Health Analysis Reporting Tracking (HART) Project
USF Health Data Warehouse Narrative

Why do we need a data warehouse?

> ➢ The successful implementation of AIMS Pay for Performance Plan and Mission-Based Management Budgeting requires quick, accurate and timely data.
> ➢ To increase the effectiveness of the Business Office accounting centralization requires accurate and integrated financial data.
> ➢ To comply with the Board of Trustees quarterly budget variance request requires the ability to forecast and project financial data.
> ➢ LCME Financial Questionnaire requires integrated financial data
> ➢ The list of data requirement is endless……

What is HART?

HART will be a data repository that will automatically extract and store the data from the various University and University Direct Support Organization's (i.e. USFPG, USF Research Foundation, USF Foundation, etc.) source systems. The data elements contained in the HART system will be available to USF Health administration, faculty and staff to report against in order to obtain meaningful, timely and accurate reports and analyses. The Business Object XI software that has been purchased is a very robust business intelligence system that will allow the end users to work not only with predefined reports but also the ability to generate complex ad hoc queries and dashboard informational displays.

The various source systems alluded to above have become quite numerous as the University has grown and developed. This has created a disconnect with the end user as they need to be proficient in a number of systems in order to generate meaningful reports. The data warehouse will allow the end user access to all the various data sources in a "one stop shop" format. The following is a sampling of source systems and their contents that will be extracted into the HART Project:

> ➢ USF Data Warehouse – FAST (University Financial Data) GEMS (University HR / Payroll Data) and OASIS (University Cash Collections)
> ➢ IDX – USF Physician's Group Billings, Collections and RVU's
> ➢ CODA – USF Physician's Group Financial Data
> ➢ CYBORG – USF Physician's Group HR / Payroll Data
> ➢ OASIS / MD BANNER – Student, Course and Faculty Data

- ➢ FADS – Faculty Personnel Data
- ➢ FAIR – Faculty Activity Reporting
- ➢ USF Research Foundation Banner – Financial Data as well as information about the sponsor.
- ➢ USF Foundation Banner – Financial Data as well as information about the donation
- ➢ IFIS – Space (i.e. Education, Research, Physical Plant) Data

Business Intelligence Dashboards

The dashboard concept will be an illustrative representation of key performance indicators (KPI's) that will be able to be customized based on the needs of the individual end user. This concept will allow the end user to obtain information critical to the operation of their department or the College as a whole in one place using visual indicators such as graphs, charts, speedometers / tachometers, etc. to view the data. KPI's and dashboard components are to be defined by the individuals utilizing the tool and could include items such as Remaining Spending Authority (USF), Net Gain/Loss (USFPG), RVU's, etc.

The access to this information will be restricted based on security set within Business Objects software and will be linked to the currently available Microsoft Active Directory utilized to validate HSCNET accounts. Various levels of functionality, based on licensing, are already established within the software and will allow end users to perform their job duties quickly and accurately.