

Hemovigilance Module Adverse Reaction Delayed Serologic Transfusion Reaction

*Required for saving

*Facility ID#: _____ NHSN Adverse Reaction #: _____	
Patient Information	
*Patient ID: _____	*Gender: <input type="checkbox"/> M <input type="checkbox"/> F <input type="checkbox"/> Other *Date of Birth: ___/___/___
Social Security #: _____	Secondary ID: _____ Medicare #: _____
Last Name: _____	First Name: _____ Middle Name: _____
Ethnicity <input type="checkbox"/> Hispanic or Latino <input type="checkbox"/> Not Hispanic or Not Latino	
Race <input type="checkbox"/> American Indian/Alaska Native <input type="checkbox"/> Asian <input type="checkbox"/> Black or African American	
<input type="checkbox"/> Native Hawaiian/Other Pacific Islander <input type="checkbox"/> White	
*Blood Group: <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"/> Blood type not done	

Patient Medical History (Use worksheet on page 4 for additional codes and descriptions.)	
(part 1) List the patient's admitting diagnosis. <i>(Use ICD-10 Diagnostic codes/descriptions)</i>	
Code: _____	Description: _____
Code: _____	Description: _____
Code: _____	Description: _____
(part 2) List the patient's underlying indication for transfusion. <i>(Use ICD-10 Diagnostic codes/descriptions)</i>	
Code: _____	Description: _____
Code: _____	Description: _____
Code: _____	Description: _____
(part 3) List the patient's comorbid conditions at the time of the transfusion related to the adverse reaction. <i>(Use ICD-10 Diagnostic codes/descriptions)</i>	
	<input type="checkbox"/> UNKNOWN
	<input type="checkbox"/> NONE
Code: _____	Description: _____
Code: _____	Description: _____
Code: _____	Description: _____
<i>Continued >></i>	

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)).

Public reporting burden of this collection of information is estimated to average 25 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 D-74, Atlanta, GA 30333 ATTN: PRA (0920-0666).

Delayed Serologic Transfusion Reaction

Patient Medical History (Use worksheet on page 4 for additional codes and descriptions.)

(part 4) 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: _____

(part 5) Additional Information _____

Transfusion History (Use worksheet on page 4 for additional transfusion history.)

*Has the patient received a previous transfusion? YES NO UNKNOWN

****If yes, provide information about the transfusion event. If not, skip to Reaction Details section.**

Blood Product: WB RBC Platelet Plasma Cryoprecipitate Granulocyte
 Date of Transfusion: ____/____/____ UNKNOWN

Did the patient experience a transfusion adverse reaction? 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 #: _____

After recognition of the transfusion reaction, was the current transfusion:
 Continued Stopped and restarted Stopped indefinitely

Investigation Results

* **Delayed serologic transfusion reaction (DSTR)**

Antibody(ies): _____

***Case Definition**

Check all that apply:

- Absence of clinical signs of hemolysis
- Positive direct antiglobulin test (DAT)
- Demonstration of new, clinically-significant antibodies against red blood cells
- Positive antibody screen with newly identified RBC alloantibody
- None of the above

Continued >>

Delayed Serologic Transfusion Reaction

Investigation Results (continued)

Other signs and symptoms: (check all that apply)

Generalized:	<input type="checkbox"/> Chills/rigors	<input type="checkbox"/> Fever	<input type="checkbox"/> Nausea/vomiting	
Cardiovascular:	<input type="checkbox"/> Blood pressure decrease	<input type="checkbox"/> Shock		
Cutaneous:	<input type="checkbox"/> Edema	<input type="checkbox"/> Flushing	<input type="checkbox"/> Jaundice	
	<input type="checkbox"/> Other rash	<input type="checkbox"/> Pruritus (itching)	<input type="checkbox"/> Urticaria (hives)	
Hemolysis/Hemorrhage:	<input type="checkbox"/> Disseminated intravascular coagulation	<input type="checkbox"/> Hemoglobinemia		
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"/> Bilateral infiltrates on chest x-ray	<input type="checkbox"/> Bronchospasm	<input type="checkbox"/> Cough	
	<input type="checkbox"/> Hypoxemia	<input type="checkbox"/> Shortness of breath		
<input type="checkbox"/> Other: (specify) _____				

*Severity

Did the patient receive or experience any of the following? (Response definitions listed in protocol)

- | | |
|---|---|
| <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"/> Death |
| <input type="checkbox"/> Other medically important conditions | <input type="checkbox"/> Unknown or not stated |

*Imputability

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

- Transfusion performed by your facility is the only possible cause for seroconversion.
- The patient has other exposures (e.g. transfusion by another facility or pregnancy) that could explain seroconversion, but transfusion by your facility is the most likely cause.
- The patient was transfused by your facility, but other exposures are present that most likely explain seroconversion.
- 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

When was the new alloantibody identified?

- Occurred between 24 hours and 28 days after cessation of transfusion
- Occurred less than 24 hours after cessation of transfusion OR greater than 28 days after cessation of transfusion
- No new antibody was identified

Continued >>

Delayed Serologic Transfusion Reaction

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 _____

Additional Information _____

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 H1 receptor blockers 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

Continued >>

Delayed Serologic Transfusion Reaction

Component Details (Use worksheet on page 4 for additional units.)						
*Was a particular unit implicated in (i.e., responsible for) the adverse reaction? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A						
Transfusion Start and End Date/Time	*Component code (check system used)	Amount transfused at reaction onset	Unit number	*Unit expiration Date/Time	*Blood group of unit	Implicated Unit?
^IMPLICATED UNIT						
____/____/____ ____:____:____ ____/____/____ ____:____:____	<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
____/____/____ ____:____:____ ____/____/____ ____:____:____	<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

Hemovigilance Module Additional Worksheet

Patient Medical History

(part 1) List the patient's admitting diagnosis. *(Use ICD-10 Diagnostic codes/descriptions)*

Code: _____	Description: _____
Code: _____	Description: _____
Code: _____	Description: _____
Code: _____	Description: _____
Code: _____	Description: _____
Code: _____	Description: _____

(part 2) List the patient's underlying indication for transfusion. *(Use ICD-10 Diagnostic codes/descriptions)*

Code: _____	Description: _____
Code: _____	Description: _____
Code: _____	Description: _____
Code: _____	Description: _____
Code: _____	Description: _____
Code: _____	Description: _____

(part 3) 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: _____
Code: _____	Description: _____
Code: _____	Description: _____
Code: _____	Description: _____

(part 4) 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: _____
Code: _____	Description: _____
Code: _____	Description: _____
Code: _____	Description: _____

(part 5) Additional Information _____

Hemovigilance Module Additional Worksheet

Transfusion History
<p>Has the patient received a previous transfusion? <input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p><i>**If yes, provide information about the transfusion event. If not, skip to Reaction Details section.</i></p> <p>Blood Product: <input type="checkbox"/> WB <input type="checkbox"/> RBC <input type="checkbox"/> Platelet <input type="checkbox"/> Plasma <input type="checkbox"/> Cryoprecipitate <input type="checkbox"/> Granulocyte</p> <p>Date of Transfusion: ___/___/___ <input type="checkbox"/> UNKNOWN</p> <p>Did the patient experience a transfusion adverse reaction? <input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>If yes, provide information about the transfusion adverse reaction.</p> <p>Type of transfusion adverse reaction: <input type="checkbox"/> Allergic <input type="checkbox"/> AHTR <input type="checkbox"/> DHTR <input type="checkbox"/> DSTTR <input type="checkbox"/> FNHTR</p> <p><input type="checkbox"/> HTR <input type="checkbox"/> TTI <input type="checkbox"/> PTP <input type="checkbox"/> TACO <input type="checkbox"/> TAD <input type="checkbox"/> TA-GVHD <input type="checkbox"/> TRALI <input type="checkbox"/> UNKNOWN</p> <p><input type="checkbox"/> OTHER Specify _____</p>
<p>Has the patient received a previous transfusion? <input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p><i>**If yes, provide information about the transfusion event. If not, skip to Reaction Details section.</i></p> <p>Blood Product: <input type="checkbox"/> WB <input type="checkbox"/> RBC <input type="checkbox"/> Platelet <input type="checkbox"/> Plasma <input type="checkbox"/> Cryoprecipitate <input type="checkbox"/> Granulocyte</p> <p>Date of Transfusion: ___/___/___ <input type="checkbox"/> UNKNOWN</p> <p>Did the patient experience a transfusion adverse reaction? <input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>If yes, provide information about the transfusion adverse reaction.</p> <p>Type of transfusion adverse reaction: <input type="checkbox"/> Allergic <input type="checkbox"/> AHTR <input type="checkbox"/> DHTR <input type="checkbox"/> DSTTR <input type="checkbox"/> FNHTR</p> <p><input type="checkbox"/> HTR <input type="checkbox"/> TTI <input type="checkbox"/> PTP <input type="checkbox"/> TACO <input type="checkbox"/> TAD <input type="checkbox"/> TA-GVHD <input type="checkbox"/> TRALI <input type="checkbox"/> UNKNOWN</p> <p><input type="checkbox"/> OTHER Specify _____</p>
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Hemovigilance Module Additional Worksheet

Component Details						
*Was a particular unit implicated in (i.e., responsible for) the adverse reaction? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A						
Transfusion Start and End Date/Time	*Component code (check system used)	Amount transfused at reaction onset	Unit number	*Unit expiration Date/Time	*Blood group of unit	Implicated Unit?
____/____/____ ____:____ ____/____/____ ____:	<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
____/____/____ ____:____ ____/____/____ ____:	<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
____/____/____ ____:____ ____/____/____ ____:	<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
____/____/____ ____:____ ____/____/____ ____:	<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
____/____/____ ____:____ ____/____/____ ____:	<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
____/____/____ ____:____ ____/____/____ ____:	<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
____/____/____ ____:____ ____/____/____ ____:	<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
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_____ : _____ _____ / _____ / _____ _____ : _____	<input type="checkbox"/> Codabar _____	<input type="checkbox"/> Partial unit _____ mL	_____ _____	_____ : _____	<input type="checkbox"/> A- <input type="checkbox"/> B + <input type="checkbox"/> <input type="checkbox"/> O-	<input type="checkbox"/> AB- <input type="checkbox"/> O+	<input type="checkbox"/> AB+ <input type="checkbox"/> N/A	_____
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