

Hemovigilance Module Adverse Reaction Infection

***Required for saving**

*Facility ID#: _____ NHSN Adverse Reaction #: _____	
Patient Information	
*Patient ID: _____	*Date of Birth: ____/____/____
*Sex: ☐ M ☐ F	
Social Security #: _____	Secondary ID: _____ Medicare #: _____
Last Name: _____ First Name: _____ Middle Name: _____	
Ethnicity (Specify): ☐ Hispanic or Latino ☐ Not Hispanic or Latino ☐ Unknown ☐ Declined to respond ☐ American Indian or Alaska Native ☐ Asian ☐ Black or African American ☐ Middle Eastern or North African ☐ Native Hawaiian or Pacific Islander ☐ White ☐ Unknown ☐ Declined to respond	
Preferred Language (Specify from the list provided): _____ Interpreter Needed: ☐ Yes ☐ No ☐ Declined to Respond ☐ Unknown	
*Blood Group: ☐ A- ☐ A+ ☐ B- ☐ B+ ☐ AB- ☐ AB+ ☐ O- ☐ O+ ☐ Blood type not done ☐ Transitional ABO / Rh + ☐ Transitional ABO / Rh - ☐ Transitional ABO / Transitional 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: _____

Assurance of Confidentiality: The voluntarily provided information obtained in this surveillance system that would permit identification of any individual or institution is collected with a guarantee that it will be held in strict confidence, will be used only for the purposes stated, and will not otherwise be disclosed or released without the consent of the individual, or the institution in accordance with Sections 304, 306 and 308(d) of the Public Health Service Act (42 USC 242b, 242k, and 242m(d)). CDC 57.313 Rev. 3, v9.2

Public reporting burden of this collection of information is estimated to average 20 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering, and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to CDC, Reports Clearance Officer, 1600 Clifton Rd., MS H21-8, Atlanta, GA 30333, ATTN: PRA (0920-0666).

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

*☐ Infection

*Case Definition

Was a test to detect a specific pathogen performed on the recipient post-transfusion? ☐ Yes ☐ No

If Yes, positive or reactive results? ☐ Yes ☐ No

Org1 _____ Org2 _____ Org3 _____

Was a test to detect a specific pathogen performed on the donor post-donation? ☐ Yes ☐ No

If Yes, positive or reactive results? ☐ Yes ☐ No

Org1 _____ Org2 _____ Org3 _____

Was a test to detect a specific pathogen performed on the unit post-transfusion? (i.e., culture, serology, NAT) ☐ Yes ☐ No

If Yes, positive or reactive results? ☐ Yes ☐ No

Org1 _____ Org2 _____ Org3 _____

Check all that apply:

☐ Temporally associated unexplained clinical illness consistent with infection

Other signs and symptoms: (check all that apply)

Generalized:

☐ Chills/rigors

☐ Fever

☐ Nausea/vomiting

Cardiovascular:	☐ Blood pressure decrease	☐ Shock
Cutaneous:	☐ Edema	☐ Flushing
	☐ Other rash	☐ Pruritus (itching)
Hemolysis/Hemorrhage:	☐ Disseminated intravascular coagulation	☐ Hemoglobinemia
	☐ Positive antibody screen	
Pain:	☐ Abdominal pain	☐ Back pain
	☐ Flank pain	☐ Infusion site pain
Renal:	☐ Hematuria	☐ Hemoglobinuria
	☐ Oliguria	
Respiratory:	☐ Bilateral infiltrates on chest x-ray	☐ Bronchospasm
	☐ Hypoxemia	☐ Shortness of breath
☐ Other: (specify) _____		

***Severity**

Did the patient receive or experience any of the following?

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

***Imputability**

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

- ☐ No other potential exposures to the pathogen could be identified in the recipient.
- ☐ Evidence is clearly in favor of a cause other than 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.

Check all that apply:

- ☐ Evidence of the pathogen in the transfused component.
- ☐ Evidence of the pathogen in the donor at the time of donation.
- ☐ Evidence of the pathogen in an additional component from the same donation.
- ☐ Evidence of the pathogen in an additional recipient of a component from the same donation.
- ☐ Evidence that the identified pathogen strains are related by molecular or extended phenotypic comparison testing with statistical confidence ($p < 0.05$).
- ☐ Evidence that the transfused component was negative for this pathogen at the time of transfusion
- ☐ Evidence that the donor was negative for this pathogen at the time of donation.
- ☐ Evidence that additional components from the same donation were negative for this pathogen.
- ☐ Evidence that the recipient was not infected with the pathogen prior to transfusion.
- ☐ Laboratory evidence that the recipient was infected with this pathogen prior to transfusion.

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?
____/____/____ ____:____ ____/____/____ ____:____	☐ ISBT-128 ☐ Codabar _____	☐ Entire unit ☐ Partial unit _____ mL	____-____ ____-____ ____-____	____/____/____ ____:____	☐ A- ☐ A+ ☐ B- ☐ B+ ☐ AB- ☐ AB+ ☐ O- ☐ O+ ☐ N/A	Y
____/____/____ ____:____	☐ ISBT-128	☐ Entire unit	____-____ ____-____	____/____/____ ____:____	☐ A- ☐ A+ ☐ B-	N

____:____ ____/____/____ ____:____	☐ Codabar _____	☐ Partial unit _____ mL	____ _____	_____ _____	☐ B+ ☐ O-	☐ AB- ☐ O+	☐ AB+ ☐ N/A	
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