Final Technical Report - FG02-04ER63875
National Childhood Cancer Foundation

Project Name: Batch Data Upload and Validation

Project Description: The initiative will enable the COG Biopathology Center
(Biospecimen Repository), the Molecular Genetics Laboratory and other participating
reference laboratories to upload large data sets to the eRDES.

Project Objectives: The capability streamlines data currency and accuracy allowing the
centers to export data from local systems and import the defined data to the eRDES. The
process will aid in the best practices which have been defined by the Office of
Biorepository and Biospecimen Research (OBBR) and the Group Banking Committee
(GBC). The initiative allows for batch import and export, a data validation process and
reporting mechanism, and a model for other labs to incorporate.
All objectives are complete.

Project Impact: The solutions provided and the defined process eliminates dual
data entry resulting in data consistency. The audit trail capabilities allow for complete
tracking of the data exchange between laboratories and the Statistical Data Center (SDC).
The impact is directly on time and efforts. In return, the process will save money and
improve the data utilized by the COG.

Future Plans: Ongoing efforts include implementing new technologies to further
enhance the current solutions and process currently in place. Web Services and
Reporting Services are technologies that have become industry standards and will allow
for further harmonization with caBIG (cancer BioInformatics Grid). Additional testing
and implementation of the model for other laboratories is in process.

Project Name: DocuSAM/eRDES Integration

Project Description: The initiative integrates the DocuSAM (Document Simple Access
Method) document imaging and management tool with the eRDES. The integration will
facilitate automatic linking of lab and pathology reports, received by fax, to the defined
COG protocols.

Project Objectives: The project implemented and integrated a GFI component. A
development and test environment was implemented at the COG Biopathology Center to
incorporate a GFI Faxmaker/SMTP and MailArchiver for Exchange. The GFI
component allows documents to be received, then routed (automatically) to defined
mailboxes or archived in the defined database within the DocuSAM tool. This second
element is related to the documentation workflow, defined in the overall process flow.
The last element included an Application Programming Interface (API) for

11/14/2007

implementation of this solution on the presentation layer. This provides a complete web presence of the solution throughout the COG organization.
All objectives are complete.

Project Impact: The solution allows all members of the COG to view paper-based faxed documents over the web for archiving, printing, etc. For example, protocol committee members see imagined documents for all patients on a study while institutional members will view only documents for their institution's patients. The capability supports linking of other electronic document types, such as roadmaps, surgery checklist and more. The automatic routing, archiving and storage of faxed documents for review via the web streamlines the data collection process and turnaround time associated with the protocol accrual. This process supports the NCI's goals for harmonization and positions the COG as the leader in standardization throughout the Group Banking Committee.

Future Plans: In current discussion to link the COG Biopathology Center's DocuSAM solution and the SDC solution via web services.

11/14/2007