PEDIATRIC BLOOD AND MARROW TRANSPLANT PROGRAM

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DOCUMENT TITLE:

Data Management

DOCUMENT NOTES:

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Author: MOORE171	**Owner:** MOORE171
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PBMT-GEN-067
DATA MANAGEMENT

1 PURPOSE

1.1 The Pediatric Blood and Marrow Transplant (PBMT) Database is a Microsoft Windows-based desktop application used by members of the Duke Pediatric Blood and Marrow Transplant Program for data management of patients and donors. The data contained includes patient/donor demographics, transplant information, referring physicians, scheduling of upcoming admissions, reinfusions, procedures, and history/physicals, and incoming patient management. The application is a supplementary data management tool and does not function as the patient electronic medical record.

2 INTRODUCTION

2.1 PBMT Database

2.1.1 The application contains built-in report functionality, including weekly conference reports (patient scheduling and current outpatient review). An ad-hoc querying tool is available to create datasets of patients.

3 SCOPE AND RESPONSIBILITES

3.1 Access to the application is restricted to authorized personnel who are listed in the Active Directory group of the server on which the application resides. There is a 15 minute inactivity timeout enforced at the Operating System (OS) level. An audit trail is maintained for data that is created and modified, containing the actual data, user Identification (ID), and the date and time of modification.

4 DEFINITIONS/ACRONYMS

4.1 ID   Identification

4.2 OS   Operating System

4.3 PBMT   Pediatric Blood and Marrow Transplant
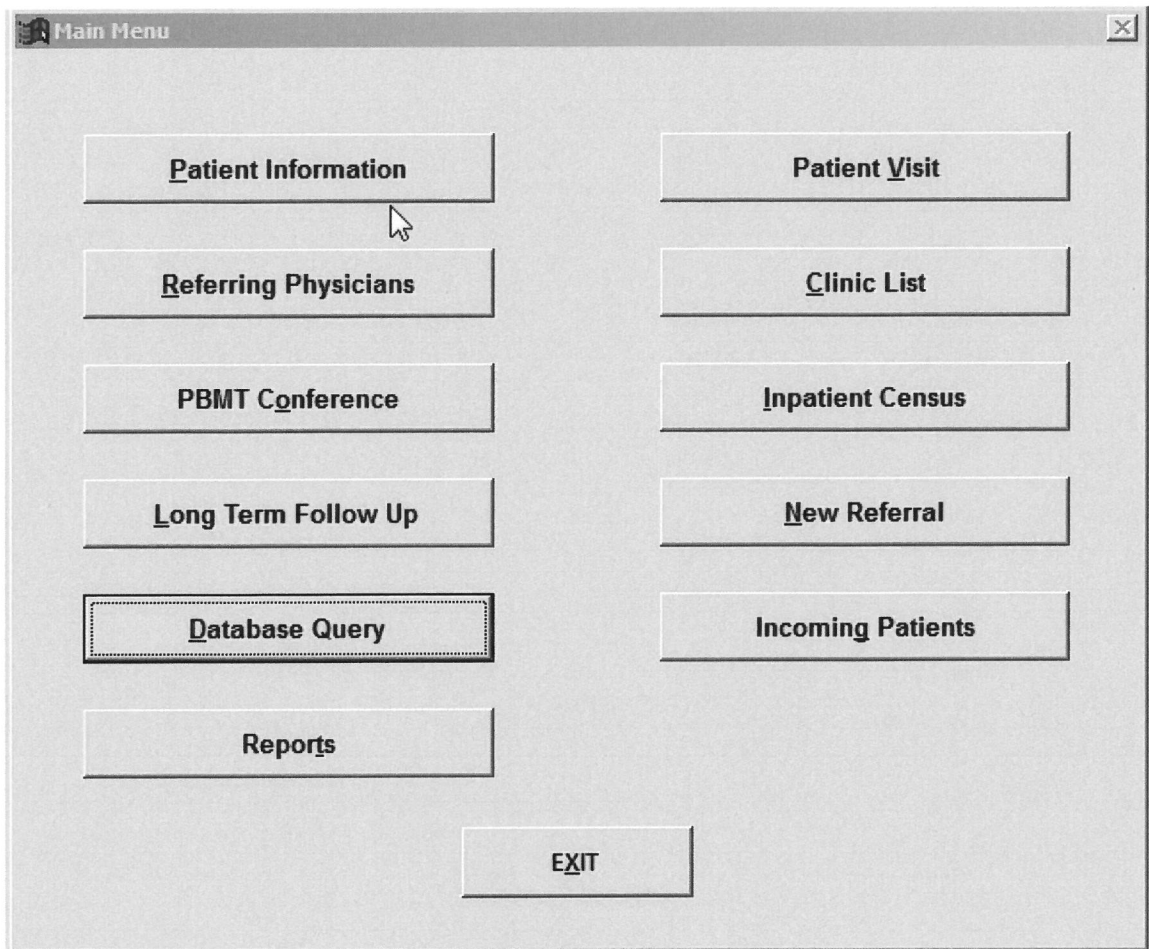
5 MATERIALS

5.1 NA

6 EQUIPMENT

6.1 Computer

7 SAFETY

7.1 N/A

8 PROCEDURE

All donor and patient identifiers are uniquely identified and automatically created by the application. Back-ups are performed on a nightly basis.

8.1   Screen Shots

Main Control Board

| Patient Data | | | | | _ □ ✕ |

Last Name |
First Name |
Middle Name |
MRN |

Date of Birth | Age
Date of Death | Cause | CMV (+/-) |
Sex | ABO/Rh |
Race |
Ethnicity | ☐ Adult BMT

Duke Physician | Kurtzberg, Joanne
Nurse Coordinator | Allison-Thacker, June
Nurse Practitioner | McLaughlin, Colleen
Social Worker |
Scheduling Coordinator |
Clinical Research Coordinator |
Home Health |

Referring Physicians

Transplant | 06/23/2009 | **Select Transplant Date:** | 06/23/09
Admit | / / | | Day +2738
Discharge | / /
Diagnosis |
Diagnosis Date | / /
Transplant Type |
Conditioning Regimen |
IRB # |
BMT Disease Status |
Relapse Date (Post) | / /
GvHD Prophylaxis |
Conditioning Type |

UPN | 0

NYBC Search ID |
NMDP ID |
IBMTR Unique ID |
RDR Label ID |

Print Intake Sheet
Donor | Parent/Guardian
Patient HLA | Insurance

Edit | Save | Cancel | Close

Patient Demographics/Transplant

Parent/Guardian for:						☒

Name

Relation Father   Custody Yes

Email

Comments

Address

City

State   Zip

Country

Phone (Home)

Phone (Work)

Phone (Cell 1)

Phone (Cell 2)

Name

Relation   Custody Yes

Email

Comments

Address

City

State   Zip

Country

Phone (Home)

Phone (Work)

Phone (Cell 1)

Phone (Cell 2)

	Sex	DOB	
Sibling 1		/ /	Mother's Maiden Name
Sibling 2		/ /	
Sibling 3		/ /	
Sibling 4		/ /	

Edit   Save   Cancel   Close

Parent/Guardian

Insurance for: ☒

1 Status **Approved** ▾   **Transplant Date:** _____   ☐ **Managed Care**

Company _____   Contact _____

Phone # _____   Pre-Cert Ph # _____   Fax # _____

Policy Holder _____   Policy # _____

Employer _____   Referral # _____

Comments _____ ▲▾   Case Mgr _____

   Phone # _____   Fax # _____

2 Status _____ ▾   ☐ **Managed Care**

Company _____   Contact _____

Phone # _____   Pre-Cert Ph # _____   Fax # (423)-755-2313

Policy Holder _____   Policy # _____

Employer _____   Referral # _____

Comments _____ ▲▾   Case Mgr _____

   Phone # _____   Fax # _____

3 Status _____ ▾   ☐ **Managed Care**

Company _____   Contact _____

Phone # _____   Pre-Cert Ph # _____   Fax # _____

Policy Holder _____   Policy # _____

Employer _____   Referral # _____

Comments _____ ▲▾   Case Mgr _____

   Phone # _____   Fax # _____

[Edit]   [Save]   [Cancel]   [Close]

Insurance

Donors for		_ |□| x

Patient

Date of Transplant 08/15/97

Available donors (BM, UCB, Granulocyte, etc.)		Donor(s) for 08/15/97 transplant
▲	Add	▲
▼	Remove	▼

Add Potential Donor

Source [▼]   Donor HLA

Last Name [   ]   DOB [/ /]

First Name [   ]   Age [   ]

MRN [   ]   Weight [   ]

Sex [▼]   ABO/Rh [▼]

Relation [▼]   CMV [▼]

Match [▼]

RDR Label ID (Donor) [   ]   RDR Label ID (Recipient) [   ]

Edit	Save	Cancel	Close

Transplant Donors

Referring Physician(s) for   _ □ ×

Patient

All Referring Physicians

Referring Physician(s) for

Add

Remove

Last Name	MD Type
First Name	
Street Address	
City	
State	Zip Code
Country	
Phone Number	Nurse Clinician
Fax Number	Clinician Phone
E-mail address	
Comments	

Edit   Save   Cancel   Close

Referring Physicians

Name	
MRN	
Date of Birth	
Date of Death	

Diagnosis	Sanfilippo Type A
Transplant Type	Allo - Unrelated Cord Blood - NST
Transplant	(3rd)

Search Visits < ▼ >

Visit Date	
Location	
MD	Kurtzberg, Joanne
Fellow/NP	

Interval History

Assessment & Plan

Height		cm	Temp		C
Weight		kg	BP (s)			(range)
BSA		m²	(d)		
Head Cir		cm	I/O's		/
Pulse			Stools		/
Resp			Emesis		/

Problem List   Medical History

GVHD/CSF   Current Meds

Allergies   Physical Exam

Performance Status   Therapy Admiinstered

Labs

Print   Close

Patient Visit Notes (Archive)

Last Name		Sex		Duke Physician	Kurtzberg, Joanne
First Name		DOB		Nurse Coordinator	Allison-Thacker, June
Middle Name		Age		Nurse Practitioner	McLaughlin, Colleen
MRN				Social Worker	

Diagnosis	Developmental Delay	Diagnosis Date	/ /
Transplant Type	Auto - Cord Blood		
Proposed Protocl		Regimen Type	

Possible Donors			
Insurance		Search Benefits	
Insurance Approval		CT's	
US/INTL		Payor		CT Status	

Street Address					
City					
State		Zip		Country	
Home Phone #		Other Phone #			

Disposition

Comments

Edit   Save   Cancel   Close

New Referrals

Incoming Patients

PBMT Weekly Conference

Patients

Section H & P

Date		
OR Procedures		ents
01/11/2017	Non-OR Procedures	
01/11/2017	Pheresis	
01/17/2017	H & P	
02/13/2017	Reinfusions	
/ /	Admissions	
	Busulfan Levels	

Donors

Add   Details   Remove

Print

Close

Weekly Conference Scheduling

Long Term Follow-Up

NP   # Days Notice - 0

Milestone Day 100   + 90

Patient	Transplant	Milestone	Days to Milestone	Diagnosis	Type	Duke MD	
						Parikh, Suhag	

Close

Long Term Follow-Up

Database Query Tool

Database Query Output

9   RELATED DOCUMENTS/FORMS

9.1   N/A

10   REFERENCES

10.1   N/A

11   REVISION HISTORY

Revision No.	Author	Description of Change(s)
03	Sally McCollum	Acronyms defined

Example of Database Application Revision:

COMPLETED

Patient Visit Screen (Modify Age at Visit label)

Authorization: Joanne Kurtzberg email on 12/21/16   Date: 12/30/16

Task/Purpose	Don't display Age at Visit if patient is deceased and note was created after date of death
Plan	
Date initiated	12/28/16
Date Testing Completed	12/30/16
Date Live	12/30/16
Version #	2.1.23
Files created, modified	Patientvisit.scx
Project Backup (initial and post) \\cancerlan6\vines003\PBMTDB Project Backup folder	pbmtdbview_prod 2016_12_13 (v2.1.22).zip (initial) pbmtdbview_prod 2016_12_30 (v2.1.23).zip (post)
Build/exe name	Pbmtdb4.exe
Test Data	12/08/16 backup

Data Entry Screens

General Requirements		
	Label lblAgeVisit – code a method, age_display(), to be called to update the label	**Done**
	Call age_display at: - Init - cboVisit valid - cmdUp button - cmdDown button	**Done**
	Test display of lblAgeVisit for deceased/alive patients - Init - cboVisit valid - cmdUp button - cmdDown button	**Done**
	Update launchdb.dbf (production version/exe)	**Done**
	Backup code	**Done**

Signature Manifest

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All dates and times are in Eastern Time.

PBMT-GEN-067 Data Management

Author

Name/Signature	Title	Date	Meaning/Reason
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Medical Director

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Quality

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Document Release

Name/Signature	Title	Date	Meaning/Reason
Betsy Jordan (BJ42)		01 Feb 2019, 10:03:22 AM	Approved