# 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

Data Entry | Add Patient

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

| Name: | Alias: | MRN: | i2b2 ID: ⓘ | DOB: |
|---|---|---|---|---|
| ▮▮▮▮ | ▮▮▮▮ | ▮▮▮ | ▮▮▮ | ▮▮▮ |

Your form contains errors. Click here to view

## Liver Registry

Data Last Refreshed: 02/27/2011
Patient Last Updated: 03/03/2011, by ▮▮▮

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 | ▮▮ Ⓔ |
| Status 1 | Ⓔ |
| Exception points included in this score | Ⓔ |
| Reasons for Exceptions | Ⓔ |
| Specify Other | ⓘ Ⓛ |

**Perform Data Entry:** Clinical Information

**Run Pre-defined Reports:**

**Available Plugins**

Please choose a

--select--
Chart Review
Demographics Distribution Comparison
Demographics Distribution
Patient Listing
Liver Reports

plugin...

**Previous Queries**     **Workplace**

📇 Liver Testing

<<

**Analysis Plugin**

Specify Data     Plugin Help

Click on the button below which shows the name of the selected Liver report.

1) Choose a report

--select--
Liver:Age at Transplant Report
Liver:Biliary Tract Report
Liver:Current Wait List Report
Liver:Donor Report
Liver:Financial Tracking Report
Liver:Graft Survival Report
Liver:Immunosuppression Report
Liver:Immunosuppression Standard Deviation Report
Liver:Length of Stay Report
Liver:Outcomes Report
Liver:Patient Survival Report
Liver:Pharmacy Report
Liver:Population Management Report
Liver:Pre Transplant Deaths Report
Liver:PTLD Report
Liver:Rejections Report
Liver:Retransplant Report
Liver:Transplant Geographics Report
Liver:Vascular Complications Report
Liver:Volume Report
Liver:Wait Time Report

Run: Liver Reports     Reset

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CCHMC | i2b2admin

**Example Report:** Liver Age at Transplant Report

**Analysis Plugin**

Specify Data     View Results     Plugin Help

**BIRT Report Viewer**

Showing page  1  of  3                                        Go to page:

# Liver Age at Transplant Report

Last Run on 03/29/2011 15:16:41

**Age at Transplant (Last 25 Transplants)**

| Measure | Calculation |
|---|---|
| Age at Transplant - Median | 3 Years |
| Age at Transplant - Mean | 5 Years |
| Age at Transplant - Minimum | 0 Days |
| Age at Transplant - Maximum | 21 Years |
| Number of Patients less than or equal to 1 year of age | 9 |
| Number of Patients greater than 1 year of age | 16 |
| Number of Patients greater than or equal to 18 years of age | 1 |
| Percentage of Patients less than or equal to 1 year of age | 36.00% |
| Percentage of Patients greater than 1 year of age | 64.00% |
| Percentage of Patients greater than or equal to 18 years of age | 4.00% |

**Age at Transplant (Patient Specific)**

Date of Transplant

| Last Name | First Name | MRN | DOB | Ethnicity | Gender |
|---|---|---|---|---|---|
| | ABO | Transplant Number | Age at Transplant | | |

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