Going Beyond the Data for Practice and Patient Management

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Transplant System Convergence (TSC) Project

• **Objective:**
  - To provide an enterprise-wide common transplant patient management system for Solid Organ and BMT

• **3- Site Team**
  - 11 Mayo Clinic FTEs

Phased Approach

• **Phase I: 2012 Complete**
  - Deploy EDIT 5.3 (solid organ) in ARZ
    - Legacy Data Migration
    - Interfaces for labs, demographics, medications, allergies, outbound notes
    - Training
  - Establish Joint Development Agreement with vendor (MSA) for upgrade of EDIT and addition of BMT Module

• **Phase II: 2013-2016**
  - Deploy EDITLife (solid organ + BMT) in ARZ, RST, FLA
    - Legacy Data Migration
    - Additional Interfaces
    - Training

Collaboration

• Joint Development Agreement with vendor, Management Sciences Associates (MSA)
• Frequent Interaction
• Defined (and refined processes)
• Iterative releases
Value of a Patient Management System

Examples

Example #1: Labs & Medications
- Current State Challenge:
  - Lab graphing limited by axis variations
  - Medication information contained on separate tab
- Solution:

Example #2: Recipient & Donor Matching
- Current State Challenge:
  - Tissue typing results contained in a pdf or external system for multiple potential donors
  - Additional relevant info (# pregnancies, age, etc) for donors and recipients
  - Manual entry introduces error opportunities
- Solution:
Example #3: GVHD Documentation

- Current State Challenge:
  - Documenting acute and chronic GVHD over time is complex and not done consistently across providers

- Solution:

Example #4: Calendaring Tool

- Current State Challenge:
  - Practice management of resources and constraints for a patient and cohort of patients through the BMT process is time-consuming and fluid
  - Excel spreadsheets, white boards, etc are prone to loss and error

- Solution:

Additional Functionality for Practice Support

- Real-time replicated data warehouse
- Built in reports (Kaplan Meier, Recipient Review, Administrative, etc)
- Ad-hoc reporting tool
- CIBMTR reporting