



## Hemovigilance Module Adverse Reaction Transfusion Related Acute Lung Injury

\*Required for saving

\*Facility ID#: \_\_\_\_\_ NHSN Adverse Reaction #: \_\_\_\_\_

### Patient Information

\*Patient ID: \_\_\_\_\_ \*Gender:  M  F  Other \*Date of Birth: \_\_\_/\_\_\_/\_\_\_  
 Social Security #: \_\_\_\_\_ Secondary ID: \_\_\_\_\_ Medicare #: \_\_\_\_\_  
 Last Name: \_\_\_\_\_ First Name: \_\_\_\_\_ Middle Name: \_\_\_\_\_  
 Ethnicity  Hispanic or Latino  Not Hispanic or Not Latino  
 Race  American Indian/Alaska Native  Asian  Black or African American  
 Native Hawaiian/Other Pacific Islander  White  
 \*Blood Group:  A-  A+  B-  B+  AB-  AB+  O-  O+  Blood type not done  
 Transitional ABO / Transitional Rh  
 Transitional ABO / Rh +  Transitional ABO / Rh -  Rh  
 Group A/Transitional Rh  Group B/Transitional Rh  Group O/Transitional Rh  Group AB/Transitional Rh

### Patient Medical History

List the patient's admitting diagnosis. (Use ICD-10 Diagnostic codes/descriptions)

Code: \_\_\_\_\_ Description: \_\_\_\_\_  
 Code: \_\_\_\_\_ Description: \_\_\_\_\_  
 Code: \_\_\_\_\_ Description: \_\_\_\_\_

List the patient's underlying indication for transfusion. (Use ICD-10 Diagnostic codes/descriptions)

Code: \_\_\_\_\_ Description: \_\_\_\_\_  
 Code: \_\_\_\_\_ Description: \_\_\_\_\_  
 Code: \_\_\_\_\_ Description: \_\_\_\_\_

List the patient's comorbid conditions at the time of the transfusion related to the adverse reaction. (Use ICD-10 Diagnostic codes/descriptions)

UNKNOWN  
 NONE

Code: \_\_\_\_\_ Description: \_\_\_\_\_  
 Code: \_\_\_\_\_ Description: \_\_\_\_\_  
 Code: \_\_\_\_\_ Description: \_\_\_\_\_

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List the patient's relevant medical procedure including past procedures and procedures to be performed during the current hospital or outpatient stay. (Use ICD-10 Procedure codes/descriptions)  UNKNOWN  NONE

Code: \_\_\_\_\_ Description: \_\_\_\_\_  
Code: \_\_\_\_\_ Description: \_\_\_\_\_  
Code: \_\_\_\_\_ Description: \_\_\_\_\_

Additional Information \_\_\_\_\_

**Transfusion History**

Has the patient received a previous transfusion?  YES  NO  UNKNOWN  
 Blood Product:  WB  RBC  Platelet  Plasma  Cryoprecipitate  Granulocyte  
 Date of Transfusion: \_\_\_/\_\_\_/\_\_\_  UNKNOWN  
 Was the patient's adverse reaction transfusion-related?  YES  NO  
 If yes, provide information about the transfusion adverse reaction.  
 Type of transfusion adverse reaction:  Allergic  AHTR  DHTR  DSTR  FNHTR  
 HTR  TTI  PTP  TACO  TAD  TA-GVHD  TRALI  UNKNOWN  
 OTHER Specify \_\_\_\_\_

**Reaction Details**

\*Date reaction occurred: \_\_\_/\_\_\_/\_\_\_ \*Time reaction occurred: \_\_\_:\_\_\_  Time unknown  
 \*Facility location where patient was transfused: \_\_\_\_\_  
 Is this reaction associated with an incident?  Yes  No If Yes, Incident #: \_\_\_\_\_

**Investigation Results**

\* Transfusion related acute lung injury (TRALI)

	Not Done	Negative	Test result positive		
			Cognate or cross reacting antigen present	No cognate or cross reacting antigen present	Not tested for cognate antigen
Donor or unit HLA specificity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Donor or unit HNA specificity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Recipient HLA specificity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Recipient HNA specificity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**\*Case Definition (Check all that apply)**

- NO evidence of acute lung injury (ALI) prior to transfusion.
- ALI onset during or within 6 hours of cessation of transfusion
- Hypoxemia – defined as PaO2/FiO2 less than or equal to 300 mm Hg
- Hypoxemia – defined as Oxygen saturation less than 90% on room air
- Hypoxemia – defined as Other clinical evidence
- Radiographic evidence of bilateral infiltrates
- No evidence of left atrial hypertension (i.e., circulatory overload)

Other signs and symptoms: (check all that apply)

Generalized:  Chills/rigors  Fever  Nausea/vomiting  
 Cardiovascular:  Blood pressure decrease  Shock  
 Cutaneous:  Edema  Flushing  Jaundice  Itching  Other rash

	<b>Hives</b>		
Hemolysis/Hemorrhage:	<input type="checkbox"/> DIC	<input type="checkbox"/> Hemoglobinemia	<input type="checkbox"/> Positive antibody screen
Pain:	<input type="checkbox"/> Abdominal pain	<input type="checkbox"/> Back pain	<input type="checkbox"/> Flank pain <input type="checkbox"/> Infusion site pain
Renal:	<input type="checkbox"/> Hematuria	<input type="checkbox"/> Hemoglobinuria	<input type="checkbox"/> Oliguria
Respiratory:	<input type="checkbox"/> Bronchospasm	<input type="checkbox"/> Cough	<input type="checkbox"/> Shortness of breath <input type="checkbox"/> Other: (specify) _____

**\*Severity**

Did the patient receive or experience any of the following?

- |   |   |
|---|---|
| <input type="checkbox"/> No treatment required                                | <input type="checkbox"/> Symptomatic treatment only                           |
| <input type="checkbox"/> Hospitalization, including prolonged hospitalization | <input type="checkbox"/> Life-threatening reaction                            |
| <input type="checkbox"/> Disability and/or incapacitation                     | <input type="checkbox"/> Congenital anomaly or birth defect(s) of the fetus   |
| <input type="checkbox"/> Other medically important conditions                 | <input type="checkbox"/> Death <input type="checkbox"/> Unknown or not stated |

**\*Imputability**

Which best describes the relationship between the transfusion and the reaction?

- There are no alternative risk factors for ALI present.
- There is evidence of other causes for acute lung injury.
- Evidence is clearly in favor of a cause other than the transfusion, but transfusion cannot be excluded.
- There is conclusive evidence beyond reasonable doubt of a cause other than the transfusion
- The relationship between the adverse reaction and the transfusion is unknown or not stated.

Did the transfusion occur at your facility?  YES  NO

**Module-generated Designations**

*NOTE: Designations for case definition, severity, and imputability will be automatically assigned in the NHSN application based on responses in the corresponding investigation results section above.*

**\*Do you agree with the case definition designation?**  YES  NO

^Please indicate your designation \_\_\_\_\_

**\*Do you agree with the severity designation?**  YES  NO

^Please indicate your designation \_\_\_\_\_

**\*Do you agree with the imputability designation?**  YES  NO

^Please indicate your designation \_\_\_\_\_

**Patient Treatment**

Did the patient receive treatment for the transfusion reaction?  YES  NO  UNKNOWN

If yes, select treatment(s):

- Medication (*Select the type of medication*)
  - Antipyretics  Antihistamines  Inotropes/Vasopressors  Bronchodilator  Diuretics
  - Intravenous Immunoglobulin  Intravenous steroids  Corticosteroids  Antibiotics
  - Antithymocyte globulin  Cyclosporin  Other
- Volume resuscitation (Intravenous colloids or crystalloids)
- Respiratory support (*Select the type of support*)
  - Mechanical ventilation  Noninvasive ventilation  Oxygen

- Renal replacement therapy (*Select the type of therapy*)
- Hemodialysis     Peritoneal     Continuous Veno-Venous Hemofiltration
- Phlebotomy
- Other Specify: \_\_\_\_\_

**Outcome**

- \*Outcome:**     Death     Major or long-term sequelae     Minor or no sequelae     Not determined
- Date of Death:    \_\_\_\_/\_\_\_\_/\_\_\_\_
- ^If recipient died, relationship of transfusion to death:
- Definite     Probable     Possible     Doubtful     Ruled Out     Not determined
- Cause of death: \_\_\_\_\_
- Was an autopsy performed?     Yes     No

**Component Details**

**\*Was a particular unit implicated in (i.e., responsible for) the adverse reaction?**     Yes     No     N/A

Transfusion Start and End Date/Time	*Component code (check system used)	Amount transfused at reaction onset	^Unit number (Required for Infection and TRALI)	*Unit expiration Date/Time	*Blood group of unit	Implicated Unit?
<b>^IMPLICATED UNIT</b>						
____/____/____ ____:____	<input type="checkbox"/> ISBT-128 <input type="checkbox"/> Codabar	<input type="checkbox"/> Entire unit <input type="checkbox"/> Partial unit mL	_____ _____ _____	____/____/____ :_____	<input type="checkbox"/> A- <input type="checkbox"/> A+ <input type="checkbox"/> B- <input type="checkbox"/> B+ <input type="checkbox"/> AB- <input type="checkbox"/> AB+ <input type="checkbox"/> O- <input type="checkbox"/> O+ <input type="checkbox"/> N/A	Y
____/____/____ ____:____	<input type="checkbox"/> ISBT-128 <input type="checkbox"/> Codabar	<input type="checkbox"/> Entire unit <input type="checkbox"/> Partial unit mL	_____ _____ _____	____/____/____ :_____	<input type="checkbox"/> A- <input type="checkbox"/> A+ <input type="checkbox"/> B- <input type="checkbox"/> B+ <input type="checkbox"/> AB- <input type="checkbox"/> AB+ <input type="checkbox"/> O- <input type="checkbox"/> O+ <input type="checkbox"/> N/A	N

**Custom Fields**

Label	Label
_____	_____
_____	_____

**Comments**

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