NHSN
NATIONAL HEALTHCARE SAFETY NETWORK

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www.cdc.gov/nhsn

# Hemovigilance Module
# Adverse Reaction
# Post Transfusion Purpura

*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 / 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: _____

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

*☐ **Post transfusion purpura (PTP)**

***Case Definition**

**Check all that occurred** after cessation of transfusion :

☐ Alloantibodies in the patient directed against HPA or other platelet specific antigen detected at or after development of thrombocytopenia.

☐ Thrombocytopenia (i.e., decrease in platelets to less than 20% of pre-transfusion count).

☐ Decrease in platelets to levels between 20% and 80% of pre-transfusion count.

**Check all that apply:**

☐ PTP is suspected, but laboratory findings and/or information are not sufficient. NOTE: For example, the patient has a drop in platelet count to less than 80% of pre-transfusion count but HPA antibodies were not tested or were negative.

Other signs and symptoms: (check all that apply)

| | |
|---|---|
| **Generalized:** | ☐ Chills/rigors ☐ Fever ☐ Nausea/vomiting |
| **Cardiovascular:** | ☐ Blood pressure decrease ☐ Shock |
| **Cutaneous:** | ☐ Edema ☐ Flushing ☐ Jaundice<br>☐ Other rash ☐ Pruritus (itching) ☐ Urticaria (hives) |
| **Hemolysis/Hemorrhage:** | ☐ Disseminated intravascular coagulation ☐ Hemoglobinemia<br>☐ 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 ☐ Cough<br>☐ Hypoxemia ☐ Shortness of breath |

☐ Other: (specify) _____

***Severity**

Did the patient receive or experience any of the following?

☐ No treatment required ☐ Symptomatic treatment only
☐ Hospitalization, inlcuding 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?

☐ Patient has no other conditions to explain thrombocytopenia.
☐ There are other potential causes present that could explain thrombocytopenia, but transfusion is the most likely cause.
☐ Alternate explanations for thrombocytopenia are more likely, but transfusion cannot be ruled out.
☐ 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 did the reaction occur in relation to the transfusion?

☐ Occurred 5-12 days post-transfusion
☐ Occurred less than 5 or more than 12 days post-transfusion

## 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?** |
|---|---|---|---|---|---|---|
| **^IMPLICATED UNIT** | | | | | | |
| ____/____/___<br>___ ___:_____<br>____/____/___<br>___ ___:_____ | ☐ ISBT-128<br>☐ Codabar<br>___ ___ ___ ___ ___<br>_____ | ☐ Entire unit<br>☐ Partial unit<br>_____mL | __ __ __ __ __<br>__ __<br>__ __ __ __ __ __<br>__ __ __ | ___/___/_____<br>_____:_____ | ☐ A- ☐ A+ ☐ B-<br>☐ B+ ☐ AB- ☐ AB+<br>☐ O- ☐ O+ ☐ N/A | Y |
| ____/____/___<br>___ ___:___ _<br>____/____/___<br>___ ___:_____ | ☐ ISBT-128<br>☐ Codabar<br>___ ___ ___ ___ ___<br>_____ | ☐ Entire unit<br>☐ Partial unit<br>_____mL | __ __ __ __ __<br>__ __<br>__ __ __ __ __ __<br>__ __ __ | ___/___/_____<br>_____:_____ | ☐ A- ☐ A+ ☐ B-<br>☐ B+ ☐ AB- ☐ AB+<br>☐ O- ☐ O+ ☐ N/A | N |

## Custom Fields

| Label | | Label | |
|---|---|---|---|
| _____ | _____/_____/_____ | _____ | _____/_____/_____ |
| _____ | _____ | _____ | _____ |

## Comments

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