

Bone Marrow Transplant “Heme/BMT” Data Sheets

Obstacles/Opportunity

- The Bone Marrow Transplant (BMT) team collaborates with many multidisciplinary departments to provide care for its patients. However, view of patient data across provider groups was incomplete because of multiple documentation locations including paper records, online notes, online general medical sheets, and treatment administration records.
- Once transplant data was gathered, there was no place to enter and monitor the progression of a patient’s disease or treatment.
- The BMT program is federally mandated through the C.W Bill Young Transplant Program to report transplant outcomes data to public health authorities (PHA). During a 2006 audit from a PHA, a recommendation was made to the BMT program to establish a system to document shared data, such as Karnofsky scores and the incident of Graft vs. Host Disease (GVHD).
- Based on the existing knowledge that there was a gap in data sharing among provider groups, and coupled with audit recommendations, the BMT program set out to create a snapshot view of transplant patient data.

Goals

- To create and sustain a centralized record specific to BMT using BIDMC’s existing Online Medical Record (OMR).
- To capture transplant outcomes data that can be utilized by multidisciplinary programs throughout BIDMC in care of bone marrow transplant patients.

Team Members

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The Process

- Members of the BMT program established a work group
- Performed a needs assessment to identify specific data points for transplant patient care and data reporting

- Partnered with BIDMC Research and Development of Information Systems to create a “sheet” in the Online Medical Record specific to BMT patients, called Heme/BMT
- Provided training to BMT Attendings, Fellows, and Mid-level practitioners
- Made improvements based on clinician feedback
- Performed weekly audits of “Heme/BMT” sheets to ensure compliance and accuracy

Results

Before	vs.	After
		

Prior to creating Heme/BMT sheets (left) members of the BMT team would have to look through many folders and files of paperwork to locate all needed transplant outcomes data. Heme/BMT sheets (right) has allowed centralized access to outcomes data.

Lessons Learned

- By creating a snapshot view for providers who care for a high risk population in a fast paced environment, our program has improved patient care and safety.
- BMT providers across different patient care settings are able to access and update the data sheet in real time. This has enhanced accuracy, timeliness, and compliance for data reporting.
- Most BMT patients will present to the emergency room post transplant. After creating and using “Heme/BMT” sheets, our group discovered we could add an application to the sheet that would connect to the emergency department (ED) dashboard. This interface allows bone marrow transplant patients to be flagged for special precautions upon their arrival to the ED.

Next Steps

- Ongoing review and revamping of data fields based on updated patient care and reporting needs.



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