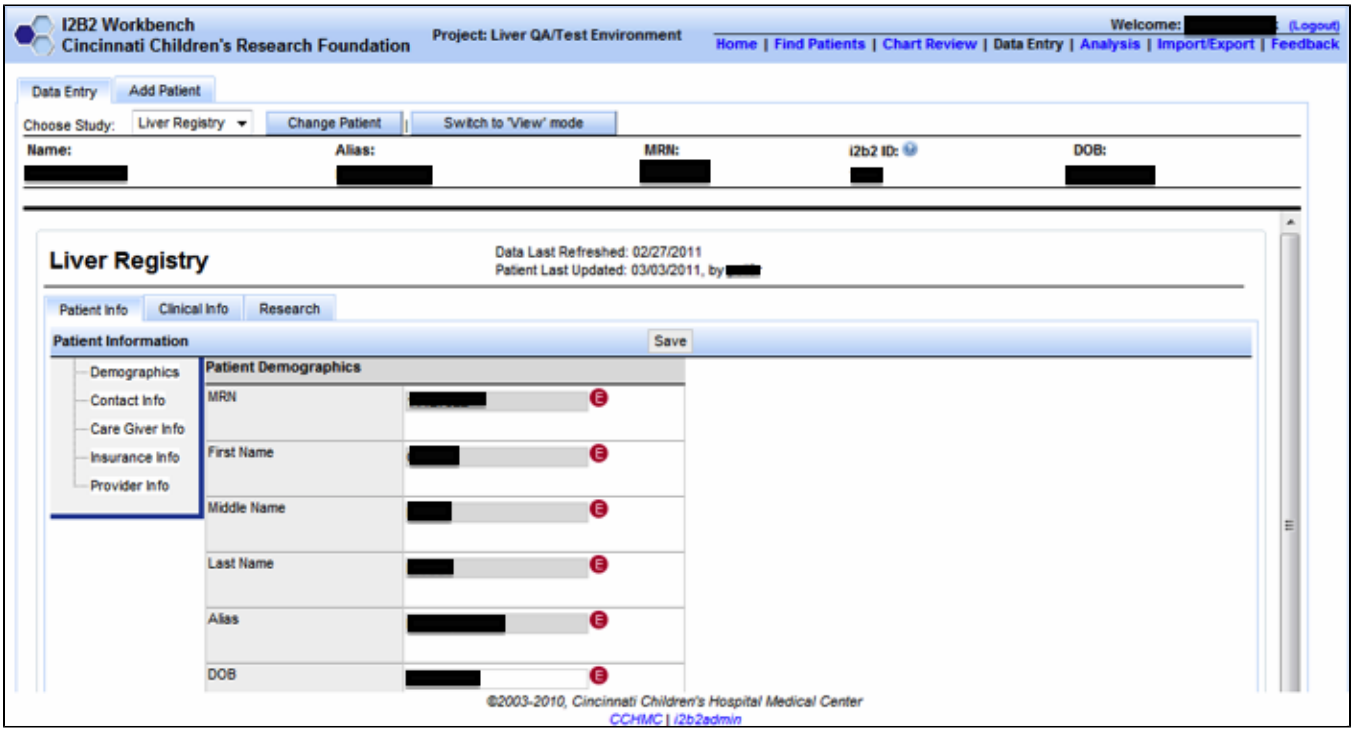
Versions of the CCHMC i2b2 code and data documents can be found at the CCHMC SVN: https://bmi.cchmc.org/svn/i2b2/i2b2/public/

Example Project: Liver Transplant Registry

Within CCHMC's i2b2 based Liver Transplant Registry users can:

1. **View/Edit EHR data:** Specific EHR fields are identified, mapped to i2b2, and displayed in either a read only, or editable format. Any changes are tracked through an audit trail and users are alerted through a color coding system if a new/different value is available to pull from the EHR.
2. **Perform Data Entry:** Through the use of forms users can add additional data to the i2b2 database.
3. **Run Pre-defined Reports:** Numerous pre-defined reports have been developed for users to run as needed.

View/Edit EHR Data: Patient Information



View/Edit EHR Data: Clinical Information

I2B2 Workbench
Cincinnati Children's Research Foundation

Project: Liver QA/Test Environment

Welcome: [redacted] (Logout)

Home | Find Patients | Chart Review | Data Entry | Analysis | Import/Export | Feedback

Data Entry | Add Patient

Choose Study: Liver Registry | Change Patient | Switch to 'View' mode

Name: [redacted] Alias: [redacted] MRN: [redacted] i2b2 ID: [redacted] DOB: [redacted]

Your form contains errors. Click here to view

Liver Registry

Data Last Refreshed: 02/27/2011
Patient Last Updated: 03/03/2011, by [redacted]

Patient Info | Clinical Info | Research

Clinical Information | Save

- Tracking/Score
- Referral
- Evaluation
- Listing
- Pre-Transplant
- Transplant
- Post-Transplant
- Immunosuppression
- Outside Admissions
- Exit

Patient Tracking/Current Score (if on W/L)	
Patient Status	
MELD or PELD	
Calculated Score	
Match Score	[redacted]
Status 1	
Exception points included in this score	
Reasons for Exceptions	
Specify Other	

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Perform Data Entry: Clinical Information

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Name:	Alias:	MRN:	i2b2 ID:	DOB:
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

Your form contains errors. Click here to view

Liver Registry

Data Last Refreshed: 02/27/2011
Patient Last Updated: 03/03/2011, by [redacted]

Patient Info | Clinical Info | Research

Clinical Information Save

- Tracking/Score
- Referral
- Evaluation
  - Evaluation
  - Evaluation Comments
  - Vitals
- Listing
- Pre-Transplant
- Transplant
- Post-Transplant
- Immunosuppression
- Outside Admissions
- Exit

Evaluation Information

Add [Evaluation]	**New**
Date of Evaluation	
Date of Team Discussion	
Outcome of Team Discussion	
If Deferred, reason for deferral	
Organs evaluated for	
Additional Organs Evaluated	
Primary Liver Disease at Evaluation	

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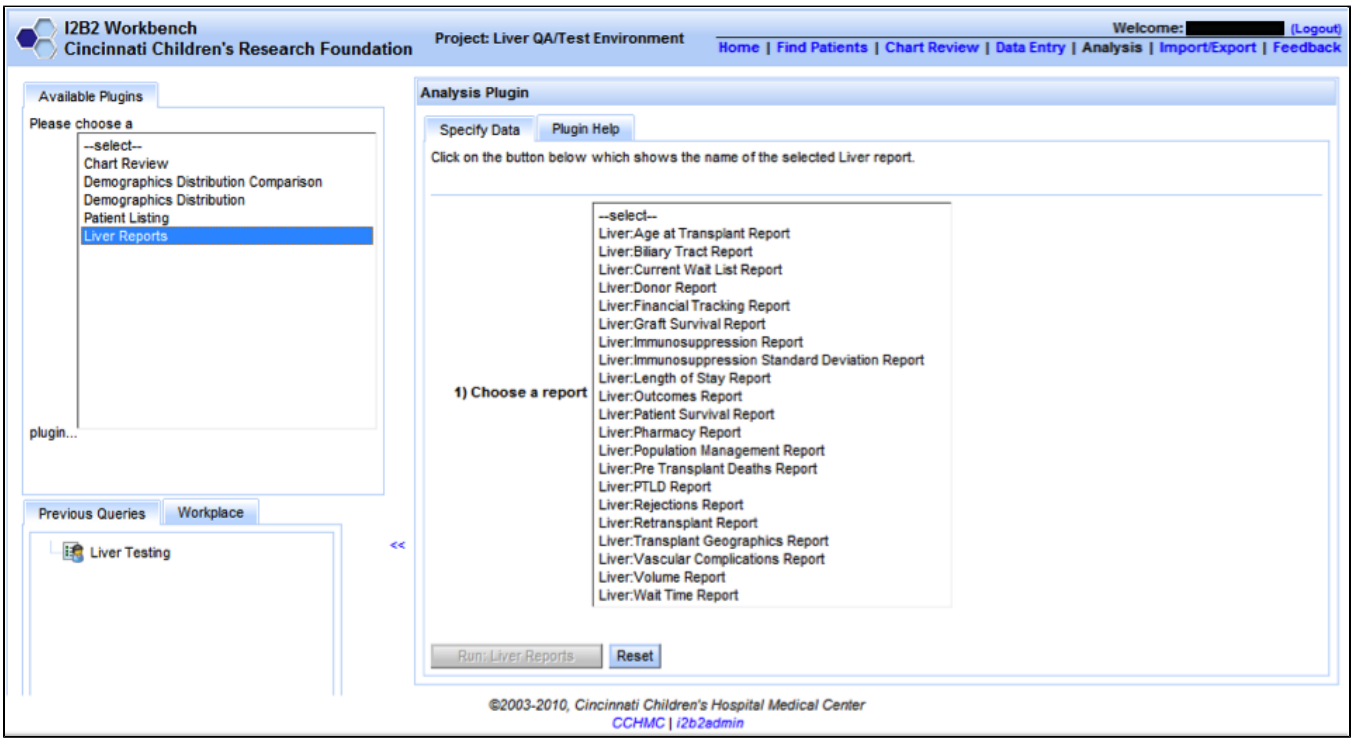
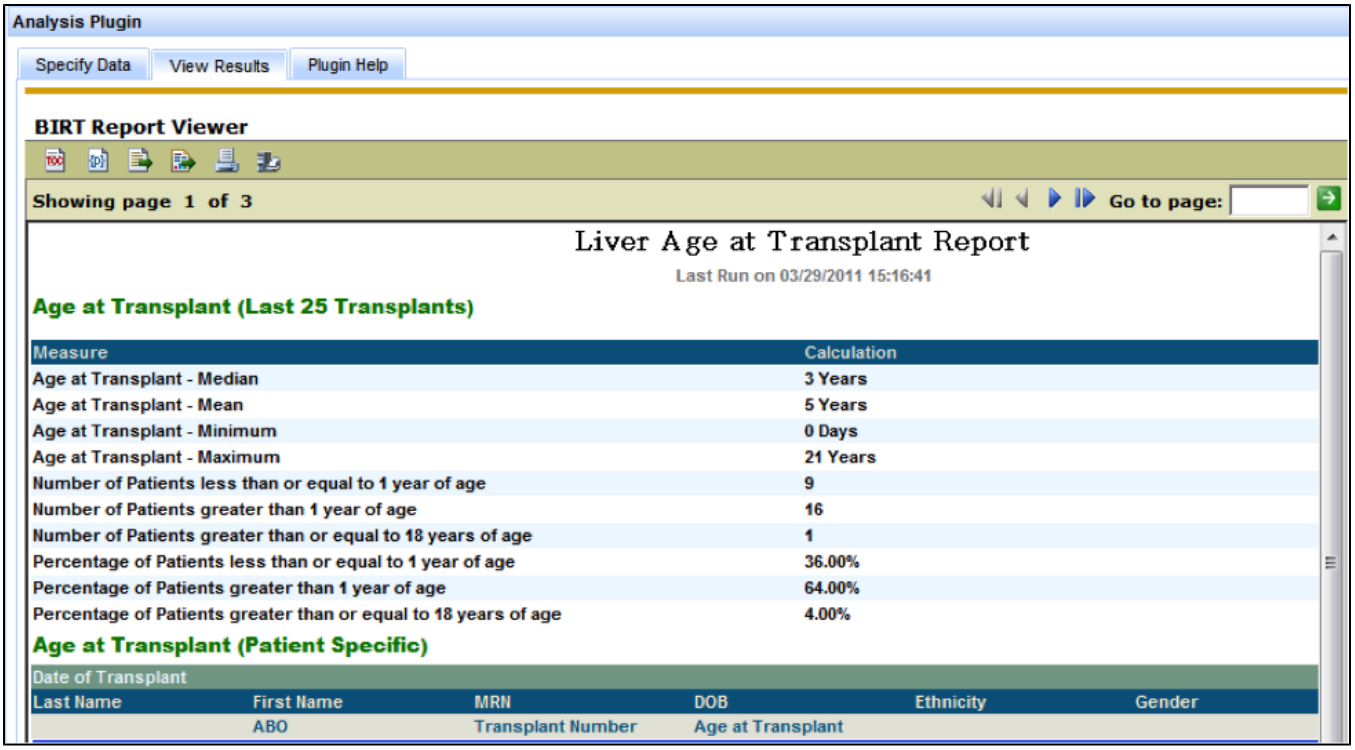
Run Pre-defined Reports:



Example Report: Liver Age at Transplant Report



More information can be found on the CCHMC i2b2 project site: http://i2b2.cchmc.org.