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:

- 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

12B2 Workbench Cincinnati Childi	ren's Research Foundation	Project: Liver QA/Test Environment	Home Find Patients Chart Review	Welcome: 000000000000000000000000000000000000
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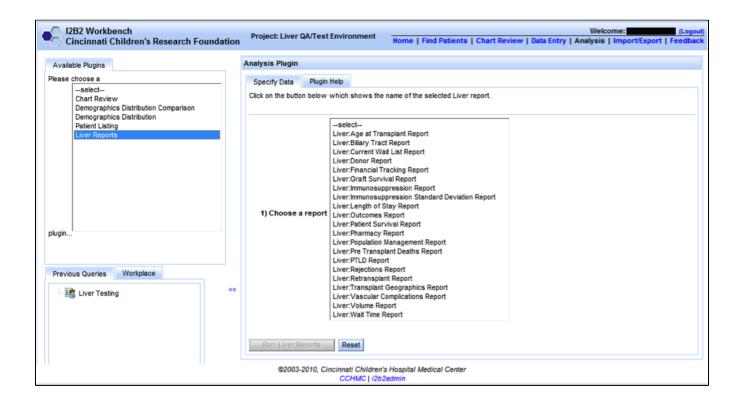
View/Edit EHR Data: Clinical Information

12B2 Workbench Cincinnati Children	s Research Foundation	Project: Liver QA/Test Environment	Home Find Patients Chart Review	Data Entry Analysis Import/Export Fe
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Perform Data Entry: Clinical Information

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···· Vitals						
+ Listing	Date of Team Discussion					
+ Pre-Transplant	Outcome of Team Discussion					
+ Transplant	Outcome of Team Discussion	•				
+ Post-Transplant	If Deferred, reason for deferral					
Immunosuppression						
Outside Admissions	Organs evaluated for					
Exit						
		#				
	Additional Organs Evaluated					
	Primary Liver Disease at Evaluation					
		*				
		©2003-2010, Cincinnati Child	iren's Hospitel	Medical Center		

Run Pre-defined Reports:



Example Report: Liver Age at Transplant Report

Specify Data Vie	ew Results Plugin Help				
BIRT Report V	iewer				
	4 1				
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More information can be found on the CCHMC i2b2 project site: http://i2b2.cchmc.org.