Adult Thoracic - Heart Transplant Recipient Registration Worksheet

Note: These worksheets are provided to function as a guide to what data will be required in the online TIEDI® application. Currently in the worksheet, a red asterisk is displayed by fields that are required, independent of what other data may be provided. Based on data provided through the online TIEDI® application, additional fields that are dependent on responses provided in these required fields may become required as well. However, since those fields are not required in every case, they are not marked with a red asterisk.

Recipient Information

Name: **DOB:**

SSN: **Birth sex:**

HIC: **Transplant Date and Time:**

State of Permanent Residence: *

Permanent Zip: *   [_____] - [_____]

Provider Information

Recipient Center:

Physician Name: *

Physician NPI#: *

Surgeon Name: *

Surgeon NPI#: *

Donor Information

UNOS Donor ID #:

Recovering OPO:

Donor Type:

Patient Status

Primary Diagnosis: *

  Specify:

Date: Last Seen, Retransplanted or Death *

Patient Status: *

- ○ LIVING
- ○ DEAD
- ○ RETRANSPLANTED

Primary Cause of Death:

  Specify:

Contributory Cause of Death:

  Specify:

Contributory Cause of Death:

  Specify:

Transplant Hospitalization:

Date of Admission to Tx Center: *

Date of Discharge from Tx Center:

Clinical Information : PRETRANSPLANT

Medical Condition at time of transplant: *

- ○ IN INTENSIVE CARE UNIT
- ○ HOSPITALIZED NOT IN ICU
- ○ NOT HOSPITALIZED

Patient on Life Support: *   ○ YES ○ NO

☐ Extra Corporeal Membrane Oxygenation
☐ Intra Aortic Balloon Pump
☐ Prostaglandins
☐ Intravenous Inotropes
☐ Inhaled NO
☐ Ventilator
☐ Other Mechanism

Specify: _____

Patient on Ventricular Assist Device ✳

○ NONE

○ LVAD

○ RVAD

○ TAH

○ LVAD+RVAD

Life Support: VAD Brand1   _____

Specify: _____

Life Support: VAD Brand2   _____

Specify: _____

Functional Status: ✳   _____

Working for income: ✳   ○ YES ○ NO ○ UNK

Source of Payment:

Primary: ✳   _____

Specify: _____

Height: ✳   _____ ft. _____ in.   _____ cm   ST= ____

Weight: ✳   _____ lbs   _____ kg   ST= ____

BMI: _____ kg/m^2

Previous Transplants:

Previous Transplant Organ	Previous Transplant Date	Previous Transplant Graft Fail Date

The three most recent transplants are listed here. Please contact the UNet Help Desk to confirm more than three previous transplants by calling 800-978-4334 or by emailing unethelpdesk@unos.org.

Viral Detection:

HIV Serostatus: ✳

○ **Positive**

○ **Negative**

○ **Not Done**

○ **UNK/Cannot Disclose**

CMV Status ✳

○ **Positive**

○ **Negative**

○ **Not Done**

○ **UNK/Cannot Disclose**

HBV Surface Antibody Total ✳

○ **Positive**

○ **Negative**

○ **Not Done**

○ **UNK/Cannot Disclose**

HBV Core Antibody: ✳

○ **Positive**

○ **Negative**

○ **Not Done**

○ **UNK/Cannot Disclose**

HBV Surface Antigen: ✳

○ **Positive**

○ **Negative**

○ **Not Done**

○ **UNK/Cannot Disclose**

HCV Serostatus: *
- ○ Positive
- ○ Negative
- ○ Not Done
- ○ UNK/Cannot Disclose

EBV Serostatus: *
- ○ Positive
- ○ Negative
- ○ Not Done
- ○ UNK/Cannot Disclose

Vaccination Status:

Did the recipient receive Hepatitis B vaccines prior to transplant?: *   ○ YES ○ NO ○ UNK

Reason not vaccinated:
- ○ Immunity
- ○ Medical precaution
- ○ Time constraints
- ○ Patient objection
- ○ Product out of stock
- ○ Other, specify

Specify: [_____]

NAT Results:

HIV NAT: *
- ○ Positive
- ○ Negative
- ○ Not Done
- ○ UNK/Cannot Disclose

HBV NAT: *
- ○ Positive
- ○ Negative
- ○ Not Done
- ○ UNK/Cannot Disclose

HCV NAT: *
- ○ Positive
- ○ Negative
- ○ Not Done
- ○ UNK/Cannot Disclose

Most Recent Hemodynamics:			**Inotropes/Vasodilators:**
PA (sys)mm/Hg: *	[_____]	ST= [__]	○ YES ○ NO
PA(dia) mm/Hg: *	[_____]	ST= [__]	○ YES ○ NO
PA(mean) mm/Hg: *	[_____]	ST= [__]	○ YES ○ NO
PCWP mm/Hg: *	[_____]	ST= [__]	○ YES ○ NO
CO L/min: *	[_____]	ST= [__]	○ YES ○ NO

Most Recent Serum Creatinine: *	[_____] mg/dl	ST= [__]	
Most Recent Total Bilirubin: *	[_____] mg/dl	ST= [__]	
Chronic Steroid Use: *	○ YES ○ NO ○ UNK		

Events occurring between listing and transplant:

Transfusions: *   ○ YES ○ NO ○ UNK

Infection Requiring IV Therapy within 2 wks prior to Tx: *   ○ YES ○ NO ○ UNK

Dialysis: *   ○ YES ○ NO ○ UNK

Prior Cardiac Surgery (non-transplant): ✱   ○YES ○NO ○UNK

    If yes, check all that apply: ☐CABG

                                         ☐Valve Replacement/Repair

                                         ☐Congenital

                                         ☐Left Ventricular Remodeling

                                         ☐Other, specify

        Specify: [_____]

Prior Lung Surgery (non-transplant): ✱   ○YES ○NO ○UNK

    If yes, check all that apply: ☐Pneumoreduction

                                         ☐Pneumothorax Surgery-Nodule

                                         ☐Pneumothorax Decortication

                                         ☐Lobectomy

                                         ☐Pneumonectomy

                                         ☐Left Thoracotomy

                                         ☐Right Thoracotomy

                                         ☐Other, specify

        Specify: [_____]

Episode of Ventilatory Support: ✱   ○YES ○NO ○UNK

    If yes, indicate most recent timeframe: ○At time of transplant

                                         ○Within 3 months of transplant

                                         ○>3 months prior to transplant

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Clinical Information : TRANSPLANT PROCEDURE

Multiple Organ Recipient

Were extra vessels used in the transplant procedure:

Procedure Type: ○Heart

                                    ○Heart Lung

Heart Procedure: ✱   ○Orthotopic Bicaval

                                    ○Orthotopic Traditional

                                    ○Orthotopic Total (Bicaval, PV)

                                    ○Heterotopic

Total Organ Preservation Time From Cross Clamp to In Situ Reperfusion (include warm and cold time):

Heart, Heart-Lung: [_____] min   **ST=** [___]

Organ Check-in Information:

Heart Check-In Date and Time: **Date:** [_____]   **Time:** [_____]   Military time   **Time Zone:** [_____]   **ST=** [___]

Clinical Information : POST TRANSPLANT

Graft Status: ✱   ○Functioning ○Failed

If death is indicated for the recipient, and the death was a result of some other factor unrelated to graft failure, select Functioning.

Date of Graft Failure: [_____]

    Primary Cause of Graft Failure: ○Primary Non-Function

                                         ○Acute Rejection

                                       ○Chronic Rejection/Atherosclerosis

                                       ○Other, Specify

        Specify: [_____]

Primary Graft Dysfunction at 24 hours:

Is Primary Graft Dysfunction (PGD) present: ✱   ○YES ○NO ○UNK

PGD - Left Ventricular Dysfunction (PGD-LV):✱	○YES ○NO ○UNK
PGD - Right Ventricular Dysfunction (PGD-RV):✱	○YES ○NO ○UNK
Left Ventricular Ejection Fraction (LVEF):✱	○**Severely Depressed LV Function (EF <30%)**
	○**Moderately Depressed LV Function (EF >=30% - <40%)**
	○**Mildly Depressed LV Function (EF >=40% - <50%)**
	○**Normal LV Function (EF >=50%)**
	○**Unknown**

Hemodynamics at 24 hours:

Right Atrial (RA) Pressure: ✱	[_____] mm/Hg	ST= [__]
Pulmonary Capillary Wedge Pressure (PCWP): ✱	[_____] mm/Hg	ST= [__]
Left Atrial (LA) Pressure: ✱	[_____] mm/Hg	ST= [__]
Pulmonary Artery (PA) Systolic Pressure: ✱	[_____] mm/Hg	ST= [__]
Pulmonary Artery (PA) Diastolic Pressure: ✱	[_____] mm/Hg	ST= [__]
Cardiac Output (CO): ✱	[_____] L/min	ST= [__]

Patient on Life Support at 24 hours: ✱	○YES ○NO
	☐ **Extra Corporeal Membrane Oxygenation**
	☐ **Intra Aortic Balloon Pump**
	☐ **Inhaled NO**
Patient on Ventricular Assist Device at 24 hours: ✱	○**NONE**
	○**LVAD**
	○**RVAD**
	○**TAH**
	○**LVAD+RVAD**
VAD Brand1: ✱	[_____]
Specify: ✱	[_____]
VAD Brand2: ✱	[_____]
Specify: ✱	[_____]
Epoprostenol at 24 hours following transplant: ✱	○YES ○NO ○UNK

Inotrope Support at 24 hours:

Epinephrine: ✱	[_____]	mcg/kg/min
Milrinone: ✱	[_____]	mcg/kg/min
Dobutamine: ✱	[_____]	mcg/kg/min
Dopamine: ✱	[_____]	mcg/kg/min

Vasopressors at 24 hours:

Levo (Norepinephrine - Levophed): ✱	○YES ○NO ○UNK	
Unit of measure: ✱	○**mcg/min**	
	○**mcg/kg/min**	
Dosage: ✱	[_____]	mcg/min
Dosage: ✱	[_____]	mcg/kg/min
Neo (Phenylephrine – Neosynephrine): ✱	○YES ○NO ○UNK	
Unit of measure: ✱	○**mcg/min**	
	○**mcg/kg/min**	
Dosage: ✱	[_____]	mcg/min
Dosage ✱	[_____]	mcg/kg/min
Vaso (Vasopressin – Pitressin) ✱	[_____]	unit/min

Primary Graft Dysfunction at 72 hours

Is Primary Graft Dysfunction (PGD) present: ✱	○YES ○NO ○UNK

PGD - Left Ventricular Dysfunction (PGD-LV): ✶ ○YES ○NO ○UNK

PGD - Right Ventricular Dysfunction (PGD-LV): ✶ ○YES ○NO ○UNK

Left Ventricular Ejection Fraction (LVEF): ✶

○ Severely Depressed LV Function (EF <30%)

○ Moderately Depressed LV Function (EF >=30% - <40%)

○ Mildly Depressed LV Function (EF >=40% - <50%)

○ Normal LV Function (EF >=50%)

○ Unknown

Hemodynamics at 72 hours:

Right Atrial (RA) Pressure: ✶	[_____] mm/Hg	**ST=** [__]
Pulmonary Capillary Wedge Pressure (PCWP): ✶	[_____] mm/Hg	**ST=** [__]
Left Atrial (LA) Pressure: ✶	[_____] mm/Hg	**ST=** [__]
Pulmonary Artery (PA) Systolic Pressure: ✶	[_____] mm/Hg	**ST=** [__]
Pulmonary Artery (PA) Diastolic Pressure: ✶	[_____] mm/Hg	**ST=** [__]
Cardiac Output (CO): ✶	[_____] L/min	**ST=** [__]

Patient on Life Support at 72 hours? ✶ ○YES ○NO

☐ Extra Corporeal Membrane Oxygenation

☐ Intra Aortic Balloon Pump

☐ Inhaled NO

Patient on Ventricular Assist Device at 72 hours: ✶

○ NONE

○ LVAD

○ RVAD

○ TAH

○ LVAD+RVAD

VAD Brand1: ✶	[_____]
Specify: ✶	[_____]
VAD Brand2: ✶	[_____]
Specify: ✶	[_____]

Epoprostenol at 72 hours following transplant: ✶ ○YES ○NO ○UNK

Inotrope Support at 72 hours:

Epinephrine: ✶	[_____]	mcg/kg/min
Milrinone: ✶	[_____]	mcg/kg/min
Dobutamine: ✶	[_____]	mcg/kg/min
Dopamine: ✶	[_____]	mcg/kg/min

Vasopressors at 72 hours:

Levo (Norepinephrine - Levophed): ✶ ○YES ○NO ○UNK

Unit of measure: ✶

○ mcg/min

○ mcg/kg/min

Dosage: ✶	[_____]	mcg/min
Dosage: ✶	[_____]	mcg/kg/min

Neo (Phenylephrine – Neosynephrine): ✶ ○YES ○NO ○UNK

Unit of measure: ✶

○ mcg/min

○ mcg/kg/min

Dosage: ✶	[_____]	mcg/min
Dosage: ✶	[_____]	mcg/kg/min
Vaso (Vasopressin – Pitressin) ✶	[_____]	unit/min

Events Prior to Discharge:

Stroke: ✶ ○YES ○NO ○UNK

Dialysis: ✶ ○YES ○NO ○UNK

Permanent Pacemaker: *	○ YES ○ NO ○ UNK

Did patient have any acute rejection episodes between transplant and discharge: *	○ Yes, at least one episode treated with anti-rejection agent
	○ Yes, none treated with additional anti-rejection agent
	○ No

Immunosuppressive Information

Are any medications given currently for maintenance or anti-rejection: *	○ YES ○ NO

Immunosuppressive Medications

View Immunosuppressive Medications

Definitions Of Immunosuppressive Medications

For each of the immunosuppressive medications listed, select **Ind** (Induction), **Maint** (Maintenance) or **AR** (Anti-rejection) to indicate all medications that were prescribed for the recipient during the initial transplant hospitalization period, and for what reason. If a medication was not given, leave the associated box(es) blank.

Induction (Ind) immunosuppression includes all medications given for a <u>short finite period</u> in the perioperative period for the purpose of preventing acute rejection. Though the drugs may be continued after discharge for the first 30 days after transplant, it <u>will not</u> be used long-term for immunosuppressive maintenance. Induction agents are usually polyclonal, monoclonal, or IL-2 receptor antibodies (example: methylprednisolone, Campath, Thymoglobulin, or Simulect). Some of these drugs might be used for another finite period for rejection therapy and would be recorded as anti-rejection therapy if used for this reason. For each induction medication indicated, write the <u>total number of days the drug was actually administered</u> in the space provided. For example, if Simulect was given in 2 doses a week apart then the total number of days would be 2, even if the second dose was given after the patient was discharged.

Maintenance (Maint) includes all immunosuppressive medications given before, during or after transplant with the intention to maintain them <u>long-term</u> (example: prednisone, cyclosporine, tacrolimus, mycophenolate mofetil, azathioprine, or Rapamune). This does not include any immunosuppressive medications given to treat rejection episodes, or for induction.

Anti-rejection (AR) immunosuppression includes all immunosuppressive medications given for the purpose of treating an acute rejection episode during the initial post-transplant period or during a specific follow-up period, usually up to 30 days after the diagnosis of acute rejection (example: methylprednisolone, or Thymoglobulin). When switching maintenance drugs (example: from tacrolimus to cyclosporine; or from mycophenolate mofetil to azathioprine) because of rejection, the drugs <u>should not</u> be listed under AR immunosuppression, but <u>should</u> be listed under maintenance immunosuppression.

If an immunosuppressive medication other than those listed is being administered (e.g., new monoclonal antibodies), select Ind, Maint, or AR next to Other Immunosuppressive Medication field, and enter the full name of the medication in the space provided. **<u>Do not list non-immunosuppressive medications.</u>**

Drug used for induction, acute rejection, or maintenance

	Ind.	Days	ST	Maint	AR
Steroids (prednisone, methylprednisolone, Solumedrol, Medrol)	☐	☐	☐	☐	☐

Drugs used for induction or acute rejection

	Ind.	Days	ST	Maint	AR
Atgam	☐	☐	☐	☐	☐
Campath (alemtuzumab)	☐	☐	☐	☐	☐
Cytoxan (cyclophosphamide)	☐	☐	☐	☐	☐
Methotrexate (Folex PFS, Mexate-AQ, Rheumatrex)	☐	☐	☐	☐	☐
Rituxan (rituximab)	☐	☐	☐	☐	☐
Simulect (basiliximab)	☐	☐	☐	☐	☐
Thymoglobulin	☐	☐	☐	☐	☐

Drugs primarily used for maintenance

	Ind.	Days	ST	Maint	AR
Cyclosporine, select from the following:					
- Gengraf	☐	☐	☐	☐	☐
- Neoral	☐	☐	☐	☐	☐
- Sandimmune	☐	☐	☐	☐	☐
- Generic cyclosporine	☐	☐	☐	☐	☐
Imuran (azathioprine, AZA)	☐	☐	☐	☐	☐
Leflunomide (LFL)	☐	☐	☐	☐	☐
Mycophenolic acid, select from the following:					
- CellCept (MMF)	☐	☐	☐	☐	☐

- Generic MMF (generic CellCept)	☐	[ ]	☐	☐	☐
- Myfortic (mycophenolic acid)	☐	[ ]	☐	☐	☐
- Generic Myfortic (generic mycophenolic acid)	☐	[ ]	☐	☐	☐

mTOR inhibitors, select from the following:

- Rapamune (sirolimus)	☐	[ ]	☐	☐	☐
- Generic sirolimus	☐	[ ]	☐	☐	☐
- Zortress (everolimus)	☐	[ ]	☐	☐	☐
Nulojix (belatacept)	☐	[ ]	☐	☐	☐

Tacrolimus, select from the following:

- Astagraf XL (extended release tacrolimus)	☐	[ ]	☐	☐	☐
- Envarsus XR (tacrolimus XR)	☐	[ ]	☐	☐	☐
- Prograf (tacrolimus)	☐	[ ]	☐	☐	☐
- Generic tacrolimus (generic Prograf)	☐	[ ]	☐	☐	☐

Other drugs

		Ind.	Days	ST	Maint	AR
Other immunosuppressive medication, specify:	[ ]	☐	[ ]	☐	☐	☐
Other immunosuppressive medication, specify:	[ ]	☐	[ ]	☐	☐	☐

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