

## INTRODUCTION TO FORM 43 – TRANSFUSION MONITORING FORM

One Form 43 was to be used to record information for all RBC or all Platelets transfused during a 24-hour period. If both RBC and Platelet units were transfused during the same 24-hour period, two separate Form 43's were completed. The question at the bottom of the form was coded into a variable VISNUM which gives the number of the transfusion, as described in README.DOC under the heading Explanation of Visit and Transfusion Numbering.

## TRANSFUSION MONITORING FORM -- FORM 43 QxQ

This form is to be completed for every Red Blood Cell and Platelet transfusion a participant has for the duration of the VATS study. This includes transfusion of blinded Red Cell study components, open label leukoreduced Red Cells and/or platelets received as part of the VATS study, as well as Red Cell and/or Platelet transfusions the participant reports having received elsewhere. In this case, VATS staff should obtain a medical record release and attempt to obtain transfusion related records from the outside institution's blood bank/transfusion service and medical records department.

One Form 43 is intended to capture a complete transfusion episode, which is assumed will begin and end within a single 24 hour period. If a transfusion episode exceeds 24 hours, a second Form 43 will be required. It is anticipated that a single Form 43 will accommodate information (i.e., vital signs, meds) for all units given per transfusion episode/within a 24 hour period. If additional space is needed for any of the questions, record the additional information at the corresponding question number on a second form. To assure a second form is linked with the appropriate patient and transfusion episode, complete identifying information (items A1, A2 and B1).

Sections A & G of this form must be completed by the VATS Clinical Coordinator or his/her designate. Sections B-F can either be completed during the transfusion by the person administering it, OR the information can be abstracted by the Clinical Coordinator from the institution's standard transfusion monitoring record (completed by hospital/clinic staff during the transfusion). Because of the variety across sites, procedures for how and by whom Sections B-F are completed will be site specific. For example, at some institutions, it may be possible for this form to serve as the primary source document (official medical record) for the transfusion, avoiding the need for duplication of records by the person administering the transfusion.

### **SECTION A -- GENERAL INFORMATION**

- A1.** Affix the participant's VATS I.D. label, or record it if a label is not available.
- A2.** Record the participant's first, middle (if available) and last initials.

**NOTE:** A 2" by 4" space has been left blank along the right margin of this form to allow for site specific patient identification/information that may be a transfusion related institutional requirement. TO AVOID ANY BREACH IN PARTICIPANT CONFIDENTIALITY, ANY INFORMATION RELATING TO PATIENT IDENTIFICATION, BEYOND INITIALS (I.E., MEDICAL RECORD NUMBER OR NAME) MUST BE COVERED OR REMOVED BEFORE THE FORM IS COPIED AND SUBMITTED TO NERI.

### **SECTION B -- GENERAL INFORMATION**

- B1.** Record the date of the transfusion. If more than one unit of blood or platelets were/are being administered, or a transfusion episode lasts beyond midnight, record the date the first unit was started/administered.

- B2.** The person completing this form ( i.e., Sections B-F) should record his/her first, middle (when applicable) and last initials. This could be clinic/hospital staff administering the transfusion or a VATS staff member either administering the transfusion or abstracting the information from a medical record.
- B3.** Check the blood component that is being transfused. If the component is something other than Red Blood Cells or Platelets, list the name of the component in the comment space provided in Section F. Since we are only completing this form for Red Cell and platelet transfusions, few components are expected here. Examples would be whole blood, washed cells, which should be a rare occurrence.
- B4.** Use this space to record the unit numbers given as part of this episode or 24 hour period. An additional form 43 is required for episodes lasting longer than 24 hours. In this case, the unit numbers transfused during the second 24 hour period would be recorded in this space on the second form.
- B5.** Ascertain, through medical record review or self-report, whether or not the participant has had a temperature  $\geq 38^{\circ}\text{C}$  or  $\geq 100.4^{\circ}\text{F}$  in the 7 days prior to the transfusion start date.

### **SECTION C -- TRANSFUSION MONITORING**

Information recorded in Sections C-G. is to reflect the time interval from just prior to the administration of the first unit, through 30 minutes following the finish of the last unit transfused during this transfusion episode or 24 hour period. Consequently, only information pertinent to the unit numbers listed at question B4. should be recorded.

#### **C1. THROUGH C7.**

Record the time the first unit was started. Record temperature, pulse and blood pressure in the boxes provided. Be sure to indicate AM or PM for time and C or F for temperature. The protocol requires that a set of vital signs be taken and recorded prior to starting the first unit, and both immediately and 30 minutes after, the completion of the last unit. Any interim vital signs taken or available for abstraction should be recorded, noting the unit number that was being transfused at the time vital signs were taken.

#### **C8. AND C9.**

If any of the units given (listed in B4) were not completely transfused, record the number of the incomplete unit transfused and estimate the approximate volume (in percent) that was successfully transfused. For example, if only half or a little over half a unit was transfused before being stopped for an assumed reaction (hives), box 2 (50-74%) should be checked and "stopped due to hives" recorded as the reason.

### **SECTION D -- TRANSFUSION REACTIONS**

- D1.** If, over the duration of the transfusion episode or 24 hour period reflected on this form, none of the symptoms listed in D2. - D8. are self-reported or observed and no other transfusion related reaction was suspected or occurred, check the "None" box and go to Section E.

#### **D2. THROUGH D8.**

Check the box(es) which correspond(s) with the symptom(s) self-reported or observed at any point during the transfusion episode/24 hour period. Then record the number of the unit(s) that was/were being transfused at the time(s) the symptom occurred. If chills, for example, were associated with two of the units transfused, record the numbers of both the units in the space provided at D3a.

The following clarification of transfusion reaction signs or symptoms was added to the 8/1/96 version of the QxQ.

Any temperature elevation of  $\geq 1^{\circ}$  C (or  $1.8^{\circ}$  F) should be indicated at D5, with other information (if applicable) noted under Section F. Hypotension is defined as a 30% drop in systolic blood pressure or a recorded systolic blood pressure less than 90 mm Hg.

**D9. AND D10.**

When applicable, check the "Other" box and list any other symptoms (separately) suspected or considered to be a transfusion related reaction and the associated unit number(s).

**D11.** It is assumed that all institutions have a standard policy and procedure for reporting suspected and or definite transfusion reactions. We would like to know if a transfusion reaction was reported locally/internally at your institution in relation to any units administered during this transfusion episode. If yes, the VATS Clinical Coordinator should attempt to obtain and abstract appropriate information from the local report onto this form and/or Form 44, Adverse Transfusion Event Form.

**SECTION E -- MEDICATIONS**

**E1.** If none of the medications listed and no other transfusion related medications were administered pre, during or post this transfusion episode/24 hour period, check the "None" box and go to Section F.

**E2. THROUGH E7.**

Indicate which, if any, of the medications listed in E2. - E7. were administered just prior (*pre*) to the start of the 1st unit, at any time *during* the entire transfusion episode or 24 hour period, or within 30 minutes following completion of the last unit (*post*) transfused. We want to know if the participant received any of the medications listed, regardless of whether the indication was transfusion related or not. For example, if the participant is on Motrin tid as part of his/her daily/routine medication regime and received a dose after the transfusion started, the E6 box (NSAIDS) and E6b. box (During) should be checked.

**E8. AND E9.**

Record the name(s) of any other *transfusion related* medications administered in the spaces provided at E8. and E9. If additional space is needed, record it on a 2nd Form 43 and attach it to this form.

**NOTE** The purpose of asking for "other" medications" is to capture medications ordered and given in association with transfusion. Do not record standing/daily regime medications, such as vitamins, diuretics, beta blockers, etc.

**SECTION F -- COMMENTS**

This space may be used to record any additional information or explanations at the discretion of the Clinical Coordinator and/or person administering the transfusion.

**SECTION G -- FOR STUDY USE ONLY**

This section is to be reviewed and completed as necessary by the Clinical Coordinator in the case that any of the following apply to (or are known to be true of) this transfusion episode/24 hour period:

1. the participant received leukoreduced blood products (e.g., as an open label study/non-study component or erroneously)
2. the participant received irradiated blood products (e.g., as an open label study/non-study component or erroneously)
3. the transfusion episode took place at another, non-VATS institution, in other words "off-site."
4. The Clinical Coordinator is recording an adverse reaction related to this transfusion episode on the VATS Adverse Transfusion Event Form 44.

**VIRAL ACTIVATION TRANSFUSION STUDY (VATS) -- FORM 43 -- TRANSFUSION MONITORING FORM**

**SECTION A -- GENERAL INFORMATION**

**A & G TO BE COMPLETED BY CLINICAL COORDINATOR**

A1. Subject ID: (ENTER ID NUMBER OR AFFIX LABEL AT THE RIGHT)

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

A2. Subject initials: \_\_\_\_\_

**SECTION B -- GENERAL INFORMATION**

**B THROUGH F TO BE COMPLETED BY INDIVIDUAL ADMINISTERING TRANSFUSION**

B1. Date of transfusion: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

B2. Initials of person completing form: \_\_\_\_\_

B3. Component type:

1. RBC  2. Platelets

B4. Unit numbers: *(list all given during transfusion)* \_\_\_\_\_

B5. Has patient had temp.  $\geq 38^{\circ}\text{C}$  ( $100.4^{\circ}\text{F}$ ) in last 7 days?

1. Yes  2. No

**SECTION C -- TRANSFUSION MONITORING**

C1. Time first transfusion started: \_\_\_\_\_ : \_\_\_\_\_

a.  1. AM  2. PM

**VITAL SIGNS**

C2. Prior to first transfusion

C3. Interim (Unit # \_\_\_\_\_)

C4. Interim (Unit # \_\_\_\_\_)

C5. Interim (Unit # \_\_\_\_\_)

C6. Immediate post last transfusion

C7. 30-minute post last transfusion

	a. Time (indicate AM or PM)	b. Temp (indicate $^{\circ}\text{C}$ or $^{\circ}\text{F}$ )	c. Pulse (bpm)	d. Blood Pressure
C2. Prior to first transfusion				
C3. Interim (Unit # _____)				
C4. Interim (Unit # _____)				
C5. Interim (Unit # _____)				
C6. Immediate post last transfusion				
C7. 30-minute post last transfusion				

C8 and C9: **CHECK THE VOLUME TRANSFUSED IF LESS THAN 100%:**

a. Unit#      b. 1. 75-99%    2. 50-74%    3. 25-49%    4. <25%      c. Specify Reason

C8. \_\_\_\_\_

C9. \_\_\_\_\_

**SECTION D -- TRANSFUSION SIGNS AND SYMPTOMS CHECK ALL THAT APPLY:**

**SECTION E -- MEDICATIONS CHECK ALL THAT APPLY:**

Transfusion Reaction  
D1.  None  $\rightarrow$  **SKIP TO SEC. E**

a. Associated Unit #(s)

D2.  Hives \_\_\_\_\_

D3.  Chills \_\_\_\_\_

D4.  Nausea/Vomiting \_\_\_\_\_

D5.  Temp elevation  $\geq 1^{\circ}\text{C}$  ( $1.8^{\circ}\text{F}$ ) \_\_\_\_\_

D6.  Dyspnea \_\_\_\_\_

D7.  Hypotension (defined below) \_\_\_\_\_

D8.  Chest Pain \_\_\_\_\_

D9.  Other \_\_\_\_\_

D10.  Other \_\_\_\_\_

a.  None  $\rightarrow$  **SKIP TO SEC. F**      a. Pre      b. During      c. Post

E2.  Antihistamines

E3.  Antipyretics

E4.  Meperidine/Narcotics

E5.  Steroids

E6.  NSAIDS

E7.  Amphotericin

E8.  Other \_\_\_\_\_

E9.  Other \_\_\_\_\_

D11. Was a transfusion reaction form completed?  1. Yes  2. No

**Hypotension** as indicated by a 30% drop in systolic blood pressure or a recorded systolic blood pressure less than 90mm Hg,

**SECTION F -- COMMENTS**

**SECTION G -- FOR STUDY USE ONLY -- TO BE COMPLETED BY THE CLINICAL COORDINATOR**

G1. **CHECK ALL THAT APPLY**  1. Leukoreduced  2. Irradiated  3. Off-site  4. Adverse Reactions

**FOR NERI / INTERNAL USE ONLY**

Visit Number

1. T1

2. T2

3. Other

Version Date

08/01/96



COMPTYPE ----- B3.COMPONENT TYPE

type: numeric (float)  
label: COMPTYPE

range: [1,2] units: 1  
unique values: 2 coded missing: 0 / 1945

tabulation:	Freq.	Numeric	Label
	1745	1	1:RBC
	200	2	2:Platelets

TEMPGE38 ----- B5.FEVER IN PAST 7 DAYS

type: numeric (float)  
label: TEMPGE38

range: [1,2] units: 1  
unique values: 2 coded missing: 152 / 1945

tabulation:	Freq.	Numeric	Label
	813	1	1:Yes
	980	2	2:No

TRANSTRT ----- C1.TIME FIRST TRANSFUSION STARTED

type: string (str5)

unique values: 216 coded missing: 63 / 1945

examples: "02:00"  
"05:30"  
"09:20"  
"11:15"

TRANSTRT:

- Note that time was NOT recorded in military time (24-hour clock). Therefore, the TRANSTRT variable must be used in conjunction with TRANS\_AP.

TRANS\_AP ----- C1a.TIME 1ST TRANSFUSION STARTED - AM/PM

type: numeric (float)  
label: TRANS\_AP

range: [1,2] units: 1  
unique values: 2 coded missing: 193 / 1945

tabulation:	Freq.	Numeric	Label
	714	1	1:A.M.
	1038	2	2:P.M.

PR\_TIME ----- C2a.TIME VITAL SIGNS TAKEN PRIOR TX

type: string (str5)

unique values: 211 coded missing: 303 / 1945

examples: "01:30"  
"05:10"  
"09:00"  
"11:00"

## PR\_TIME:

- Note that time was NOT recorded in military time (24-hour clock). Therefore, the PR\_TIME variable must be used in conjunction with PRTIM\_AP.

## PRTIM\_AP ----- C2a.TIME VITALS TAKEN PRIOR TX - AM/PM

type: numeric (float)  
 label: PRTIM\_AP  
  
 range: [1,2] units: 1  
 unique values: 2 coded missing: 302 / 1945  
  
 tabulation: Freq. Numeric Label  
                   744           1   1:A.M.  
                   899           2   2:P.M.

## PR\_TEMP ----- C2b.TEMPERATURE PRIOR TO FIRST TX

type: numeric (float)  
  
 range: [32.1,103.8] units: .01  
 unique values: 141 coded missing: 319 / 1945  
  
 mean: 58.6438  
 std. dev: 29.3766  
  
 percentiles:           10%           25%           50%           75%           90%  
                           36.3           36.9           37.7           97.7           99.4

## PR\_TEMP:

- Note that tempature was recorded in either English or Metric units. Therefore, the PR\_TEMP variable must be used in conjunction with PR\_CF.

## PR\_CF ----- C2b.TEMPERATURE PRIOR TO TX - C OR F

type: numeric (float)  
 label: PR\_CF  
  
 range: [1,2] units: 1  
 unique values: 2 coded missing: 318 / 1945  
  
 tabulation: Freq. Numeric Label  
                   1058           1   1:Centigrade  
                   569           2   2:Farenheit

## PR\_PULSE ----- C2c.PULSE PRIOR TO FIRST TX

type: numeric (float)  
  
 range: [44,159] units: 1  
 unique values: 99 coded missing: 307 / 1945  
  
 mean: 95.7979  
 std. dev: 17.4372  
  
 percentiles:           10%           25%           50%           75%           90%  
                           76           84           96           106           120



PR\_SYSBP ----- C2d.SYSTOLIC BLOOD PRESSURE PRIOR TX  
 type: numeric (float)  
 range: [61,188] units: 1  
 unique values: 98 coded missing: 308 / 1945  
 mean: 112.856  
 std. dev: 17.0091  
 percentiles: 10% 25% 50% 75% 90%  
 92 100 110 122 136

PR\_DIABP ----- C2d.DIASTOLIC BP PRIOR FIRST TX  
 type: numeric (float)  
 range: [26,120] units: 1  
 unique values: 74 coded missing: 312 / 1945  
 mean: 66.5775  
 std. dev: 12.413  
 percentiles: 10% 25% 50% 75% 90%  
 50 59 66 75 82

IM\_TIME ----- C6a.TIME - IMMEDIATE POST TX VITALS  
 type: string (str5)  
 unique values: 188 coded missing: 661 / 1945  
 examples: ""  
 "01:55"  
 "04:00"  
 "07:30"

## IM\_TIME:

- Note that time was NOT recorded in military time (24-hour clock). Therefore, the IM\_TIME variable must be used in conjunction with IMTIM\_AP.

IMTIM\_AP ----- C6a.TIME AM/PM - IMMED POST TX VITALS  
 type: numeric (float)  
 label: IMTIM\_AP  
 range: [1,2] units: 1  
 unique values: 2 coded missing: 660 / 1945  
 tabulation: Freq. Numeric Label  
 440 1 1:A.M.  
 845 2 2:P.M.

IM\_TEMP ----- C6b.TEMPERATURE - IMMEDIATE POST TX  
 type: numeric (float)  
 range: [33.3,103] units: .01  
 unique values: 122 coded missing: 715 / 1945  
 mean: 58.4635  
 std. dev: 29.3791  
 percentiles: 10% 25% 50% 75% 90%  
 36.2 36.7 37.3 97.7 99

## IM\_TEMP:

- Note that tempature was recorded in either English or Metric units.  
 Therefore, the IM\_TEMP variable must be used in conjunction with IM\_CF.

IM\_CF ----- C6b.TEMPERATURE C/F - IMMEDIATE POST TX  
 type: numeric (float)  
 label: IM\_CF  
 range: [1,2] units: 1  
 unique values: 2 coded missing: 716 / 1945  
 tabulation: Freq. Numeric Label  
 799 1 1:Centigrade  
 430 2 2:Farenheit

IM\_PULSE ----- C6c.PULSE - IMMEDIATE POST TX  
 type: numeric (float)  
 range: [41,174] units: 1  
 unique values: 98 coded missing: 680 / 1945  
 mean: 88.7257  
 std. dev: 16.7796  
 percentiles: 10% 25% 50% 75% 90%  
 69 78 87 100 110

IM\_SYS ----- C6d.SYSTOLIC BP - IMMEDIATE POST TX  
 type: numeric (float)  
 range: [70,196] units: 1  
 unique values: 100 coded missing: 671 / 1945  
 mean: 116.845  
 std. dev: 18.1063  
 percentiles: 10% 25% 50% 75% 90%  
 98 104 114 126 140

IM\_DIA ----- C6d.DIASTOLIC BP - IMMEDIATE POST TX  
 type: numeric (float)  
 range: [22,119] units: 1  
 unique values: 74 coded missing: 671 / 1945  
 mean: 70.7151  
 std. dev: 12.734  
 percentiles: 10% 25% 50% 75% 90%  
 56 60 70 80 88

TIME\_30M ----- C7a.TIME - 30 MINUTES POST TX  
 type: string (str5)  
 unique values: 118                      coded missing: 1520 / 1945  
 examples: ""  
           ""  
           ""  
           "02:00"  
 warning: variable has embedded blanks

AP\_30TIM ----- C7a.TIME AM/PM - 30 MINUTES POST TX  
 type: numeric (float)  
 label: AP\_30TIM  
 range: [1,2]                              units: 1  
 unique values: 2                          coded missing: 1519 / 1945  
 tabulation: Freq.    Numeric    Label  
                   162            1    1:A.M.  
                   264            2    2:P.M.

TEMP\_30M ----- C7b.TEMPERATURE - 30 MINUTES POST TX  
 type: numeric (float)  
 range: [33.2,105.3]                      units: .01  
 unique values: 87                          coded missing: 1560 / 1945  
 mean: 48.2105  
 std. dev: 23.9051  
 percentiles:            10%            25%            50%            75%            90%  
                           36.1            36.6            37.1            38.2            98.1

## TEMP\_30M:

- Note that tempature was recorded in either English or Metric units. Therefore, the TEMP\_30M variable must be used in conjunction with CF\_30M.

CF\_30M ----- C7b.TEMPERATURE C/F - 30 MINUTES POST TX  
 type: numeric (float)  
 label: CF\_30M  
 range: [1,2]                              units: 1  
 unique values: 2                          coded missing: 1560 / 1945  
 tabulation: Freq.    Numeric    Label  
                   315            1    1:Centigrade  
                   70            2    2:Farenheit

PULSE\_30 ----- C7c.PULSE - 30 MINUTES POST TX  
 type: numeric (float)  
 range: [47,162]                            units: 1  
 unique values: 73                          coded missing: 1538 / 1945  
 mean: 89.1646  
 std. dev: 17.9477  
 percentiles:            10%            25%            50%            75%            90%  
                           70            77            87            100            114

SYS\_30M ----- C7d.SYSTOLIC BP - 30 MINUTES POST TX  
 type: numeric (float)  
 range: [70,181] units: 1  
 unique values: 76 coded missing: 1535 / 1945  
 mean: 116.244  
 std. dev: 16.928  
 percentiles: 10% 25% 50% 75% 90%  
 96 104 116 126 140

DIA\_30M ----- C7d.DIASTOLIC BP - 30 MINUTES POST TX  
 type: numeric (float)  
 range: [38,112] units: 1  
 unique values: 60 coded missing: 1535 / 1945  
 mean: 70.4195  
 std. dev: 11.941  
 percentiles: 10% 25% 50% 75% 90%  
 56 62 70 79 86

NO\_REACT ----- D1.NO TRANSFUSION REACTION  
 type: numeric (float)  
 label: NO\_REACT  
 range: [1,2] units: 1  
 unique values: 2 coded missing: 143 / 1945  
 tabulation: Freq. Numeric Label  
 1606 1 1:Checked  
 196 2 2:Not checked

HIVES ----- D2.HIVES  
 type: numeric (float)  
 label: HIVES  
 range: [1,2] units: 1  
 unique values: 2 coded missing: 1749 / 1945  
 tabulation: Freq. Numeric Label  
 3 1 1:Checked  
 193 2 2:Not checked

H\_UNIT ----- D2.ASSOCIATED UNIT TO HIVES  
 type: string (str12), but longest is str9  
 unique values: 3 coded missing: 1942 / 1945  
 tabulation: Freq. Value  
 1 "42FS39966"  
 1 "4B4982"  
 1 "6D3922"

CHILLS ----- D3.CHILLS

type: numeric (float)  
label: CHILLS

range: [1,2] units: 1  
unique values: 2 coded missing: 1749 / 1945

tabulation:	Freq.	Numeric	Label
	17	1	1:Checked
	179	2	2:Not checked

C\_UNIT ----- D3.CHILLS ASSOCIATED UNIT NUMBER

type: string (str12), but longest is str9

unique values: 17 coded missing: 1928 / 1945

tabulation:	Freq.	Value
	1	"12FR42622"
	1	"12FW39543"
	1	"12FY33795"
	1	"16FR04827"
	1	"2748310"
	1	"2845640"
	1	"2S1529"
	1	"42FH74239"
	1	"5024004"
	1	"53FK39422"
	1	"96R08908"
	1	"96R09276"
	1	"96R09487"
	1	"J37352"
	1	"K69241"
	1	"KC14752"
	1	"LS17987"

NAUSEA ----- D4.NAUSEA

type: numeric (float)  
label: NAUSEA

range: [1,2] units: 1  
unique values: 2 coded missing: 1749 / 1945

tabulation:	Freq.	Numeric	Label
	5	1	1:Checked
	191	2	2:Not checked

N\_UNIT ----- D4.NAUSEA ASSOCIATED UNIT NUMBER

type: string (str12), but longest is str7

unique values: 4 coded missing: 1941 / 1945

tabulation:	Freq.	Value
	1	"1A2985"
	1	"2960470"
	1	"8107690"
	1	"LS17987"

HI\_TEMP ----- D5.TEMP ELEVATION GE 1C  
 type: numeric (float)  
 label: HI\_TEMP  
 range: [1,2] units: 1  
 unique values: 2 coded missing: 1749 / 1945  
 tabulation: Freq. Numeric Label  
                   126          1 1:Checked  
                   70          2 2:Not checked

T\_UNIT ----- D5.TEMP ELEVATION ASSOCIATED UNIT  
 type: string (str12), but longest is str10  
 unique values: 126 coded missing: 1819 / 1945  
 examples: ""  
           ""  
           ""  
           ""

DYSPNEA ----- D6.DYSPNEA  
 type: numeric (float)  
 label: DYSPNEA  
 range: [1,2] units: 1  
 unique values: 2 coded missing: 1749 / 1945  
 tabulation: Freq. Numeric Label  
                   7          1 1:Checked  
                  189         2 2:Not checked

D\_UNIT ----- D6.DYSPNEA ASSOCIATED UNIT NUMBER  
 type: string (str12), but longest is str9  
 unique values: 7 coded missing: 1938 / 1945  
 tabulation: Freq. Value  
                   1 "12FW39543"  
                   1 "2769170"  
                   1 "2845640"  
                   1 "6Y8677"  
                   1 "8E2524"  
                   1 "J37352"  
                   1 "LE02150"

FALL\_BP ----- D7.FALL IN BLOOD PRESSURE / HYPOTENSION  
 type: numeric (float)  
 label: FALL\_BP  
 range: [1,2] units: 1  
 unique values: 2 coded missing: 1749 / 1945  
 tabulation: Freq. Numeric Label  
                   39          1 1:Checked  
                  157          2 2:Not checked

BP\_UNIT ----- D7.FALL IN BP ASSOCIATED UNIT  
 type: string (str12), but longest is str10  
 unique values: 39                      coded missing: 1906 / 1945  
 examples: ""  
           ""  
           ""  
           ""

CH\_PAIN ----- D8.CHEST PAIN  
 type: numeric (float)  
 label: CH\_PAIN  
 range: [1,2]                              units: 1  
 unique values: 2                      coded missing: 1749 / 1945  
 tabulation: Freq.    Numeric    Label  
               4            1    1:Checked  
              192          2    2:Not checked

P\_UNIT ----- D8.CHEST PAIN ASSOCIATED UNIT  
 type: string (str12), but longest is str9  
 unique values: 4                      coded missing: 1941 / 1945  
 tabulation: Freq.    Value  
               1    "12FW39543"  
               1    "2845640"  
               1    "2S1529"  
               1    "53GS16923"

OTHER1 ----- D9.OTHER REACTION 1  
 type: numeric (float)  
 label: OTHER1  
 range: [1,2]                              units: 1  
 unique values: 2                      coded missing: 1749 / 1945  
 tabulation: Freq.    Numeric    Label  
               35            1    1:Checked  
              161            2    2:Not checked

O1\_UNIT ----- D9.OTHER REACTION 1 ASSOCIATED UNIT  
 type: string (str13)  
 unique values: 35                      coded missing: 1910 / 1945  
 examples: ""  
           ""  
           ""  
           ""  
           ""  
 warning: variable has embedded blanks

OTH1\_SPC ----- D9.OTHER 1 SPECIFY

type: string (str30)

unique values: 22 coded missing: 1910 / 1945

tabulation:	Freq.	Value
	1	"ABDOMINAL PAIN"
	1	"BLOOD PRESSURE UP"
	1	"DECREASE IN PULSE RATE"
	3	"ELEVATED BLOOD PRESSURE"
	1	"ELEVATED PULSE"
	1	"ELEVATION BP"
	1	"ELEVATION SYSTOLIC BP"
	1	"EXTREME ITCHING"
	1	"FEET "COLD", NO CHILLS"
	11	"HYPERTENSION"
	1	"INCREASE B/P 140/100"
	1	"INCREASE IN PULSE RATE"
	1	"INCREASE SYSTOLIC BP"
	1	"INCREASED BLOOD PRESSURE"
	1	"ITCHING"
	1	"O2 SAT FROM 96->90"
	1	"PAIN IN HAND, ARM, AND LEG"
	1	"PRURITIS"
	1	"REDNESS EXTND ALNG VEIN FRM IV"
	1	"SHAKES"
	2	"TACHYCARDIA"
	1	"WHEEZING"

warning: variable has embedded blanks

OTHER2 ----- D10.OTHER REACTION 2

type: numeric (float)

label: OTHER2

range: [1,2]

units: 1

unique values: 2 coded missing: 1910 / 1945

tabulation:	Freq.	Numeric	Label
	5	1	1:Checked
	30	2	2:Not checked

O2\_UNIT ----- D10.OTHER REACTION 2 ASSOCIATED UNIT

type: string (str12), but longest is str7

unique values: 5 coded missing: 1940 / 1945

tabulation:	Freq.	Value
	1	"1551340"
	1	"1W1537"
	1	"2S1529"
	1	"6Y8677"
	1	"KC14752"





PO\_ANTIHI ----- E2c.ANTIHISTAMINES POST TRANSFUSION

type: numeric (float)  
label: PO\_ANTIHI

range: [1,2] units: 1  
unique values: 2 coded missing: 1006 / 1945

tabulation:	Freq.	Numeric	Label
	17	1	1:Checked
	922	2	2:Not checked

  

ANTIPYR ----- E3.ANTIPYRETICS

type: numeric (float)  
label: ANTIPYR

range: [1,2] units: 1  
unique values: 2 coded missing: 757 / 1945

tabulation:	Freq.	Numeric	Label
	1049	1	1:Checked
	139	2	2:Not checked

  

PR\_ANTIP ----- E3a.ANTIPYRETICS PRE TRANSFUSION

type: numeric (float)  
label: PR\_ANTIP

range: [1,2] units: 1  
unique values: 2 coded missing: 897 / 1945

tabulation:	Freq.	Numeric	Label
	977	1	1:Checked
	71	2	2:Not checked

  

D\_ANTIP ----- E3b.ANTIPYRETICS DURING TRANSFUSION

type: numeric (float)  
label: D\_ANTIP

range: [1,2] units: 1  
unique values: 2 coded missing: 897 / 1945

tabulation:	Freq.	Numeric	Label
	130	1	1:Checked
	918	2	2:Not checked

  

PO\_ANTIP ----- E3c.ANTIPYRETICS POST TRANSFUSION

type: numeric (float)  
label: PO\_ANTIP

range: [1,2] units: 1  
unique values: 2 coded missing: 897 / 1945

tabulation:	Freq.	Numeric	Label
	35	1	1:Checked
	1013	2	2:Not checked

## NARCOTIC ----- E4.MEPPERIDINE/NARCOTICS

type: numeric (float)  
 label: NARCOTIC  
  
 range: [1,2] units: 1  
 unique values: 2 coded missing: 757 / 1945  
  
 tabulation: Freq. Numeric Label  
                   110          1 1:Checked  
                   1078         2 2:Not checked

## PR\_NARC ----- E4a.MEPPERIDINE/NARCOTICS PRE TX

type: numeric (float)  
 label: PR\_NARC  
  
 range: [1,2] units: 1  
 unique values: 2 coded missing: 1835 / 1945  
  
 tabulation: Freq. Numeric Label  
                   65          1 1:Checked  
                   45          2 2:Not checked

## D\_NARC ----- E4b.MEPPERIDINE/NARCOTICS DURING TX

type: numeric (float)  
 label: D\_NARC  
  
 range: [1,2] units: 1  
 unique values: 2 coded missing: 1835 / 1945  
  
 tabulation: Freq. Numeric Label  
                   62          1 1:Checked  
                   48          2 2:Not checked

## PO\_NARC ----- E4c.MEPPERIDINE/NARCOTICS POST TX

type: numeric (float)  
 label: PO\_NARC  
  
 range: [1,2] units: 1  
 unique values: 2 coded missing: 1835 / 1945  
  
 tabulation: Freq. Numeric Label  
                   37          1 1:Checked  
                   73          2 2:Not checked

## STEROIDS ----- E5.STEROIDS

type: numeric (float)  
 label: STEROIDS  
  
 range: [1,2] units: 1  
 unique values: 2 coded missing: 757 / 1945  
  
 tabulation: Freq. Numeric Label  
                   36          1 1:Checked  
                   1152         2 2:Not checked

PR\_STER ----- E5a.STEROIDS PRE TRANSFUSION

type: numeric (float)  
label: PR\_STER

range: [1,2] units: 1  
unique values: 2 coded missing: 1909 / 1945

tabulation:	Freq.	Numeric	Label
	13	1	1:Checked
	23	2	2:Not checked

D\_STER ----- E5b.STEROIDS DURING TRANSFUSION

type: numeric (float)  
label: D\_STER

range: [1,2] units: 1  
unique values: 2 coded missing: 1909 / 1945

tabulation:	Freq.	Numeric	Label
	19	1	1:Checked
	17	2	2:Not checked

PO\_STER ----- E5c.STEROIDS POST TRANSFUSION

type: numeric (float)  
label: PO\_STER

range: [1,2] units: 1  
unique values: 2 coded missing: 1909 / 1945

tabulation:	Freq.	Numeric	Label
	8	1	1:Checked
	28	2	2:Not checked

NSAIDS ----- E6.NSAIDS

type: numeric (float)  
label: NSAIDS

range: [1,2] units: 1  
unique values: 2 coded missing: 757 / 1945

tabulation:	Freq.	Numeric	Label
	14	1	1:Checked
	1174	2	2:Not checked

PR\_NSAID ----- E6a.NSAIDS PRE TRANSFUSION

type: numeric (float)  
label: PR\_NSAID

range: [1,2] units: 1  
unique values: 2 coded missing: 1931 / 1945

tabulation:	Freq.	Numeric	Label
	10	1	1:Checked
	4	2	2:Not checked

D\_NSAID ----- E6b.NSAIDS DURING TRANSFUSION

type: numeric (float)  
 label: D\_NSAID  
  
 range: [1,2] units: 1  
 unique values: 2 coded missing: 1931 / 1945  
  
 tabulation: Freq. Numeric Label  
                   4          1 1:Checked  
                   10         2 2:Not checked

PO\_NSAID ----- E6c.NSAIDS POST TRANSFUSION

type: numeric (float)  
 label: PO\_NSAID  
  
 range: [1,2] units: 1  
 unique values: 2 coded missing: 1931 / 1945  
  
 tabulation: Freq. Numeric Label  
                   2          1 1:Checked  
                   12         2 2:Not checked

AMPHOTER ----- E7.AMPHOTERICIN

type: numeric (float)  
 label: AMPHOTER  
  
 range: [1,2] units: 1  
 unique values: 2 coded missing: 757 / 1945  
  
 tabulation: Freq. Numeric Label  
                   18          1 1:Checked  
                   1170         2 2:Not checked

PR\_AMPHO ----- E7a.AMPHOTERICIN PRE TRANSFUSION

type: numeric (float)  
 label: PR\_AMPHO  
  
 range: [1,2] units: 1  
 unique values: 2 coded missing: 1927 / 1945  
  
 tabulation: Freq. Numeric Label  
                   3          1 1:Checked  
                   15          2 2:Not checked

D\_AMPHO ----- E7b.AMPHOTERICIN DURING TRANSFUSION

type: numeric (float)  
 label: D\_AMPHO  
  
 range: [1,2] units: 1  
 unique values: 2 coded missing: 1927 / 1945  
  
 tabulation: Freq. Numeric Label  
                   2          1 1:Checked  
                   16          2 2:Not checked



O1MEDSPC ----- E8.OTHER 1 MED SPECIFY  
           type: string (str30)  
           unique values: 74                  coded missing: 1835 / 1945  
           examples: ""  
                       ""  
                       ""  
                       ""  
           warning: variable has embedded blanks

OTH2\_MED ----- E9.OTHER 2 MED  
           type: numeric (float)  
           label: OTH2\_MED  
           range: [1,2]                      units: 1  
           unique values: 2                  coded missing: 1835 / 1945  
           tabulation: Freq.  Numeric  Label  
                           30          1  1:Checked  
                           80          2  2:Not checked

PR\_OTH2 ----- E9a.OTHER 2 MED PRE TRANSFUSION  
           type: numeric (float)  
           label: PR\_OTH2  
           range: [1,2]                      units: 1  
           unique values: 2                  coded missing: 1915 / 1945  
           tabulation: Freq.  Numeric  Label  
                           7          1  1:Checked  
                           23         2  2:Not checked

D\_OTH2 ----- E9b.OTHER 2 MED DURING TRANSFUSION  
           type: numeric (float)  
           label: D\_OTH2  
           range: [1,2]                      units: 1  
           unique values: 2                  coded missing: 1915 / 1945  
           tabulation: Freq.  Numeric  Label  
                           24          1  1:Checked  
                           6          2  2:Not checked

PO\_OTH2 ----- E9c.OTHER 2 MED POST TRANSFUSION  
           type: numeric (float)  
           label: PO\_OTH2  
           range: [1,2]                      units: 1  
           unique values: 2                  coded missing: 1915 / 1945  
           tabulation: Freq.  Numeric  Label  
                           9          1  1:Checked  
                           21         2  2:Not checked

O2MEDSPC ----- E9.OTHER 2 MED SPECIFY  
 type: string (str30), but longest is str24  
 unique values: 27                      coded missing: 1915 / 1945  
 examples: ""  
           ""  
           ""  
           ""  
 warning: variable has embedded blanks

OTH3\_MED ----- E9.OTHER 3 MED  
 type: numeric (float)  
 label: OTH3\_MED  
 range: [1,2]                              units: 1  
 unique values: 2                      coded missing: 1915 / 1945  
 tabulation: Freq.    Numeric    Label  
               6            1    1:Checked  
               24           2    2:Not checked

PR\_OTH3 ----- E9a.OTHER 3 MED PRE TRANSFUSION  
 type: numeric (float)  
 label: PR\_OTH3  
 range: [1,2]                              units: 1  
 unique values: 2                      coded missing: 1939 / 1945  
 tabulation: Freq.    Numeric    Label  
               1            1    1:Checked  
               5            2    2:Not checked

D\_OTH3 ----- E9b.OTHER 3 MED DURING TRANSFUSION  
 type: numeric (float)  
 label: D\_OTH3  
 range: [1,2]                              units: 1  
 unique values: 2                      coded missing: 1939 / 1945  
 tabulation: Freq.    Numeric    Label  
               4            1    1:Checked  
               2            2    2:Not checked

PO\_OTH3 ----- E9c.OTHER 3 MED POST TRANSFUSION  
 type: numeric (float)  
 label: PO\_OTH3  
 range: [1,2]                              units: 1  
 unique values: 2                      coded missing: 1939 / 1945  
 tabulation: Freq.    Numeric    Label  
               1            1    1:Checked  
               5            2    2:Not checked



O3MEDSPC ----- E9.OTHER 3 MED SPECIFY

type: string (str30), but longest is str13

unique values: 6 coded missing: 1939 / 1945

tabulation:	Freq.	Value
	1	"AMITRIPTYLINE"
	1	"ANTIFUNGAL"
	1	"NITROGLYCERIA"
	1	"TIMENTIN"
	1	"TRAZADONE"
	1	"VISPERIDONE"

OTH4\_MED ----- E9.OTHER 4 MED

type: numeric (float)

label: OTH4\_MED

range: [1,2]

units: 1

unique values: 2 coded missing: 1939 / 1945

tabulation:	Freq.	Numeric	Label
	3	1	1:Checked
	3	2	2:Not checked

PR\_OTH4 ----- E9a.OTHER 4 MED PRE TRANSFUSION

type: numeric (float)

label: PR\_OTH4

range: [1,2]

units: 1

unique values: 2 coded missing: 1942 / 1945

tabulation:	Freq.	Numeric	Label
	1	1	1:Checked
	2	2	2:Not checked

D\_OTH4 ----- E9b.OTHER 4 MED DURING TRANSFUSION

type: numeric (float)

label: D\_OTH4

range: [1,1]

units: 1

unique values: 1 coded missing: 1942 / 1945

tabulation:	Freq.	Numeric	Label
	3	1	1:Checked

PO\_OTH4 ----- E9c.OTHER 4 MED POST TRANSFUSION

type: numeric (float)

label: PO\_OTH4

range: [1,2]

units: 1

unique values: 2 coded missing: 1942 / 1945

tabulation:	Freq.	Numeric	Label
	1	1	1:Checked
	2	2	2:Not checked

O4MEDSPC ----- E9.OTHER 4 MED SPECIFY  
 type: string (str30), but longest is str10  
 unique values: 3                      coded missing: 1942 / 1945  
 tabulation: Freq. Value  
                   1 "ANTIULCER"  
                   1 "FOSCARNET"  
                   1 "LAMIVUDINE"

OTH5\_MED ----- E9.OTHER 5 MED  
 type: numeric (float)  
 label: OTH5\_MED  
 range: [1,2]                              units: 1  
 unique values: 2                      coded missing: 1942 / 1945  
 tabulation: Freq. Numeric Label  
                   1            1 1:Checked  
                   2            2 2:Not checked

PR\_OTH5 ----- E9a.OTHER 5 MED PRE TRANSFUSION  
 type: numeric (float)  
 label: PR\_OTH5  
 range: [1,1]                              units: 1  
 unique values: 1                      coded missing: 1944 / 1945  
 tabulation: Freq. Numeric Label  
                   1            1 1:Checked

D\_OTH5 ----- E9b.OTHER 5 MED DURING TRANSFUSION  
 type: numeric (float)  
 label: D\_OTH5  
 range: [1,1]                              units: 1  
 unique values: 1                      coded missing: 1944 / 1945  
 tabulation: Freq. Numeric Label  
                   1            1 1:Checked

PO\_OTH5 ----- E9c.OTHER 5 MED POST TRANSFUSION  
 type: numeric (float)  
 label: PO\_OTH5  
 range: [1,1]                              units: 1  
 unique values: 1                      coded missing: 1944 / 1945  
 tabulation: Freq. Numeric Label  
                   1            1 1:Checked

O5MEDSPC ----- E9.OTHER 5 MED SPECIFY  
 type: string (str30), but longest is str25  
 unique values: 1                      coded missing: 1944 / 1945  
 tabulation: Freq. Value  
                   1 "ANTI-PSYCHOTIC/NEURDEPTIC"

LEUKORED ----- G1.1.LEUKOREDUCED

type: numeric (float)  
label: LEUKORED

range: [1,2] units: 1  
unique values: 2 coded missing: 5 / 1945

tabulation:	Freq.	Numeric	Label
	12	1	1:Checked
	1928	2	2:Not checked

IRRADIAT ----- G1.2.IRRADIATED

type: numeric (float)  
label: IRRADIAT

range: [1,2] units: 1  
unique values: 2 coded missing: 5 / 1945

tabulation:	Freq.	Numeric	Label
	7	1	1:Checked
	1933	2	2:Not checked

OFF\_SITE ----- G1.3.OFF SITE

type: numeric (float)  
label: OFF\_SITE

range: [1,2] units: 1  
unique values: 2 coded missing: 5 / 1945

tabulation:	Freq.	Numeric	Label
	45	1	1:Checked
	1895	2	2:Not checked

ADVREACT ----- G1.4.ADVERSE REACTION

type: numeric (float)  
label: ADVREACT

range: [1,2] units: 1  
unique values: 2 coded missing: 5 / 1945

tabulation:	Freq.	Numeric	Label
	57	1	1:Checked
	1883	2	2:Not checked



## TRANSFUSION MONITORING FORM – CODEBOOK FM43DATC

PUB\_ID ----- SUBJECT ID  
 type: numeric (float)  
 range: [1,531] units: 1  
 unique values: 514 coded missing: 0 / 4409  
 mean: 271.185  
 std. dev: 149.415  
 percentiles: 10% 25% 50% 75% 90%  
 60 143 281 398 467

VISNUM ----- VISIT NUMBER (SEE FOOTER ON FORM)  
 type: string (str2)  
 unique values: 43 coded missing: 0 / 4409  
 examples: "P2"  
 "P6"  
 "T1"  
 "T1"

## VISNUM:

- This form is used at transfusion visits (T1, T2, P1, P2, etc.). See 'Transfusion Numbering' in README.DOC.

INT\_UNIT ----- C3.-C5.INTERIM UNIT NUMBER  
 type: string (str12), but longest is str11  
 unique values: 3580 coded missing: 0 / 4409  
 examples: "1V5557"  
 "5017739"  
 "7813474"  
 "K64849"  
 warning: variable has leading blanks

IN\_TIME ----- C3a.-C5a.TIME VITALS-INTERIM TX  
 type: string (str5)  
 unique values: 266 coded missing: 0 / 4409  
 examples: "02:15"  
 "04:25"  
 "08:15"  
 "11:00"  
 warning: variable has embedded blanks

## IN\_TIME:

- Note that time was NOT recorded in military time (24-hour clock). Therefore, the IN\_TIME variable must be used in conjunction with IMTIM\_AP.

INTIM\_AP ----- C3a.-C5a.TIME VITALS-INTERIM TX (AM/PM)

type: numeric (float)  
 label: INTIM\_AP  
 range: [1,2] units: 1  
 unique values: 2 coded missing: 154 / 4409  
 tabulation: Freq. Numeric Label  
                   1572          1 1:A.M.  
                   2683          2 2:P.M.

IN\_TEMP ----- C3b.-C5b.TEMPERATURE-INTERIM TX

type: numeric (float)  
 range: [32.9,103.1] units: .01  
 unique values: 169 coded missing: 349 / 4409  
 mean: 60.3655  
 std. dev: 29.8757  
 percentiles:           10%       25%       50%       75%       90%  
                           36.3       36.8       37.7       98       99.35

IN\_TEMP:

- Note that tempature was recorded in either English or Metric units. Therefore, the IN\_TEMP variable must be used in conjunction with IN\_CF.

IN\_CF ----- C3b.-C5b.TEMPERATURE-INTERIM TX (C OR F)

type: numeric (float)  
 label: IN\_CF  
 range: [1,2] units: 1  
 unique values: 2 coded missing: 348 / 4409  
 tabulation: Freq. Numeric Label  
                   2519          1 1:Centigrade  
                   1542          2 2:Farenheit

IN\_PULSE ----- C3c.-C5c.PULSE INTERIM TRANSFUSION

type: numeric (float)  
 range: [40,168] units: 1  
 unique values: 107 coded missing: 196 / 4409  
 mean: 91.3717  
 std. dev: 17.1611  
 percentiles:           10%       25%       50%       75%       90%  
                           72       80       89       101       114

IN\_SYS ----- C3d.-C5d.SYSTOLIC BP-INTERIM TX

type: numeric (float)  
 range: [59,204] units: 1  
 unique values: 115 coded missing: 196 / 4409  
 mean: 113.399  
 std. dev: 16.9807  
 percentiles:           10%       25%       50%       75%       90%  
                           93       101       112       122       135

IN\_DIA ----- C3d.-C5d.DIASTOLIC BP-INTERIM TX

type: numeric (float)

range: [20,118]

units: 1

unique values: 87

coded missing: 198 / 4409

mean: 67.0826

std. dev: 12.2111

percentiles:	10%	25%	50%	75%	90%
	52	60	67	74	82

## TRANSFUSION MONITORING FORM – CODEBOOK FM43DATD

PUB\_ID ----- SUBJECT ID  
 type: numeric (float)  
 range: [16,529] units: 1  
 unique values: 34 coded missing: 0 / 56  
 mean: 276.232  
 std. dev: 167.193  
 percentiles: 10% 25% 50% 75% 90%  
 41 129.5 306.5 425 505

VISNUM ----- VISIT NUMBER (SEE FOOTER ON FORM)  
 type: string (str2)  
 unique values: 18 coded missing: 0 / 56  
 tabulation: Freq. Value  
 11 "P1"  
 5 "P2"  
 6 "P3"  
 3 "P4"  
 3 "P5"  
 3 "P6"  
 2 "P7"  
 1 "P9"  
 1 "PA"  
 1 "PD"  
 1 "PE"  
 1 "PG"  
 1 "PJ"  
 1 "PK"  
 1 "PL"  
 1 "PN"  
 10 "T1"  
 4 "T2"

## VISNUM:

1. This form is used at transfusion visits (T1, T2, P1, P2, etc.). See 'Transfusion Numbering' in README.DOC.

UNIT\_ID ----- C8a.-C9a.UNIT NUMBER VOLUME TRANSFUSED  
 type: string (str12), but longest is str9  
 unique values: 49 coded missing: 7 / 56  
 examples: "2845640"  
 "42FT60727"  
 "42Y84738"  
 "K41066"



PERC\_VOL ----- C8b.-C9b.PERCENT VOLUME TRANSFUSED

type: numeric (float)  
label: PERC\_VOL

range: [1,4] units: 1  
unique values: 4 coded missing: 7 / 56

tabulation:	Freq.	Numeric	Label
	38	1	1:75-99%
	5	2	2:50-74%
	3	3	3:25-49%
	3	4	4:<25%

PER\_REAS ----- C8c.-C9c.REASON PERCENT VOLUME LT 100

type: string (str50)

unique values: 29 coded missing: 11 / 56

examples: ""  
"NO REASON GIVEN IN CHART"  
"NO REASON LISTED"  
"NONE LISTED"

warning: variable has embedded blanks