

Section A: CSSCD Phase 1
7.2.0: Acute Chest Syndrome (ACS) Overview

A. CSSCD Forms (collection) and Datasets (storage) Relating to Event

| Form # | Name of Form | Collected | Patient Population | SAS Dataset |
|---------------|--|-----------------------|---|--------------------|
| 32 | Acute Chest Syndrome | 03/01/79- 07/01/85 | All | R32.SD2 |
| | | 07/01/85- 06/01/86 | All patients < 6 years & non-HbSS ≥ 6 years | |
| | | 06/01/86- 12/31/86 | All non-HbSS patients entered at < 6 months of age until age 6. | |
| 32E | Acute Chest Syndrome – Form II | 07/01/85- 12/31/86 | HbSS patients ≥ 6 years | R43.SD2 |
| 53 | Comprehensive Special Event Form for Patients Entered at < 6 Months of Age | 01/01/87 | Patients entered at < 6 months of age. | R53.SD2 |
| -- | “Acute Chest Syndrome Summary” | 03/01/79- 09/30/88 | All – includes summary information about ACS events reported on Forms 32, 32E, 48 & 53 | R63.SD2 |
| 33 | Acute Chest Syndrome Flow Sheet | 03/01/79- 12/31/86 | All long-form (Form 32) Acute Chest Syndrome events if patient hospitalized or seen daily | R33.SD2 |
| 52 | Acute Event Treatment Follow-up | 03/01/79- 12/31/86 | All long-form (Form 32) Acute Chest Syndrome events if patient not hospitalized or seen daily for event <u>or</u> patient hospitalized prior to use of 09/30/80 version of Form 33 | R52.SD2 |

B. Definition of the Event:

Acute Chest Syndrome: (See Sections 7.2.1, 7.2.2, & 7.2.4)

1. a new pulmonary infiltrate which is demonstrable on a chest x-ray or by an isotope scan of the lungs, or

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7.2.0: Acute Chest Syndrome (ACS) Overview

2. evidence of pleuritic chest pain, with or without dyspnea, in the absence of a pulmonary infiltrate on the chest x-ray. If pleuritic pain is limited to the chest and chest films are negative, then a perfusion lung scan is required.

Any episodes where the chest films, scan and other pertinent tests did not indicate a new lesion were to be followed as painful crisis [Form 30 – See Section 7.1.0].

7.2.1: Acute Chest Syndrome – Form 32

| | | | | |
|----|---------------------------------|-----------------------|--|----------------|
| | | | daily | |
| 52 | Acute Event Treatment Follow-up | 03/01/79- 12/31/86 | All long-form (Form 32) Acute Chest Syndrome events if patient not hospitalized or seen daily for event <u>or</u> patient hospitalized prior to use of 09/30/80 version of Form 33 | R52.SD2 |

B. Definition of the Event:

Acute Chest Syndrome: (See Sections 7.2.1, 7.2.2, & 7.2.4)

1. a new pulmonary infiltrate which is demonstrable on a chest x-ray or by an isotope scan of the lungs, or
2. evidence of pleuritic chest pain, with or without dyspnea, in the absence of a pulmonary infiltrate on the chest x-ray. If pleuritic pain is limited to the chest and chest films are negative, then a perfusion lung scan is required.

Any episodes where the chest films, scan and other pertinent tests did not indicate a new lesion were to be followed as painful crisis [Form 30 – See Section 7.1.0].

- A. List of variables deleted **F32DATE F32INIT F32NDATE F32LASTU F32LASTE
F32ESTAT F32VDATE F32DFC F32FCB F32WHEN F32BLDD F32WHZD
F32CGHD F32FEVD F32CHLD F32PHLD F32SHRD F32PEB F32LABDT**
- B. List of variables modified **NONE**
- C. List of variables modified with a name change **NONE**
- D. Old name
- E. New name
- F. List of variables modified date to days since DOE
- G. Old name **F32DATE F32WHEN F32BLDD F32WHZD F32CGHD
F32FEVD F32CHLD F32PHLD F32SHRD**
- H. New name **JF32DATE JF32WHEN JF32BLDD JF32WHZD JF32CGHD
JF32FEVD JF32CHLD JF32PHLD JF32SHRD**
- I. Collection Information:

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Form 32 (Acute Chest Syndrome) was completed each time a study patient presented at a study participant clinic, emergency room, or hospital with an on-going acute chest syndrome (per definition – See 7.2.0)

Any episode not adhering to the criteria for acute chest syndrome was to be treated as a painful crisis (See Section 7.1.0).

J. Data Collection Period: 03/79 – 12/86

Form 32 was used between 03/01/79 and 07/01/85 for all patients. After 07/01/85, Form 32 continued to be used for all patients < 6 years of age and all non-HbSS patients \geq 6 years of age until 06/01/86. From 06/01/86 to 12/31/86, the form was used for 1) all non-HbSS patients entered at < 6 months of age and 2) HbSS patients entered at < 6 months of age until age 6 only. A shortened version of the form (Form 32E) was used to collect acute chest syndrome information on HbSS patients \geq 6 years of age after 07/01/85.

K. Form Version Dates: 03/01/79, 05/02/79, 09/25/80, 03/17/82

L. Files Used to Store Information:

SAS System File: **R32.SD2**

Format File: **R32.FMT**

E. Unique Record Identifiers: **ANONID, F32DATE**

F. Number of Observations (Patients) in SAS Dataset: 1,919 (1,021)

G. Contents of SAS Dataset:

- Alphabetical Listing of Variables: See pp. 188-190
- Listing of Variables by Position: See pp. 191-193

H. Notes About Selected Variables:

- **F32TRANS, F32TRNS** – These two variables, due to version differences, collect similar information. However, neither is complete by itself, due to differences in dates of collection. Taken in concert, a positive answer for *either* of these two questions indicates that the patient was transfused within the six months preceding the event.
- **F32CBCWB** – is the CBC White Blood Cell Count variable assumed to be “uncorrected” in relation to nucleated red blood cells (nRBCs). There is a

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- question as to whether clinics uniformly adhered to this recording policy, and there is no way of knowing whether the values recorded on the form are in fact uncorrected.
- **F32NRB** – is the Nucleated Red Blood Cell variable. The field length here is 2-digits. If there were more than 100 nRBCs/100 WBC then a value of 99 is entered.
 - **WBC Differential Variables** – When any of the following (**F32DFPMN**, **F32DFBND**, **F32DFEOS**, **F32DFBAS**, **F32DFLYM**, **F32DFMON**, **F32DFATC**, **F32DFMM**) are recorded, then the sum of the entire set should be 100. Some of these variables are entered as missing, when the value in fact should be “0”. If the sum of differential variables with non-missing values is 100, then the missing values among that sum are assumed to be 0.
 - **F32PERF** – for binary variables usually the highest numbers in the sequence is the “NO” value. For this variable “NO” was coded as “0” on forms entered before 04/26/82.

I. Computed Variables:

- **F32FLOWS** – is the number of follow-up hospitalization or “flow” sheets, in this case Form 33 sheets, associated with a given Form 32. It was derived by linking “Record 33” with “Record 32” by date (**F33DATE=F32DATE**) patient first sought care, and counting the number of forms that linked up.
- **F32DHOSP** – is the number of days that data were collected on hospitalized acute chest events. The number was derived by linking “Record 32” with all “Record 33s” at that date sought care (**F32DATE** with **F33DATE**) and counting all the mo/day variables that are not missing for a given hospital stay (i.e., will equate with # of days hospitalized when forms are filled in correctly).
- **F32FRM52** – is the type code associated with a Form 52 (Acute Event Treatment Follow-up) with the same date as the ACS event (**F52DATE**, **F32DATE**). **F32FRM52** was made equal to the value of **F52TYPE** of the Form 52 with the same date sought care. If the value of **F32FRM52=33**, treatment follow-up information will be in the “Record 33” with the same date rather than in a “Record 52”.

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J. Inter-Relationship with Other Datasets:

Acute Chest Syndrome data were also collected on

| Phase 1 Forms | SAS Dataset |
|----------------------|--------------------|
| Form 32E | R43.SD2 |
| Form 53 | R53.SD2 |
| ----- | R63.SD2 |

[See Sections 7.2.2, 7.2.4, & 7.9]

It was decided that enough detailed acute chest syndrome data had been gathered on HbSS patients ≥ 6 years of age by 07/01/85. At that point, a “shortened” version of Form 32 was designed for this group of patients—Form 32E—Acute Chest Syndrome Form II. Form 32 continued to be used for all non-HbSS patients and all HbSS patients < 6 years of age.

Form 32E, which contains only the most rudimentary facts pertaining to a given acute chest event (date, associated events, hospitalized (?), transfused (?), infiltrate (?), number of lobes, final diagnosis, and ICDA codes), was used to record acute chest events for HbSS patients ≥ 6 years of age after July 1, 1985. Form 32E was used for acute chest events for this group of patients though 12/31/86. Thereafter, 01/01/87 – 09/30/88, additional acute chest events are documented of Form 53, The Comprehensive Special Event Form for Patients Entered at < 6 Months of Age. Form 32E data are stored in **R43.SD2**.

Form 53, The Comprehensive Special Event Form For Patients Entered at < 6 Months of Age, stored in **R53.SD2**, was used to continue collection of acute chest event information from 01/01/87 through the end of the Phase 1 study.

Analysis of acute chest syndrome rates must take into account ACS data stored in all 3 data sets: **R32.SD2**, **R43.SD2**, and **R53.SD2**. To facilitate obtaining counts of ACS events throughout Phase 1, the dataset **R63.SD2** (See Section 7.2.4) includes summary information for events from all 3 datasets.

2. Follow-up and treatment information were collected on

| Phase 1 Forms | SAS Dataset |
|----------------------|--------------------|
| Form 33 | R33.SD2 |
| Form 52 | R52.SD2 |

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Both of the above mentioned records should be linked to the appropriate acute chest event “Record 32” by the date of the acute chest event (i.e., if **F33DATE=F32DATE**, or if **F52DATE=F32DATE**).

- a. Form 33 is the Acute Chest Syndrome Flow Sheet. Form 33 data are stored in **R33.SD2**. The form was completed if the patient was either hospitalized or seen on a daily basis as an outpatient for an acute chest syndrome event. It contains daily and summary information from day 2 of hospitalization for the event, through discharge. Each “Record” 33 contains 6 days of hospital information, so consequently, multiple “Record” 33s could exist for a given acute chest syndrome event, dependent on length of stay.

“Record” 33s are sorted by **ANONID**, **F33DATE**, and **F33SHEET** (flow sheet number). Therefore, information for hospital days 2-7 should be on **F33SHEET=1**; days 8-13 on **F33SHEET=2**, etc.

Form 33 was used in conjunction with Form 32 to describe hospitalized acute chest events. Form 33 version 09/30/80 contains the medication and resolution of symptoms information normally found on Form 52 (see below), but versions before this date do not. So for all acute chest events which occurred before the implementation of Form 33 version 09/30/80, Form 32 must be linked to Form 52 for medication and resolution of symptom information (i.e., if **F52DATE=F32DATE**) and also must link to Form 33 for daily laboratory values (i.e., if **F33DATE=F32DATE**).

Form 33 was not completed in conjunction with the shortened acute chest syndrome form (Form 32E).

- b. Form 52 is the Acute Event Treatment Follow-up form stored in **R52.SD2** that was used to collect summary non-hospitalization information for acute chest events reported on Form 32 and summary resolution and final diagnosis information for all acute chest events occurring before use of the 09/30/80 version of Form 33. It does not record daily or laboratory data, since these are hospitalization values. However, the information it does collect on treatment, resolution of symptoms, and diagnosis is corollary to that collected on the 09/30/80 version of Form 33 for hospitalized events.

This form was used from the inception of the project to record

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follow-up information for all types of acute events. In order to link a specific “Record 32” with a “Record 52”, the date patient first sought care is used (i.e., **F52DATE=F32DATE**). When **F32FRM52=31** or **F32FRM52=33** then treatment information is stored in **R31.SD2** or **R33.SD2** respectively, rather than **R52.SD2**. “Record 32” should be linked by date to “Record 31” or “Record 33” for treatment, resolution of symptoms, and diagnostic data (e.g., if **F32FRM52=31** then **F31DATE=F32DATE** or if **F32FRM52=33** then **F33DATE=F32DATE**).

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ACUTE CHEST SYNDROME

CSSCD FULL COHORT PATIENTS

CONTENTS OF SAS DATASET: R32.SD2

DATA FROM CSSCD FORM 32 - ACUTE CHEST SYNDROME

VARIABLES ARE LISTED IN ALPHABETICAL ORDER AND IN ORDER OF THEIR POSITION

IN THE SAS DATASET AND ON FORM 32

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| | | | |
|---------------------|------------------------------------|----------------------|------|
| Data Set Name | OUT1.R32 | Observations | 1919 |
| Member Type | DATA | Variables | 81 |
| Engine | V9 | Indexes | 0 |
| Created | 15:37 Wednesday, November 29, 2006 | Observation Length | 648 |
| Last Modified | 15:37 Wednesday, November 29, 2006 | Deleted Observations | 0 |
| Protection | | Compressed | NO |
| Data Set Type | | Sorted | NO |
| Label | | | |
| Data Representation | WINDOWS | | |
| Encoding | wlatin1 Western (Windows) | | |

Engine/Host Dependent Information

| | |
|----------------------------|--------------|
| Data Set Page Size | 16384 |
| Number of Data Set Pages | 78 |
| First Data Page | 1 |
| Max Obs per Page | 25 |
| Obs in First Data Page | 8 |
| Number of Data Set Repairs | 0 |
| File Name | r32.sas7bdat |
| Release Created | 9.0000M0 |
| Host Created | XP_PRO |

Alphabetic List of Variables and Attributes

| # | Variable | Type | Len | Label |
|----|----------|------|-----|------------------------------|
| 1 | ANONID | Char | 8 | ANONYMIZED ID # |
| 69 | F32ANGIO | Num | 8 | ANGIOGRAM DONE |
| 66 | F32BGPCO | Num | 8 | BLOOD GASES PCO2 |
| 67 | F32BGPH | Num | 8 | BLOOD GASES PH |
| 65 | F32BGPO2 | Num | 8 | BLOOD GASES PO2 |
| 68 | F32BGTMP | Num | 8 | TEMPERATURE WHEN BLOOD DRAWN |
| 49 | F32BLCL1 | Num | 8 | BLOOD MICROBIOLOGY CULTURE |
| 50 | F32BLCL2 | Num | 8 | BLOOD MICROBIOLOGY CULTURE |
| 7 | F32BLD | Num | 8 | SPITTING UP BLOOD |
| 48 | F32BLRBN | Num | 8 | TOTAL BILIRUBIN |
| 30 | F32CBCHB | Num | 8 | CBC HB |
| 31 | F32CBCHC | Num | 8 | CBC HCT |
| 35 | F32CBCMH | Num | 8 | CBC MCH |
| 34 | F32CBCMV | Num | 8 | CBC MCV |
| 32 | F32CBCRB | Num | 8 | CBC RBC |
| 33 | F32CBCWB | Num | 8 | CBC WBC |
| 9 | F32CGH | Num | 8 | COUGH |
| 11 | F32CHL | Num | 8 | CHILLS |

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FORM 32

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ACUTE CHEST SYNDROME

CSSCD FULL COHORT PATIENTS

| | | | | |
|----|----------|-----|---|-----------------------------|
| 6 | F32COUGH | Num | 8 | COUGH WHEN TAKING BREATH |
| 18 | F32DAY1 | Num | 8 | DAYS ON MEDICATION |
| 19 | F32DAY2 | Num | 8 | DAYS ON MEDICATION |
| 20 | F32DAY3 | Num | 8 | DAYS ON MEDICATION |
| 42 | F32DFATC | Num | 8 | DIFFERENTIAL ATYPICAL CELLS |
| 39 | F32DFBAS | Num | 8 | DIFFERENTIAL BASOPHILS |
| 37 | F32DFBND | Num | 8 | DIFFERENTIAL BANDS |
| 38 | F32DFEOS | Num | 8 | DIFFERENTIAL EOSINOPHILS |
| 40 | F32DFLYM | Num | 8 | DIFFERENTIAL LYMPHOCYTES |

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CSSCD FULL COHORT PATIENTS

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Alphabetic List of Variables and Attributes

| # | Variable | Type | Len | Label |
|----|----------|------|-----|--|
| 43 | F32DFMM | Num | 8 | DIFFERENTIAL METAMYELOCYTES MYELOCYTES |
| 41 | F32DFMON | Num | 8 | DIFFERENTIAL MONOCYTES |
| 36 | F32DFPMN | Num | 8 | DIFFERENTIAL PMN |
| 72 | F32DHOSP | Num | 8 | NUMBER OF DAYS HOSPITALIZED |
| 2 | F32EVENT | Num | 8 | ASSOCIATED EVENTS |
| 10 | F32FEV | Num | 8 | FEVER |
| 70 | F32FLOWS | Num | 8 | NUMBER OF FLOWSHEETS |
| 71 | F32FRM52 | Num | 8 | IS THERE A 52 ON THE DATABASE |
| 54 | F32GRAM1 | Num | 8 | GRAM STAIN ORGANISM |
| 55 | F32GRAM2 | Num | 8 | GRAM STAIN ORGANISM |
| 56 | F32GRAM3 | Num | 8 | GRAM STAIN ORGANISM |
| 57 | F32GRAM4 | Num | 8 | GRAM STAIN ORGANISM |
| 3 | F32HOSP | Num | 8 | HOSPITALIZED |
| 45 | F32LNGIN | Num | 8 | LUNG INFILTRATE |
| 27 | F32LOWXL | Num | 8 | LOWER EXTREMETIES LEFT |
| 28 | F32LOWXR | Num | 8 | LOWER EXTREMITIES RIGHT |
| 26 | F32LUNG | Num | 8 | TYPE OF LUNG PROBLEM |
| 14 | F32MED | Num | 8 | PRIOR MEDICATION FOR EPISODE? |
| 15 | F32MED1 | Num | 8 | PRIOR MEDICATIONS |
| 16 | F32MED2 | Num | 8 | PRIOR MEDICATIONS |
| 17 | F32MED3 | Num | 8 | PRIOR MEDICATIONS |
| 44 | F32NRB | Num | 8 | NUCLEATED RED BLOOD CELLS |
| 53 | F32OCL | Num | 8 | OTHER CULTURE |
| 29 | F32OPHYS | Num | 8 | OTHER PHYSICAL FINDINGS |
| 5 | F32PAIN | Num | 8 | IS THERE PAIN OR DISCOMFORT |
| 47 | F32PERF | Num | 8 | LOCATION OF PERFUSION DEFECT |
| 12 | F32PHL | Num | 8 | COUGHED UP PHLEGM |
| 46 | F32PLEFF | Num | 8 | PLEURAL EFFUSION |
| 58 | F32PMN | Num | 8 | PMN |
| 24 | F32PULSE | Num | 8 | PULSE BEATS PER MINUTE |
| 25 | F32RESP | Num | 8 | RESPIRATION BREATHS PER MINUTE |
| 13 | F32SHR | Num | 8 | SHORTNESS OF BREATH |
| 51 | F32SPCL1 | Num | 8 | SPUTUM MICROBIOLOGY CULTURE |
| 52 | F32SPCL2 | Num | 8 | SPUTUM MICROBIOLOGY CULTURE |
| 63 | F32THCL1 | Num | 8 | THORACENTESIS CULTURE |
| 64 | F32THCL2 | Num | 8 | THORACENTESIS CULTURE |
| 62 | F32THGLU | Num | 8 | THORACENTESIS GLUCOSE |
| 61 | F32THPRO | Num | 8 | THORACENTESIS PROTEIN |
| 60 | F32THRBC | Num | 8 | THORACENTESIS RBC |
| 59 | F32THWBC | Num | 8 | THORACENTESIS WBC |
| 22 | F32TMP | Num | 8 | TEMPERATURE |
| 23 | F32TMPH | Num | 8 | HOW TEMPERATURE TAKEN |
| 4 | F32TRANS | Num | 8 | TRANSFUSED IN LAST SIX MONTHS |
| 21 | F32TRNS | Num | 8 | TRANSFUSED AS PRIOR TREATMENT |
| 8 | F32WHZ | Num | 8 | WHEEZING |
| 75 | JF32BLDD | Num | 8 | DATE SPITTING UP BLOOD - RECODE DAYS SINCE DOE |

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ACUTE CHEST SYNDROME

CSSCD FULL COHORT PATIENTS

| | | | | |
|----|----------|-----|---|--|
| 77 | JF32CGHD | Num | 8 | DATE COUGH - RECODE DAYS SINCE DOE |
| 79 | JF32CHLD | Num | 8 | DATE CHILLS - RECODE DAYS SINCE DOE |
| 73 | JF32DATE | Num | 8 | DATE FIRST SOUGHT CARE - RECODE DAYS SINCE DOE |
| 78 | JF32FEVD | Num | 8 | DATE FEVER - RECODE DAYS SINCE DOE |
| 80 | JF32PHLD | Num | 8 | DATE COUGHED UP PHLEGM - RECODE DAYS SINCE DOE |
| 81 | JF32SHRD | Num | 8 | DATE SHORTNESS OF BREATH - RECODE DAYS SINCE DOE |
| 74 | JF32WHEN | Num | 8 | WHEN PAIN BEGAN - RECODE DAYS SINCE DOE |
| 76 | JF32WHZD | Num | 8 | DATE WHEEZING - RECODE DAYS SINCE DOE |

* R32.FMT contains value labels for numerical codes assigned to categorical*

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FORM 32

CODEBOOK FOR CSSCD FORM 32

ACUTE CHEST SYNDROME

CSSCD FULL COHORT PATIENTS

* variables in the SAS dataset R32.SD2 *

* SIR/DBMS 2.2 SAS PROC STEP FROM DATABASE: CSSCD 11/04/98 10:49:40;

PROC FORMAT;

* FORMAT NO_YES used for the following variables: F32HOSP F32TRANS F32COUGH
F32MED F32TRNS;

VALUE NO_YES

1 = 'NO'
2 = 'YES';

VALUE F32PAIN

4 = 'NO PAIN'
1 = 'YES MILD'
2 = 'YES MODERATE'
3 = 'YES SEVERE';

* FORMAT SYMPT used for the following variables: F32BLD F32WHZ F32CGH F32FEV
F32CHL F32PHL F32SHR;

VALUE SYMPT

1 = 'NO'
2 = 'DK'
3 = 'YES';

VALUE F32TMPH

1 = 'ORAL'
2 = 'RECTAL';

VALUE F32LUNG

0 = 'NO FINDINGS(0)'
1 = 'RALES(1)'
2 = 'RHONCHI(2)'
4 = 'PERCUSSION DULLNES(4)'
8 = 'WHEEZING(8)'
16 = 'NO FINDINGS(16)';

* FORMAT LEXTR used for the following variables: F32LOWXL F32LOWXR;

VALUE LEXTR

0 = 'NO SYMPTOMS(0)'

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ACUTE CHEST SYNDROME

CSSCD FULL COHORT PATIENTS

| | |
|----|----------------------|
| 1 | = 'WARMTH(1)' |
| 2 | = 'TENDERNESS(2)' |
| 4 | = 'HOMAN'S SIGN(4)' |
| 8 | = 'PALPABLE CORD(8)' |
| 16 | = 'NO SYMPTOMS(16)'; |

VALUE F32OPHYS

| | |
|---|--------------------|
| 1 | = 'NO' |
| 2 | = 'YES' |
| 3 | = 'YES SPECIFIED'; |

VALUE F32LNGIN

| | |
|----|----------------------|
| 0 | = 'NO(0)' |
| 1 | = 'LEFT UPPER(1)' |
| 2 | = 'LEFT LINGULA(2)' |
| 4 | = 'LEFT LOWER(4)' |
| 8 | = 'RIGHT UPPER(8)' |
| 16 | = 'RIGHT MIDDLE(16)' |
| 32 | = 'RIGHT LOWER(32)' |
| 64 | = 'NO(64)'; |

VALUE F32PERF

| | |
|----|----------------------|
| 0 | = 'NO(0)' |
| 1 | = 'LEFT UPPER(1)' |
| 2 | = 'LEFT LINGULA(2)' |
| 4 | = 'LEFT LOWER(4)' |
| 8 | = 'RIGHT UPPER(8)' |
| 16 | = 'RIGHT MIDDLE(16)' |
| 32 | = 'RIGHT LOWER(32)' |
| 64 | = 'NOT DONE(64)'; |

VALUE F32PLEFF

| | |
|---|-----------------------|
| 1 | = 'ABSENT' |
| 2 | = 'PRESENT UNSP.' |
| 3 | = '<= .5 CM' |
| 4 | = '>.5 CM AND <=4 CM' |
| 5 | = '>4 CM'; |

* FORMAT F32SPCLF used for the following variables: F32SPCL1 F32SPCL2;

VALUE F32SPCLF

| | |
|----|---------------|
| -1 | = 'NEGATIVE'; |
|----|---------------|

* FORMAT F32GRAMF used for the following variables: F32GRAM1 F32GRAM2

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CSSCD FULL COHORT PATIENTS

F32GRAM3 F32GRAM4;

VALUE F32GRAMF

10 = 'GRAM POSITIVE DIPLOCOCCI'
100 = 'GRAM POSITIVE COCCI'
400 = 'GRAM NEGATIVE RODS'
9999 = 'OTHER';

VALUE F32PMN

1 = 'ABSENT'
2 = 'PRESENT UNSP.'
3 = 'MANY'
4 = 'MODERATE'
5 = 'SCANTY';

VALUE F32ANGIO

1 = 'DONE'
2 = 'NOT DONE';

* FORMAT

F32HOSP F32TRANS F32COUGH F32MED F32TRNS NO_YES.
F32PAIN F32PAIN.
F32BLD F32WHZ F32CGH F32FEV F32CHL F32PHL F32SHR SYMPT.
F32TMPH F32TMPH.
F32LUNG F32LUNG.
F32LOWXL F32LOWXR LEXTR.
F32OPHYS F32OPHYS.
F32LNGIN F32LNGIN.
F32PLEFF F32PLEFF.
F32PERF F32PERF.
F32SPCL1-F32SPCL2 F32SPCLF.
F32GRAM1-F32GRAM4 F32GRAMF.
F32PMN F32PMN.
F32ANGIO F32ANGIO.;

RUN;
QUIT;

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 CSSCD FULL COHORT PATIENTS

F32VDATE ----- VERSION DATE **DELETED**

type: numeric (int)
 label: datelab
 range: [6999,8111] units: 1
 unique values: 4 coded missing: 0 / 1919

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|----------|
| | 244 | 6999 | 03/01/79 |
| | 7 | 7061 | 05/02/79 |
| | 943 | 7573 | 09/25/80 |
| | 725 | 8111 | 03/17/82 |

F32EVNT1 ----- ASSOCIATED EVENT CODE 1

type: numeric (float)
 range: [30,90] units: 1
 unique values: 16 coded missing: 1755 / 1919

| tabulation: | | | |
|-------------|-------|-------|-------|
| Freq. | Value | Freq. | Value |
| 2 | 30 | 7 | 46 |
| 1 | 31 | 51 | 48 |
| 2 | 32 | 1 | 49 |
| 23 | 33 | 23 | 54 |
| 2 | 36 | 1 | 62 |
| 5 | 38 | 1 | 83 |
| 1 | 40 | 39 | 84 |
| 2 | 42 | 3 | 90 |

F32EVNT1:

1. Computed variable: F32EVNT1 = int(F32EVENT/1000000), NOT saved in the .SD2 file.
2. See Appendix L for event form codes.

F32EVNT2 ----- ASSOCIATED EVENT CODE 2

type: numeric (float)
 range: [0,90] units: 1
 unique values: 14 coded missing: 1755 / 1919

| tabulation: | | | |
|-------------|-------|-------|-------|
| Freq. | Value | Freq. | Value |
| 101 | 0 | 10 | 49 |
| 1 | 31 | 10 | 52 |
| 3 | 33 | 2 | 54 |
| 1 | 42 | 1 | 62 |
| 1 | 45 | 1 | 83 |
| 3 | 46 | 21 | 84 |
| 8 | 48 | 1 | 90 |

F32EVNT2:

1. Computed variable: F32EVNT2 = int((F32EVENT - F32EVNT1*1000000)/10000), NOT saved in the .SD2 file.
2. See Appendix L for event form codes.

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F32EVNT3 ----- ASSOCIATED EVENT CODE 3

type: numeric (float)
 range: [0,84] units: 1
 unique values: 10 coded missing: 1755 / 1919

| tabulation: | Freq. | Value |
|-------------|-------|-------|
| | 143 | 0 |
| | 1 | 32 |
| | 2 | 33 |
| | 2 | 46 |
| | 3 | 48 |
| | 1 | 49 |
| | 3 | 52 |
| | 3 | 54 |
| | 1 | 62 |
| | 5 | 84 |

F32EVNT3:

1. Computed variable: F32EVNT3 = int((F32EVENT - F32EVNT1*1000000 - F32EVNT2*10000)/100), NOT saved in the .SD2 file.
2. See Appendix L for event form codes.

F32EVNT4 ----- ASSOCIATED EVENT CODE 4

type: numeric (float)
 range: [0,96] units: 1
 unique values: 10 coded missing: 1755 / 1919

| tabulation: | Freq. | Value |
|-------------|-------|-------|
| | 154 | 0 |
| | 1 | 32 |
| | 1 | 48 |
| | 1 | 52 |
| | 1 | 56 |
| | 1 | 60 |
| | 2 | 84 |
| | 1 | 88 |
| | 1 | 92 |
| | 1 | 96 |

F32EVNT4:

1. Computed variable: F32EVNT4 = (F32EVENT - F32EVNT1*1000000 - F32EVNT2*10000 - F32EVNT3*100), NOT saved in the .SD2 file.
2. See Appendix L for event form codes.

F32HOSP ----- HOSPITALIZED

type: numeric (float)
 label: F32HOSP
 range: [1,2] units: 1
 unique values: 2 coded missing: 6 / 1919

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-------|
| | 91 | 1 | NO |
| | 1822 | 2 | YES |

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F32TRANS ----- TRANSFUSED IN LAST SIX MONTHS

type: numeric (float)

label: F32TRANS

range: [1,2]

units: 1

unique values: 2

coded missing: 595 / 1919

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-------|
| | 1094 | 1 | NO |
| | 230 | 2 | YES |

F32TRANS:

1. Not applicable for version 03/01/79 and not entered before 04/26/82.
See variable F32TRNS.

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F32PAIN ----- IS THERE PAIN OR DISCOMFORT

type: numeric (float)
label: F32PAIN

range: [1,4] units: 1
unique values: 4 coded missing: 149 / 1919

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|--------------|
| | 127 | 1 | YES MILD |
| | 499 | 2 | YES MODERATE |
| | 367 | 3 | YES SEVERE |
| | 777 | 4 | NO PAIN |

F32COUGH ----- COUGH WHEN TAKING BREATH

type: numeric (float)
label: F32COUGH

range: [1,2] units: 1
unique values: 2 coded missing: 161 / 1919

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-------|
| | 851 | 1 | NO |
| | 907 | 2 | YES |

F32BLD ----- SPITTING UP BLOOD

type: numeric (float)
label: F32BLD

range: [1,3] units: 1
unique values: 3 coded missing: 14 / 1919

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-------|
| | 1849 | 1 | NO |
| | 6 | 2 | DK |
| | 50 | 3 | YES |

F32WHZ ----- WHEEZING

type: numeric (float)
label: F32WHZ

range: [1,3] units: 1
unique values: 3 coded missing: 17 / 1919

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-------|
| | 1652 | 1 | NO |
| | 12 | 2 | DK |
| | 238 | 3 | YES |

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F32CGH ----- COUGH

type: numeric (float)
label: F32CGH

range: [1,3] units: 1
unique values: 3 coded missing: 14 / 1919

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-------|
| | 544 | 1 | NO |
| | 7 | 2 | DK |
| | 1354 | 3 | YES |

F32FEV ----- FEVER

type: numeric (float)
label: F32FEV

range: [1,3] units: 1
unique values: 3 coded missing: 5 / 1919

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-------|
| | 393 | 1 | NO |
| | 27 | 2 | DK |
| | 1494 | 3 | YES |

F32CHL ----- CHILLS

type: numeric (float)
label: F32CHL

range: [1,3] units: 1
unique values: 3 coded missing: 29 / 1919

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-------|
| | 1544 | 1 | NO |
| | 45 | 2 | DK |
| | 301 | 3 | YES |

F32PHL ----- COUGHED UP PHLEGM

type: numeric (float)
label: F32PHL

range: [1,3] units: 1
unique values: 3 coded missing: 16 / 1919

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-------|
| | 1453 | 1 | NO |
| | 22 | 2 | DK |
| | 428 | 3 | YES |

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F32SHR ----- SHORTNESS OF BREATH

type: numeric (float)
 label: F32SHR

range: [1,3] units: 1
 unique values: 3 coded missing: 314 / 1919

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-------|
| | 1126 | 1 | NO |
| | 22 | 2 | DK |
| | 457 | 3 | YES |

F32SHR:

1. Not applicable for version 03/01/79.

F32MED ----- PRIOR MEDICATION FOR EPISODE?

type: numeric (float)
 label: F32MED

range: [1,2] units: 1
 unique values: 2 coded missing: 29 / 1919

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-------|
| | 690 | 1 | NO |
| | 1200 | 2 | YES |

F32MED1 ----- PRIOR MEDICATIONS

type: numeric (float)

range: [3,999] units: 1
 unique values: 24 coded missing: 1715 / 1919

tabulation:

| Freq. | Value | Freq. | Value |
|-------|-------|-------|-------|
| 5 | 3 | 1 | 323 |
| 2 | 25 | 1 | 337 |
| 5 | 28 | 4 | 371 |
| 1 | 71 | 3 | 375 |
| 1 | 93 | 1 | 382 |
| 3 | 126 | 1 | 420 |
| 1 | 148 | 1 | 434 |
| 2 | 152 | 1 | 443 |
| 1 | 170 | 12 | 480 |
| 135 | 171 | 2 | 481 |
| 2 | 196 | 1 | 554 |
| 1 | 249 | 17 | 999 |

F32MED1:

1. See Appendix D for medication codes.

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F32DAY1 ----- DAYS ON MEDICATION

type: numeric (float)

range: [0,9] units: 1

unique values: 10 coded missing: 1747 / 1919

tabulation: Freq. Value

| | |
|----|---|
| 1 | 0 |
| 42 | 1 |
| 33 | 2 |
| 26 | 3 |
| 16 | 4 |
| 15 | 5 |
| 8 | 6 |
| 8 | 7 |
| 5 | 8 |
| 18 | 9 |

F32MED2 ----- PRIOR MEDICATIONS

type: numeric (float)

range: [3,999] units: 1

unique values: 45 coded missing: 1486 / 1919

tabulation:

| Freq. | Value | Freq. | Value |
|-------|-------|-------|-------|
| 1 | 3 | 1 | 306 |
| 1 | 11 | 1 | 311 |
| 1 | 12 | 1 | 319 |
| 1 | 24 | 1 | 320 |
| 33 | 25 | 1 | 338 |
| 177 | 28 | 2 | 344 |
| 2 | 56 | 1 | 361 |
| 3 | 67 | 4 | 367 |
| 8 | 94 | 31 | 369 |
| 1 | 102 | 7 | 370 |
| 1 | 121 | 47 | 371 |
| 1 | 122 | 1 | 387 |
| 1 | 123 | 1 | 397 |
| 1 | 126 | 1 | 420 |
| 1 | 171 | 1 | 471 |
| 23 | 231 | 7 | 480 |
| 1 | 249 | 1 | 487 |
| 4 | 259 | 4 | 541 |
| 1 | 271 | 9 | 554 |
| 1 | 298 | 8 | 562 |
| 4 | 299 | 1 | 575 |
| 1 | 300 | 2 | 998 |
| | | 32 | 999 |

F32MED2:

1. See Appendix D for medication codes.
2. Patients may have indicated only one or all three depending on the type(s) of medication.

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F32DAY3 ----- DAYS ON MEDICATION

type: numeric (float)

range: [1,9]

units: 1

unique values: 9

coded missing: 1030 / 1919

tabulation:

| Freq. | Value |
|-------|-------|
| 310 | 1 |
| 214 | 2 |
| 106 | 3 |
| 65 | 4 |
| 40 | 5 |
| 18 | 6 |
| 32 | 7 |
| 20 | 8 |
| 84 | 9 |

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F32TRNS ----- TRANSFUSED AS PRIOR TREATMENT

type: numeric (float)
label: F32TRNS

range: [1,2] units: 1
unique values: 2 coded missing: 503 / 1919

tabulation: Freq. Numeric Label
1181 1 NO
235 2 YES

F32TRNS:

1. Not applicable for version 03/17/82. See variable F32TRANS.

F32TMP ----- TEMPERATURE

type: numeric (float)

range: [35.5,44.9] units: .1
unique values: 57 coded missing: 16 / 1919

mean: 38.4596
std. dev: 1.03267

percentiles: 10% 25% 50% 75% 90%
37.1 37.7 38.5 39.2 39.8

F32TMPH ----- HOW TEMPERATURE TAKEN

type: numeric (float)
label: F32TMPH

range: [1,2] units: 1
unique values: 2 coded missing: 414 / 1919

tabulation: Freq. Numeric Label
1142 1 ORAL
363 2 RECTAL

F32TMPH:

1. Response required only if value was given for F32TMP.
2. Not applicable for version 03/01/79 and not entered before 07/21/81.

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F32PULSE ----- PULSE BEATS PER MINUTE
type: numeric (float)
range: [48,272] units: 1
unique values: 69 coded missing: 37 / 1919
mean: 118.174
std. dev: 24.7489
percentiles: 10% 25% 50% 75% 90%
88 100 120 136 150

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F32RESP ----- RESPIRATION BREATHS PER MINUTE
 type: numeric (float)
 range: [10,99] units: 1
 unique values: 49 coded missing: 59 / 1919
 mean: 31.9919
 std. dev: 12.2945
 percentiles: 10% 25% 50% 75% 90%
 20 24 28 40 48

F32LUNG ----- TYPE OF LUNG PROBLEM
 type: numeric (float)
 label: F32LUNG
 range: [0,16] units: 1
 unique values: 17 coded missing: 8 / 1919

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-----------------------|
| | 6 | 0 | NO FINDINGS(0) |
| | 366 | 1 | RALES(1) |
| | 80 | 2 | RHONCHI(2) |
| | 76 | 3 | |
| | 155 | 4 | PERCUSSION DULLNES(4) |
| | 237 | 5 | |
| | 32 | 6 | |
| | 44 | 7 | |
| | 45 | 8 | WHEEZING(8) |
| | 50 | 9 | |
| | 19 | 10 | |
| | 26 | 11 | |
| | 11 | 12 | |
| | 32 | 13 | |
| | 6 | 14 | |
| | 27 | 15 | |
| | 699 | 16 | NO FINDINGS(16) |

F32LUNG:

1. Binary coded variable. See Part II for explanation of binary coded variables.

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F32LOWXL ----- LOWER EXTREMITIES LEFT

type: numeric (float)
 label: F32LOWXL
 range: [0,16] units: 1
 unique values: 12 coded missing: 47 / 1919

tabulation:

| Freq. | Numeric | Label | Freq. | Numeric | Label |
|-------|---------|------------------|-------|---------|-----------------|
| 374 | 0 | NO SYMPTOMS(0) | 3 | 9 | |
| 190 | 1 | WARMTH(1) | 4 | 10 | |
| 27 | 2 | TENDERNESS(2) | 1 | 12 | |
| 29 | 3 | | 3 | 13 | |
| 0 | 4 | HOMAN'S SIGN(4) | 3 | 14 | |
| 1 | 7 | | 47 | 15 | |
| 0 | 8 | PALPABLE CORD(8) | 1190 | 16 | NO SYMPTOMS(16) |

F32LOWXL:

1. Not applicable for version 03/01/79.
2. Binary coded variable. See Part II for explanation of binary coded variables.

F32LOWXR ----- LOWER EXTREMITIES RIGHT

type: numeric (float)
 label: F32LOWXR
 range: [0,16] units: 1
 unique values: 12 coded missing: 47 / 1919

tabulation:

| Freq. | Numeric | Label | Freq. | Numeric | Label |
|-------|---------|------------------|-------|---------|-----------------|
| 386 | 0 | NO SYMPTOMS(0) | 3 | 9 | |
| 188 | 1 | WARMTH(1) | 4 | 10 | |
| 21 | 2 | TENDERNESS(2) | 1 | 12 | |
| 25 | 3 | | 3 | 13 | |
| 0 | 4 | HOMAN'S SIGN(4) | 4 | 14 | |
| 1 | 6 | | 45 | 15 | |
| 0 | 8 | PALPABLE CORD(8) | 1191 | 16 | NO SYMPTOMS(16) |

F32LOWXR:

1. Not applicable for version 03/01/79.
2. Binary coded variable. See Part II for explanation of binary coded variables.

F32OPHYS ----- OTHER PHYSICAL FINDINGS

type: numeric (float)
 label: F32OPHYS
 range: [1,3] units: 1
 unique values: 3 coded missing: 1553 / 1919

tabulation:

| Freq. | Numeric | Label |
|-------|---------|---------------|
| 206 | 1 | NO |
| 159 | 2 | YES |
| 1 | 3 | YES SPECIFIED |

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F32CBCHB ----- CBC HB

type: numeric (float)
 range: [2.3,15.9] units: .1
 unique values: 108 coded missing: 52 / 1919
 mean: 8.19946
 std. dev: 1.71595

 percentiles: 10% 25% 50% 75% 90%
 6.2 7 8 9.2 10.4

F32CBCHC ----- CBC HCT

type: numeric (float)
 range: [6.3,43.1] units: .1
 unique values: 269 coded missing: 24 / 1919
 mean: 24.3407
 std. dev: 5.35862

 percentiles: 10% 25% 50% 75% 90%
 18.3 20.7 23.8 27.5 31.6

F32CBCRB ----- CBC RBC

type: numeric (float)
 range: [.5,6.9] units: .01
 unique values: 344 coded missing: 168 / 1919
 mean: 2.84641
 std. dev: .794458

 percentiles: 10% 25% 50% 75% 90%
 1.96 2.26 2.71 3.32 3.91

F32CBCWB ----- CBC WBC

type: numeric (float)
 range: [2.4,89] units: .1
 unique values: 371 coded missing: 48 / 1919
 mean: 20.3844
 std. dev: 8.82358

 percentiles: 10% 25% 50% 75% 90%
 11.1 14.5 19 24.6 31.1

F32CBCWB:

1. Assumed to be 'uncorrected' in relation to nucleated RBCs.

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F32BCMV ----- CBC MCV
 type: numeric (float)
 range: [54,117] units: 1
 unique values: 59 coded missing: 168 / 1919
 mean: 87.0714
 std. dev: 9.8969
 percentiles: 10% 25% 50% 75% 90%
 74 81 88 94 99

F32BCMH ----- CBC MCH
 type: numeric (float)
 range: [20.1,35] units: .1
 unique values: 146 coded missing: 379 / 1919
 mean: 29.2225
 std. dev: 3.45009
 percentiles: 10% 25% 50% 75% 90%
 24.05 26.75 29.7 31.9 33.6

F32DFPMN ----- DIFFERENTIAL PMN
 type: numeric (float)
 range: [4,94] units: 1
 unique values: 84 coded missing: 123 / 1919
 mean: 62.0212
 std. dev: 15.7782
 percentiles: 10% 25% 50% 75% 90%
 41 53 64 73 80

F32DFBND ----- DIFFERENTIAL BANDS
 type: numeric (float)
 range: [0,73] units: 1
 unique values: 40 coded missing: 418 / 1919
 mean: 4.95203
 std. dev: 6.73867
 percentiles: 10% 25% 50% 75% 90%
 0 1 3 7 13

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F32DFE0S ----- DIFFERENTIAL EOSINOPHILS

type: numeric (float)

range: [0,28] units: 1
unique values: 20 coded missing: 172 / 1919

mean: 1.41786
std. dev: 2.45847

| | | | | | |
|--------------|-----|-----|-----|-----|-----|
| percentiles: | 10% | 25% | 50% | 75% | 90% |
| | 0 | 0 | 0 | 2 | 4 |

F32DFBAS ----- DIFFERENTIAL BASOPHILS

type: numeric (float)

range: [0,34] units: 1
unique values: 16 coded missing: 216 / 1919

mean: .397534
std. dev: 1.62997

| | | | | | |
|--------------|-----|-----|-----|-----|-----|
| percentiles: | 10% | 25% | 50% | 75% | 90% |
| | 0 | 0 | 0 | 0 | 1 |

F32DFLYM ----- DIFFERENTIAL LYMPHOCYTES

type: numeric (float)

range: [0,95] units: 1
unique values: 80 coded missing: 126 / 1919

mean: 24.6247
std. dev: 14.7165

| | | | | | |
|--------------|-----|-----|-----|-----|-----|
| percentiles: | 10% | 25% | 50% | 75% | 90% |
| | 8 | 14 | 22 | 33 | 44 |

F32DFMON ----- DIFFERENTIAL MONOCYTES

type: numeric (float)

range: [0,32] units: 1
unique values: 29 coded missing: 146 / 1919

mean: 6.93683
std. dev: 4.53547

| | | | | | |
|--------------|-----|-----|-----|-----|-----|
| percentiles: | 10% | 25% | 50% | 75% | 90% |
| | 2 | 4 | 6 | 10 | 13 |

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F32DFATC ----- DIFFERENTIAL ATYPICAL CELLS

type: numeric (float)

range: [0,21] units: 1
 unique values: 16 coded missing: 232 / 1919

mean: .440427
 std. dev: 1.42877

| | | | | | |
|--------------|-----|-----|-----|-----|-----|
| percentiles: | 10% | 25% | 50% | 75% | 90% |
| | 0 | 0 | 0 | 0 | 1 |

F32DFMM ----- DIFFERENTIAL METAMYELOCYTES|MYELOCYTES

type: numeric (float)

range: [0,10] units: 1
 unique values: 9 coded missing: 253 / 1919

mean: .20048
 std. dev: .716615

| | | | | | |
|--------------|-----|-----|-----|-----|-----|
| percentiles: | 10% | 25% | 50% | 75% | 90% |
| | 0 | 0 | 0 | 0 | 1 |

F32NRB ----- NUCLEATED RED BLOOD CELLS

type: numeric (float)

range: [0,99] units: 1
 unique values: 73 coded missing: 190 / 1919

mean: 5.53094
 std. dev: 13.8455

| | | | | | |
|--------------|-----|-----|-----|-----|-----|
| percentiles: | 10% | 25% | 50% | 75% | 90% |
| | 0 | 0 | 1 | 4 | 14 |

F32NRB:

1. If value more than 100nRBCs/100WBCs, then value of 99 entered.

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F32LNGIN ----- LUNG INFILTRATE
 type: numeric (float)
 label: F32LNGIN
 range: [0,64] units: 1
 unique values: 49 coded missing: 12 / 1919

tabulation:

| Freq. | Numeric | Label | Freq. | Numeric | Label |
|-------|---------|------------------|-------|---------|-----------------|
| 6 | 0 | NO(0) | 366 | 32 | RIGHT LOWER(32) |
| 63 | 1 | LEFT UPPER(1) | 2 | 33 | |
| 29 | 2 | LEFT LINGULA(2) | 6 | 34 | |
| 6 | 3 | | 1 | 35 | |
| 464 | 4 | LEFT LOWER(4) | 228 | 36 | |
| 13 | 5 | | 1 | 37 | |
| 16 | 6 | | 8 | 38 | |
| 5 | 7 | | 2 | 39 | |
| 118 | 8 | RIGHT UPPER(8) | 14 | 40 | |
| 12 | 9 | | 8 | 44 | |
| 2 | 10 | | 1 | 45 | |
| 16 | 12 | | 1 | 46 | |
| 1 | 13 | | 65 | 48 | |
| 174 | 16 | RIGHT MIDDLE(16) | 2 | 49 | |
| 5 | 17 | | 2 | 50 | |
| 8 | 18 | | 17 | 52 | |
| 28 | 20 | | 1 | 53 | |
| 2 | 21 | | 6 | 54 | |
| 2 | 22 | | 1 | 55 | |
| 24 | 24 | | 7 | 56 | |
| 2 | 25 | | 4 | 60 | |
| 1 | 27 | | 2 | 61 | |
| 9 | 28 | | 1 | 62 | |
| 1 | 31 | | 7 | 63 | |
| | | | 147 | 64 | NO(64) |

F32LNGIN:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F32PLEFF ----- PLEURAL EFFUSION
 type: numeric (float)
 label: F32PLEFF
 range: [1,5] units: 1
 unique values: 5 coded missing: 244 / 1919

tabulation:

| Freq. | Numeric | Label |
|-------|---------|-------------------|
| 1411 | 1 | ABSENT |
| 76 | 2 | PRESENT UNSP. |
| 120 | 3 | <= .5 CM |
| 58 | 4 | >.5 CM AND <=4 CM |
| 10 | 5 | >4 CM |

F32PLEFF:

1. Not applicable for version 03/01/79 and not entered before 04/26/82.

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F32PERF ----- LOCATION OF PERFUSION DEFECT

type: numeric (float)
 label: F32PERF
 range: [0,64] units: 1
 unique values: 12 coded missing: 539 / 1919

tabulation:

| Freq. | Numeric | Label | Freq. | Numeric | Label |
|-------|---------|-----------------|-------|---------|------------------|
| 282 | 0 | NO(0) | 1 | 10 | |
| 0 | 1 | LEFT UPPER(1) | 2 | 16 | RIGHT MIDDLE(16) |
| 0 | 2 | LEFT LINGULA(2) | 4 | 32 | RIGHT LOWER(32) |
| 8 | 4 | LEFT LOWER(4) | 7 | 36 | |
| 1 | 7 | | 3 | 48 | |
| 1 | 8 | RIGHT UPPER(8) | 1 | 63 | |
| 1 | 9 | | 1069 | 64 | NOT DONE(64) |

F32PERF:

1. Binary coded variable. See Part II for explanation of binary coded variables.
2. 'NO' was coded as '0' on forms entered before 04/26/82.
3. Location of perfusion defect is based on lung scans which were optional tests, unless they were used for entry to the study.

F32BLRBN ----- TOTAL BILIRUBIN

type: numeric (float)
 range: [.1,54] units: .1
 unique values: 129 coded missing: 1122 / 1919

mean: 3.98407
 std. dev: 4.10734

percentiles: 10% 25% 50% 75% 90%
 1 1.7 2.9 4.9 7.8

F32BLCL1 ----- BLOOD MICROBIOLOGY CULTURE

type: numeric (float)
 range: [-1,9000] units: 1
 unique values: 19 coded missing: 1832 / 1919

tabulation:

| Freq. | Value | Freq. | Value |
|-------|-------|-------|-------|
| 18 | -1 | 1 | 404 |
| 4 | 110 | 1 | 405 |
| 8 | 120 | 1 | 410 |
| 3 | 130 | 1 | 411 |
| 1 | 160 | 1 | 412 |
| 31 | 170 | 7 | 1200 |
| 1 | 202 | 1 | 1300 |
| 1 | 203 | 1 | 2100 |
| 4 | 401 | 1 | 5130 |
| | | 1 | 9000 |

F32BLCL1:

1. See Appendix H for pathogen codes.

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F32BLCL2 ----- BLOOD MICROBIOLOGY CULTURE

type: numeric (float)
 range: [301,1200] units: 1
 unique values: 2 coded missing: 1916 / 1919

tabulation: Freq. Value
 1 301
 2 1200

F32BLCL2:

1. See Appendix H for pathogen codes.

F32SPCL1 ----- SPUTUM MICROBIOLOGY CULTURE

type: numeric (float)
 label: F32SPCL1
 range: [100,9999] units: 1
 unique values: 20 coded missing: 1788 / 1919

tabulation:

| Freq. | Numeric | Label | Freq. | Numeric | Label |
|-------|---------|-------|-------|---------|-------|
| 3 | 100 | | 2 | 401 | |
| 1 | 106 | | 1 | 408 | |
| 31 | 110 | | 3 | 410 | |
| 1 | 120 | | 1 | 412 | |
| 15 | 130 | | 1 | 800 | |
| 5 | 140 | | 1 | 1070 | |
| 8 | 160 | | 7 | 1200 | |
| 17 | 170 | | 3 | 1300 | |
| 2 | 202 | | 16 | 9000 | |
| 1 | 301 | | 12 | 9999 | |

F32SPCL1:

1. See Appendix H for pathogen codes.

F32SPCL2 ----- SPUTUM MICROBIOLOGY CULTURE

type: numeric (float)
 label: F32SPCL2
 range: [110,9999] units: 1
 unique values: 12 coded missing: 1881 / 1919

tabulation:

| Freq. | Numeric | Label | Freq. | Numeric | Label |
|-------|---------|-------|-------|---------|-------|
| 3 | 110 | | 4 | 1200 | |
| 1 | 130 | | 4 | 1300 | |
| 1 | 140 | | 1 | 1400 | |
| 3 | 160 | | 1 | 6100 | |
| 1 | 400 | | 13 | 9000 | |
| 1 | 407 | | 5 | 9999 | |

F32SPCL2:

1. See Appendix H for pathogen codes.

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ACUTE CHEST SYNDROME - PAGE 5
CSSCD FULL COHORT PATIENTS

F32GRAM2 ----- GRAM STAIN ORGANISM

 type: numeric (float)
 label: F32GRAM2

 range: [10,9999] units: 1
unique values: 9 coded missing: 1892 / 1919

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|--------------------------|
| | 1 | 10 | GRAM POSITIVE DIPLOCOCCI |
| | 8 | 100 | GRAM POSITIVE COCCI |
| | 1 | 110 | |
| | 1 | 202 | |
| | 2 | 400 | GRAM NEGATIVE RODS |
| | 1 | 401 | |
| | 1 | 1200 | |
| | 7 | 9000 | |
| | 5 | 9999 | OTHER |

F32GRAM2:

1. See Appendix H for pathogen codes.
2. Required only if sputum samples was obtainable.

F32GRAM3 ----- GRAM STAIN ORGANISM

 type: numeric (float)
 label: F32GRAM3

 range: [100,9000] units: 1
unique values: 6 coded missing: 1909 / 1919

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|---------------------|
| | 1 | 100 | GRAM POSITIVE COCCI |
| | 1 | 120 | |
| | 1 | 202 | |
| | 1 | 300 | |
| | 3 | 400 | GRAM NEGATIVE RODS |
| | 3 | 9000 | |

F32GRAM3:

1. See Appendix H for pathogen codes.
2. Required only if sputum samples was obtainable.

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ACUTE CHEST SYNDROME - PAGE 5
CSSCD FULL COHORT PATIENTS

F32GRAM4 ----- GRAM STAIN ORGANISM

type: numeric (float)
label: F32GRAM4

range: [160,9999] units: 1
unique values: 3 coded missing: 1913 / 1919

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-------|
| | 1 | 160 | |
| | 2 | 9000 | |
| | 3 | 9999 | OTHER |

F32GRAM4:

1. See Appendix H for pathogen codes.
2. Required only if sputum samples was obtainable.

F32PMN ----- PMN

type: numeric (float)
label: F32PMN

range: [1,5] units: 1
unique values: 4 coded missing: 1664 / 1919

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|----------|
| | 113 | 1 | ABSENT |
| | 45 | 3 | MANY |
| | 45 | 4 | MODERATE |
| | 52 | 5 | SCANTY |

F32PMN:

1. See Appendix H for pathogen codes.
2. Required only if sputum samples was obtainable.

CODEBOOK FOR CSSCD FORM 32
ACUTE CHEST SYNDROME - PAGE 6
 CSSCD FULL COHORT PATIENTS

F32THGLU ----- THORACENTESIS GLUCOSE

 type: numeric (float)
 range: [0,446] units: 1
 unique values: 31 coded missing: 1881 / 1919

 mean: 117.895
 std. dev: 62.9409

 percentiles: 10% 25% 50% 75% 90%
 82 93 108 137 156

F32THGLU:

1. Required only if F32PLEFF \geq 2.

F32THCL1 ----- THORACENTESIS CULTURE

 type: numeric (float)
 range: [140,170] units: 10
 unique values: 3 coded missing: 1916 / 1919

 tabulation: Freq. Value
 1 140
 1 160
 1 170

F32THCL1:

1. Required only if F32PLEFF \geq 2.

F32THCL2 ----- THORACENTESIS CULTURE

 type: numeric (float)
 range: [301,301] units: 1
 unique values: 1 coded missing: 1918 / 1919

 tabulation: Freq. Value
 1 301

F32THCL2:

1. Required only if F32PLEFF \geq 2.

F32BGP02 ----- BLOOD GASES PO2

 type: numeric (float)
 range: [8,99] units: 1
 unique values: 72 coded missing: 1448 / 1919

 mean: 70.0446
 std. dev: 17.1024

 percentiles: 10% 25% 50% 75% 90%
 47 60 70 81 96

F32BGP02:

1. Not applicable for version 03/01/79.
2. Required only if patients \geq 20 years of age, while at rest, sitting, breathing room air.

CODEBOOK FOR CSSCD FORM 32
ACUTE CHEST SYNDROME - PAGE 6
 CSSCD FULL COHORT PATIENTS

F32BGPCO ----- BLOOD GASES PCO2

type: numeric (float)
 range: [17,91] units: 1
 unique values: 38 coded missing: 1437 / 1919

mean: 34.3568
 std. dev: 6.71403

| | | | | | |
|--------------|-----|-----|-----|-----|-----|
| percentiles: | 10% | 25% | 50% | 75% | 90% |
| | 27 | 30 | 34 | 37 | 41 |

F32BGPCO:

1. Not applicable for version 03/01/79.
2. Required only if patients \geq 20 years of age, while at rest, sitting, breathing room air.

F32BGPH ----- BLOOD GASES PH

type: numeric (float)
 range: [4.4,7.8] units: .1
 unique values: 9 coded missing: 1432 / 1919

mean: 7.41684
 std. dev: .157801

| | | | | | |
|--------------|-----|-----|-----|-----|-----|
| percentiles: | 10% | 25% | 50% | 75% | 90% |
| | 7.4 | 7.4 | 7.4 | 7.5 | 7.5 |

F32BGPH:

1. Not applicable for version 03/01/79.
2. Required only if patients \geq 20 years of age, while at rest, sitting, breathing room air.

F32BGTMP ----- TEMPERATURE WHEN BLOOD DRAWN

type: numeric (float)

range: [35.8,41.1] units: .1
 unique values: 45 coded missing: 1520 / 1919

mean: 38.1511
 std. dev: .929361

| | | | | | |
|--------------|-----|------|------|------|------|
| percentiles: | 10% | 25% | 50% | 75% | 90% |
| | 37 | 37.4 | 38.1 | 38.9 | 39.3 |

F32BGTMP:

1. Not applicable for version 03/01/79.

F32ANGIO ----- ANGIOGRAM DONE

type: numeric (float)
 label: F32ANGIO
 range: [1,2] units: 1
 unique values: 2 coded missing: 674 / 1919

| | | | |
|-------------|-------|---------|----------|
| tabulation: | Freq. | Numeric | Label |
| | 14 | 1 | DONE |
| | 1231 | 2 | NOT DONE |

CODEBOOK FOR CSSCD FORM 32
ACUTE CHEST SYNDROME - COMPUTED VARIABLES
 CSSCD FULL COHORT PATIENTS

F32FLOWS ----- NUMBER OF FLOWSHEETS

type: numeric (float)
 range: [0,12] units: 1
 unique values: 11 coded missing: 0 / 1919

tabulation:

| Freq. | Value | Freq. | Value |
|-------|-------|-------|-------|
| 169 | 0 | 9 | 5 |
| 1062 | 1 | 2 | 6 |
| 557 | 2 | 2 | 7 |
| 87 | 3 | 2 | 8 |
| 27 | 4 | 1 | 10 |
| | | 1 | 12 |

F32FLOWS:

1. See section on computed variables.

F32FRM52 ----- IS THERE A 52 ON THE DATABASE

type: numeric (float)
 range: [0,48] units: 1
 unique values: 8 coded missing: 0 / 1919

tabulation:

| | |
|-------|-------|
| Freq. | Value |
| 105 | 0 |
| 19 | 30 |
| 2 | 31 |
| 220 | 32 |
| 1558 | 33 |
| 1 | 42 |
| 1 | 44 |
| 13 | 48 |

F32FRM52:

1. See section on computed variables.

F32DHOSP ----- NUMBER OF DAYS HOSPITALIZED

type: numeric (float)
 range: [0,73] units: 1
 unique values: 39 coded missing: 100 / 1919

tabulation:

| Freq. | Value | Freq. | Value |
|-------|-------|-------|-------|
| 70 | 0 | 22 | 15 |
| 27 | 1 | 14 | 16 |
| 83 | 2 | 6 | 17 |
| 199 | 3 | 1 | 30 |
| 213 | 4 | 1 | 32 |
| 230 | 5 | 1 | 35 |
| 281 | 6 | 1 | 38 |
| 132 | 7 | 14 | 18 |
| 134 | 8 | 7 | 19 |
| | | 6 | 20 |
| | | 6 | 21 |
| | | 3 | 22 |
| | | 4 | 23 |
| 108 | 9 | 5 | 24 |
| 78 | 10 | 4 | 25 |
| 75 | 11 | 3 | 27 |
| 47 | 12 | | |
| 16 | 13 | | |

7.2.2: Acute Chest Syndrome Form II - Form 32E

F32DHOSP:

1. See section on computed variables.

_dta:

1. Created 7/14/99.

A. List of variables deleted **F43DATE F43INIT F43NDATE F43LASTU F43LASTE
F43ESTAT F43VDATE F43DFC F43FCB**

B. List of variables modified **NONE**

C. List of variables modified with a name change **NONE**

D. Old name

E. New name

F. List of variables modified date to days since DOE

G. Old name **F43DATE**

H. New name **JF43DATE**

I. Collection Information:

Form 32E (Acute Chest Syndrome Form II) is a short version of Form 32 documenting only the patient's visit date, hospitalization and transfusion status, infiltrate location, and final diagnosis occurring in HbSS patients ≥ 6 years of age. This insured completeness in calculating rates of events (counts), but cut off recording of hospitalization variables.

Form 32E (Acute Chest Syndrome Form II), like form 32 was completed each time a HbSS study patient ≥ 6 years of age presented at a study participant clinic, emergency room, or hospital with an acute chest syndrome event (per definition – See Section 7.2.0).

Any episode not adhering to the criteria for acute chest syndrome was to be treated as a painful crisis (See Section 7.1.0).

J. Data Collection Period: 07/85 – 12/86

Form 32E was used between 07/01/85 through 05/31/86 to collect information about events for HbSS patients ≥ 6 years of age. It continued to be used through 12/31/86 for HbSS patients ≥ 6 years of age who were entered at < 6 months of age.

K. Form Version Dates: 06/19/85

L. Files Used to Store Information:

SAS System File: **R43.SD2**

7.2.2: Acute Chest Syndrome Form II - Form 32E

Format File: **R43.FMT**

Note: Some records in this dataset are for 1) events of non-HbSS patients or 2) events of HbSS patients < 6 years of age – i.e., Form 32, rather than Form 32E, should have been used to report these events.

M. Unique Record Identifiers: **ANONID, F43DATE**

N. Number of Observations (Patients) in SAS Dataset: 220 (183)

O. Contents of SAS Dataset:

- Alphabetical Listing of Variables: See pp. 226-227
- Listing of Variables by Position: See pp. 227

P. Notes About Selected Variables:

- **F43ICDA1-F43ICDA4** – The set up of the final diagnosis question on Form 32E implies that the variable **F43ICDA1** would correspond to “Pneumonia”, **F43ICDA2** to “Pulmonary Infarction”, **F43ICDA3** to “Pulmonary Embolism”, and **F43ICDA4** to “Other” ICD codes. However, in truth, the data entry protocol entered any and all of the diagnostic codes to any and all of the available variables indiscriminately.

Consequently, the easiest way of dealing with the final diagnosis variables is as a group. If any of the **F43ICDA1-F43ICDA4** variables, associated with a given event, is equal to a discrete ICD code, then assume the ICD code corresponds to one of the disorders which constitute the final diagnosis.

Q. Computed Variables: None

R. Inter-Relationship with Other Datasets:

Acute Chest Syndrome event data were also collected on

| Phase I Forms | SAS Dataset |
|----------------------|--------------------|
| Form 32 | R32.SD2 |
| Form 53 | R53.SD2 |
| ----- | R63.SD2 |

[See Sections 7.2.1, 7.2.4, & 7.9]

Form 32 is a long version containing complete laboratory measurements and complete background information [See Section 7.2.1], and was used between 03/01/79 and 07/01/85 to report all acute chest events. It continued to be used from

7.2.2: Acute Chest Syndrome Form II - Form 32E

07/01/85 through 12/31/86 for all non-HbSS patients and for HbSS patients until age 6. After 07/01/85, Form 32E was used for reporting ACS events in patients ≥ 6 years of age. From 01/01/87 through 09/30/88, ACS events were reported on Form 53, the Comprehensive Special Event Form for Patients Entered at < 6 Months of Age (See Section 7.9).

The SAS dataset **R63.SD2** includes summary information for all ACS events reported throughout Phase I (See Section 7.2.3). The variable **F63FORM** stores the form number (32, 43(32E), 48, 53) that was the source for the data.

Completion of separate follow-up and treatment forms (Forms 33 and/or 52) was *NOT* required for events reported on Form 32E.

CODEBOOK FOR CSSCD FORM 32E
ACUTE CHEST SYNDROME FORM II
 CSSCD FULL COHORT PATIENTS

The SAS System

10:44 Thursday, December 7, 2006 4

The CONTENTS Procedure

| | | | |
|---------------------|------------------------------------|----------------------|-----|
| Data Set Name | OUT1.R43 | Observations | 220 |
| Member Type | DATA | Variables | 17 |
| Engine | V9 | Indexes | 0 |
| Created | 17:10 Wednesday, November 29, 2006 | Observation Length | 136 |
| Last Modified | 17:10 Wednesday, November 29, 2006 | Deleted Observations | 0 |
| Protection | | Compressed | NO |
| Data Set Type | | Sorted | NO |
| Label | | | |
| Data Representation | WINDOWS | | |
| Encoding | wlatin1 Western (Windows) | | |

Engine/Host Dependent Information

| | |
|----------------------------|--------------|
| Data Set Page Size | 12288 |
| Number of Data Set Pages | 3 |
| First Data Page | 1 |
| Max Obs per Page | 90 |
| Obs in First Data Page | 68 |
| Number of Data Set Repairs | 0 |
| File Name | r43.sas7bdat |
| Release Created | 9.0000M0 |
| Host Created | XP_PRO |

Alphabetic List of Variables and Attributes

| # | Variable | Type | Len | Label |
|----|----------|------|-----|--|
| 1 | ANONID | Char | 8 | ANONYMIZED ID # |
| 8 | F43CXRAY | Num | 8 | PULMONARY INFILTRATE ON CHEST X-RAY |
| 7 | F43DAYHP | Num | 8 | NUMBER OF DAYS HOSPITALIZED |
| 11 | F43DIAG | Num | 8 | FINAL DIAGNOSIS |
| 2 | F43EVENT | Num | 8 | SPECIAL EVENT FORM FILLED OUT? |
| 3 | F43EVNT1 | Num | 8 | CSSCD EVENT NO. |
| 4 | F43EVNT2 | Num | 8 | CSSCD EVENT NO. |
| 5 | F43EVNT3 | Num | 8 | CSSCD EVENT NO. |
| 6 | F43EVNT4 | Num | 8 | CSSCD EVENT NO. |
| 13 | F43ICDA1 | Num | 8 | ICDA CODE |
| 14 | F43ICDA2 | Num | 8 | ICDA CODE |
| 15 | F43ICDA3 | Num | 8 | ICDA CODE |
| 16 | F43ICDA4 | Num | 8 | ICDA CODE |
| 9 | F43NUMLB | Num | 8 | NUMBER OF LOBES INVOLVED |
| 12 | F43PNORG | Num | 8 | PNEUMONIA ORGANISM |
| 10 | F43TRANS | Num | 8 | TRANSFUSED IN LAST 4 MONTHS |
| 17 | JF43DATE | Num | 8 | DATE PATIENT FIRST SOUGHT CARE - RECODE DAYS SINCE DOE |

CODEBOOK FOR CSSCD FORM 32E
ACUTE CHEST SYNDROME FORM II
CSSCD FULL COHORT PATIENTS

CODEBOOK FOR CSSCD FORM 32E
ACUTE CHEST SYNDROME FORM II
CSSCD FULL COHORT PATIENTS

* R43.FMT contains value labels for numerical codes assigned to
categorical*
* variables in the SAS dataset R43.SD2
*

****;

* SIR/DBMS 2.2 SAS PROC STEP FROM DATABASE: CSSCD 06/11/99 11:40:29;

PROC FORMAT;

PROC FORMAT PRINT;

*FORMAT NO_YES used for the following variables: F43EVENT F43CXRAY
F43TRANS;

VALUE NO_YES

1 = 'NO'
2 = 'YES';

VALUE F43DIAG

1 = 'PNEMONIA'
2 = 'PULMONARY INFARCTION'
3 = 'PULMONARY EMBOLISM'
4 = 'OTHER';

* FORMAT

F43EVENT F43CXRAY
F43TRANS NO_YES.
F43DIAG F43DIAG.;

RUN;
QUIT;

CODEBOOK FOR CSSCD FORM 32E
ACUTE CHEST SYNDROME FORM II
CSSCD FULL COHORT PATIENTS

7.2.3: Acute Chest Syndrome Flow Sheet – Form 33

F43VDATE ----- VERSION DATE **DELETED**

type: numeric daily date (int)

label: datelab

range: [9301,9301] units: 1

or equivalently: [19jun1985,19jun1985] units: days

unique values: 1 coded missing: 0 / 220

| | | | |
|-------------|-------|---------|----------|
| tabulation: | Freq. | Numeric | Label |
| | 220 | 9301 | 06/19/85 |

F43EVENT ----- SPECIAL EVENT FORM FILLED OUT?

type: numeric (float)

label: F43EVENT

range: [1,2] units: 1

unique values: 2 coded missing: 1 / 220

| | | | |
|-------------|-------|---------|-------|
| tabulation: | Freq. | Numeric | Label |
| | 80 | 1 | NO |
| | 139 | 2 | YES |

F43EVNT1 ----- CSSCD EVENT NO.

type: numeric (float)

range: [33,90] units: 1

unique values: 11 coded missing: 86 / 220

| | | |
|-------------|-------|-------|
| tabulation: | Freq. | Value |
| | 1 | 33 |
| | 2 | 34 |
| | 6 | 36 |
| | 2 | 44 |
| | 6 | 46 |
| | 9 | 48 |
| | 1 | 52 |
| | 78 | 54 |
| | 1 | 83 |
| | 23 | 84 |
| | 5 | 90 |

F43EVNT1:

1. Required if another special event form was filled out in association with this event.

F43EVNT2 ----- CSSCD EVENT NO.

7.2.3: Acute Chest Syndrome Flow Sheet – Form 33

range: [46,90] units: 1
unique values: 5 coded missing: 209 / 220

tabulation: Freq. Value
2 46
1 47
4 62
3 84
1 90

F43EVNT4:

1. Required if more than 3 special event forms were filled out in association with this event.

F43DAYHP ----- NUMBER OF DAYS HOSPITALIZED

type: numeric (float)

range: [0,38] units: 1
unique values: 27 coded missing: 5 / 220

mean: 8.43721
std. dev: 5.6299

percentiles: 10% 25% 50% 75% 90%
3 5 7 10 14

F43CXRAY ----- PULMONARY INFILTRATE ON CHEST X-RAY

type: numeric (float)
label: F43CXRAY

range: [1,2] units: 1
unique values: 2 coded missing: 2 / 220

tabulation: Freq. Numeric Label
14 1 NO
204 2 YES

F43NUMLB ----- NUMBER OF LOBES INVOLVED

type: numeric (float)

7.2.3: Acute Chest Syndrome Flow Sheet – Form 33

range: [1,3] units: 1
unique values: 3 coded missing: 29 / 220

tabulation: Freq. Value
127 1
59 2
5 3

F43NUMLB:

1. Required only if F43CXRAY=2.

F43TRANS ----- TRANSFUSED IN LAST 4 MONTHS

type: numeric (float)
label: F43TRANS

range: [1,2] units: 1
unique values: 2 coded missing: 5 / 220

tabulation: Freq. Numeric Label
168 1 NO
47 2 YES

F43DIAG ----- FINAL DIAGNOSIS

type: numeric (float)
label: F43DIAG

range: [1,4] units: 1
unique values: 3 coded missing: 23 / 220

tabulation: Freq. Numeric Label
168 1 PNEUMONIA
21 2 PULMONARY INFARCTION
8 4 OTHER

F43PNORG ----- PNEUMONIA ORGANISM

type: numeric (float)

range: [110,9999] units: 1
unique values: 5 coded missing: 202 / 220

tabulation: Freq. Value
2 110
5 170
1 408
2 9000
8 9999

F43PNORG:

1. See Appendix H - PATHOGEN LIST.

F43ICDA1 ----- ICDA CODE

type: numeric (float)

range: [34,933.19] units: .01

7.2.3: Acute Chest Syndrome Flow Sheet – Form 33

unique values: 12

coded missing: 21 / 220

| tabulation: | Freq. | Value |
|-------------|-------|--------|
| | 1 | 34 |
| | 7 | 282.62 |
| | 1 | 282.66 |
| | 18 | 415.1 |
| | 1 | 466 |
| | 1 | 473 |
| | 160 | 486 |
| | 1 | 490 |
| | 4 | 493.9 |
| | 3 | 511.9 |
| | 1 | 786.52 |
| | 1 | 933.19 |

F43ICDA1:

1. See ICD-9 Codebook for diagnosis codes.

F43ICDA2 ----- ICDA CODE

type: numeric (float)

range: [10.9,560.1] units: .01

unique values: 7 coded missing: 212 / 220

| tabulation: | Freq. | Value |
|-------------|-------|--------|
| | 1 | 10.9 |
| | 1 | 282.6 |
| | 1 | 282.62 |
| | 1 | 376.01 |
| | 1 | 415.1 |
| | 2 | 511.9 |
| | 1 | 560.1 |

F43ICDA2:

1. See ICD-9 Codebook for diagnosis codes.

F43ICDA3 ----- ICDA CODE

type: numeric (float)

range: [34,733.4] units: .01

unique values: 3 coded missing: 217 / 220

7.2.3: Acute Chest Syndrome Flow Sheet – Form 33

```

tabulation:  Freq.   Value
              1      34
              1    282.62
              1    733.4
    
```

F43ICDA3:

1. See ICD-9 Codebook for diagnosis codes.

F43ICDA4 ----- ICDA CODE

```

              type:  numeric (float)

              range:  [282.62,511.9]           units:  .01
unique values:  3                               coded missing:  216 / 220
    
```

```

tabulation:  Freq.   Value
              1      282.62
              1      485
              2      511.9
    
```

F43ICDA4:

1. See ICD-9 Codebook for diagnosis codes.

_dta:

1. Created 06/20/00.

- A. List of variables deleted **F33DATE F33INIT F33NDATE F33LASTU F33LASTE
F33ESTAT F33VDATE F33DTE1-F33DTE6 F33LDTE1 F33LDTE2 F33MDT1-
FEEMDT3
F33HMDT1-F33HMDT3 F33NOSYM**
- B. List of variables modified **NONE**
- C. List of variables modified with a name change **NONE**
- D. Old name
- E. New name
- F. List of variables modified date to days since DOE
- G. Old name **F33DATE F33NOSYM**
- H. New name **JF33DATE J33NOSYM**
- I. Collection Information:

Form 33 (Acute Chest Syndrome Flow Sheet) was completed each time a Form 32 was completed and the patient was hospitalized or seen daily as an outpatient for an Acute Chest Syndrome Event.

7.2.3: Acute Chest Syndrome Flow Sheet – Form 33

The form contains daily and laboratory information from day 2 of hospitalization for the event, through discharge. Each Form 33 contains 6 days of hospital information, so consequently, multiple Form 33s can exist for a given event, dependent on length of stay or outpatient follow-up. Laboratory data are recorded every third hospital day (i.e., days 4, 7, 10, 13, etc.)

Treatment follow-up, medication, resolution of symptoms, and final diagnosis information is also recorded on this form.

J. Date Collection Period: 03/79 – 12/86

The form was used for the entire cohort through 05/86 and continued to be used for the infant cohort through 12/86.

K. Form Version Dates: 03/01/79, 05/02/79, 09/30/80

Not all information from all forms has been retained to the final database. Variables considered unimportant or unusable from early forms have been permanently dropped from the final database. Also, variables not appearing on earlier forms have been added to later versions. Consequently, the codebook coincides closely with the most recent version of Form 33.

L. Files Used to Store Information:

SAS System File: **R33.SD2**

Format File: **R33.FMT**

M. Unique Record Identifiers: **ANONID, F33DATE, F33SHEET**

Records within the dataset are sorted by **ANONID, F33DATE, and F33SHEET**

N. Number of Observations (Patients) in SAS Dataset: 2,686 (961)

O. Contents of SAS Dataset:

- Alphabetical Listing of Variables: See pp. 240-243
- Listing of Variables by Position: See pp. 244-246

P. Notes About Selected Variables:

- **F33DTE1-F33DTE6, F33MDT1-F33MDT3, F33HMDT1-F33HMDT3** – These date variables are recorded as four-digit integers composed of 2-digit month and 2-digit day of follow-up.

7.2.3: Acute Chest Syndrome Flow Sheet – Form 33

- **F33CBWB1, F33CBWB2** – is the CBC White Blood Cell Count variable assumed to be “uncorrected” in relation to nucleated red blood cells (nRBCs). There is question as to whether clinics uniformly adhered to this recording policy, and there is no way of knowing whether the values recorded on the form are in fact uncorrected.
- **WBC Differential Variables** – When any of the following sets (**F33DPMN1, F33DBDN1, F33DEOS1, F33DBAS1, F33DLYM1, F33DMON1, F33DATC1, F33DFMM1**) or (**F33DPMN2, F33DBDN2, F33DEOS2, F33DBAS2, F33DLYM2, F33DMON2, F33DATC2, F33DFMM2**) are recorded, then the sum of the entire set should be 100.

Some of these variables are entered as missing, when the value in fact should be “0”. If the sum of differential variables with non-missing values is 100, the missing values among that sum are assumed to be 0.

- **F33DIAG1–F33DIAG4** – the set-up of the discharge box on the last page of Form 33 implies the following: that 1) it is filled out upon resolution of symptoms, and 2) that the variable **F33DIAG1** would correspond to Pneumonia, **F33DIAG2** to Pulmonary Infarct, **F33DIAG3** to Pulmonary Emboli etc. However, in truth, the final diagnosis indicators may have appeared only on a flow sheet earlier than complete resolution of symptoms, (that is a **F33SHEET** number lower than the last one on the database for that **F33DATE**), and entry protocol entered any and all of the diagnostic codes to any and all of the available variables indiscriminately.

Consequently the easiest way of dealing with the final diagnosis variables is as a group, over all Form 33s completed for the given event date (**F33DATE**). If any of the **F33DIAG1-F33DIAG4** variables, on any of the sheets associated with a given event date is equal to a discrete ICDA code, then assume the ICDA corresponds to one of the disorders which constitute the final diagnosis.

- **F33RALE1-F33RALE6, F33PD1-F33PD6, F33WHZ1-F33WHZ6** – On versions earlier than 09/30/80, there were four response choices: right (1), left (2), both (3), none (4). On version 09/30/80, there were only two: “yes” and “no”; 3 was used as the code for “yes”.
- The following variables were not collected before 09/30/80, and consequently all acute chest follow-up on versions before that date will contain missing values: **F33TRANS, F33MCD1-F33MCD3, F33HMCD1-F33HMCD3, F33MDT1-**

7.2.3: Acute Chest Syndrome Flow Sheet – Form 33

F22MDT3, F33HMDT1-F33HMDT3, F33MND1-F33MND3, F33HMND1-F33HMND3, F33NOSYM, F33COMP, F33INBED, F33MSWRK, F33PNORG, F33DIAG1-F33DIAG4.

These variables, however, are corollary to those that are collected on a Form 52 [See Section 7.10], and the missing information for versions before 09/30/80 can be filled in by linking to the appropriate Form 52.

Q. Computed Variables: None

R. Inter-Relationship with Other Datasets:

- Form 33 contains daily follow-up data for acute chest events reported on Form 32 (**R32.SD2**). “Record 33” is linked to “Record 32” by id (**ANONID**) and date patient sought care (if **F32DATE=F33DATE**).

The number of “Record 33s” which will link with any given “Record 32” is dependent on the length of the hospitalization. If a patient was hospitalized (or seen daily as an outpatient) for 7 days or less, then only “Record 33” should be on the database for the event (**F33SHEET=1**). If a patient was hospitalized for 8-13 days, two “Record 33s” should be on the database, (**F33SHEET=1** for days 2-7; **F33SHEET=2** for days 8-13), etc.

[See Section 7.2.1]

- Acute Chest Syndrome Treatment and Follow-up information was also collected on

| | |
|----------------------|-------------------|
| Phase 1 Forms | QQQQQQ. <u>S</u> |
| | <u>AS Dataset</u> |
| Form 52 | R52.SD2 |

Form 52 is the Acute Event Treatment Follow-up form that was used to collect summary non-hospitalization information for acute chest events when Form 32 was filled out. It does not record daily laboratory data, since these are hospitalization values. It does collect treatment, medications, resolution of symptoms, and diagnosis information that is corollary to that collected on Form 33 version 09/30/80 for hospitalized events. Form 33 versions before 09/30/80 do not record that corollary information, so Form 52 was filled out in conjunction with each acute chest syndrome event before use of the 09/30/80 version of Form 33 to record this information. Consequently, for any acute chest events

7.2.3: Acute Chest Syndrome Flow Sheet – Form 33

before 09/30/80, both Form 33 and Form 52 must be queried to obtain both daily lab values and result of treatment and final diagnosis variables.

Form 52 was used from the inception of the project to record follow-up information for all types of acute events. In order to link a specific “Record 32” with a Record 52 the date patient first sought care is used (i.e., **F52DATE=F32DATE**). When **F32FRM52=31** or **F32FRM52=33** then treatment information is not stored in **R52.SD2**, but rather in **R31.SD2** or **R33.SD2** respectively, and “Record 32” should be linked by date to “Record 31” or “Record 33” for treatment, resolution of symptoms, and diagnostic data (e.g., if **F32FRM52=31**, then **F33DATE=F32DATE** or if **F32FRM52=33** then **F33DATE=F32DATE**).

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ACUTE CHEST SYNDROME FLOW SHEET**

CSSCD FULL COHORT PATIENTS

CONTENTS OF SAS DATASET: R33.SD2

DATA FROM CSSCD FORM 33 - ACUTE CHEST SYNDROME FLOW SHEET
VARIABLES ARE LISTED IN ALPHABETICAL ORDER AND IN ORDER OF THEIR POSITION
IN THE SAS DATASET AND ON FORM 33

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| | | | |
|---------------------|-----------------------------------|----------------------|------|
| Data Set Name | OUT1.R33 | Observations | 2686 |
| Member Type | DATA | Variables | 99 |
| Engine | V9 | Indexes | 0 |
| Created | 11:17 Thursday, November 30, 2006 | Observation Length | 792 |
| Last Modified | 11:17 Thursday, November 30, 2006 | Deleted Observations | 0 |
| Protection | | Compressed | NO |
| Data Set Type | | Sorted | NO |
| Label | | | |
| Data Representation | WINDOWS | | |
| Encoding | wlatin1 Western (Windows) | | |

Engine/Host Dependent Information

| | |
|----------------------------|--|
| Data Set Page Size | 16384 |
| Number of Data Set Pages | 136 |
| First Data Page | 1 |
| Max Obs per Page | 20 |
| Obs in First Data Page | 5 |
| Number of Data Set Repairs | 0 |
| File Name | O:\decastat\EBP\CSSCD\Phase 1 LAD DEV\sd2anon\r33.sas7bdat |
| Release Created | 9.0000M0 |
| Host Created | XP_PRO |

Alphabetic List of Variables and Attributes

| # | Variable | Type | Len | Label |
|----|----------|------|-----|------------------------------|
| 1 | ANONID | Char | 8 | ANONYMIZED ID # |
| 51 | F33CBHB1 | Num | 8 | CBC HB G DL |
| 52 | F33CBHB2 | Num | 8 | CBC HB G DL |
| 53 | F33CBHC1 | Num | 8 | CBC HCT % |
| 54 | F33CBHC2 | Num | 8 | CBC HCT % |
| 55 | F33CBWB1 | Num | 8 | CBC WBC X10NINTH L |
| 56 | F33CBWB2 | Num | 8 | CBC WBC X10NINTH L |
| 21 | F33CHPN1 | Num | 8 | CHEST PAIN |
| 22 | F33CHPN2 | Num | 8 | CHEST PAIN |
| 23 | F33CHPN3 | Num | 8 | CHEST PAIN |
| 24 | F33CHPN4 | Num | 8 | CHEST PAIN |
| 25 | F33CHPN5 | Num | 8 | CHEST PAIN |
| 26 | F33CHPN6 | Num | 8 | CHEST PAIN |
| 90 | F33COMP | Num | 8 | COMPLICATIONS FROM TREATMENT |
| 69 | F33DATC1 | Num | 8 | DIFFERENTIAL ATYPICAL CELLS |
| 70 | F33DATC2 | Num | 8 | DIFFERENTIAL ATYPICAL CELLS |
| 63 | F33DBAS1 | Num | 8 | DIFFERENTIAL BASOPHILS |
| 64 | F33DBAS2 | Num | 8 | DIFFERENTIAL BASOPHILS |
| 59 | F33DBDN1 | Num | 8 | DIFFERENTIAL BANDS |

SECTION 7.2.3 ACUTE CHEST SYNDROME FLOW SHEET

FORM 33

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ACUTE CHEST SYNDROME FLOW SHEET
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| | | | | |
|----|----------|-----|---|--|
| 60 | F33DBDN2 | Num | 8 | DIFFERENTIAL BANDS |
| 61 | F33DEOS1 | Num | 8 | DIFFERENTIAL EOSINOPHILS |
| 62 | F33DEOS2 | Num | 8 | DIFFERENTIAL EOSINOPHILS |
| 71 | F33DFMM1 | Num | 8 | DIFFERENTIAL METAMYELOCYTES MYCLOCYTES |
| 72 | F33DFMM2 | Num | 8 | DIFFERENTIAL METAMYELOCYTES MYCLOCYTES |
| 94 | F33DIAG1 | Num | 8 | ICDA CODE OF FINAL DIAGNOSIS |
| 95 | F33DIAG2 | Num | 8 | ICDA CODE OF FINAL DIAGNOSIS |
| 96 | F33DIAG3 | Num | 8 | ICDA CODE OF FINAL DIAGNOSIS |

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ACUTE CHEST SYNDROME FLOW SHEET
 CSSCD FULL COHORT PATIENTS

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Alphabetic List of Variables and Attributes

| # | Variable | Type | Len | Label |
|----|----------|------|-----|---------------------------------|
| 97 | F33DIAG4 | Num | 8 | ICDA CODE OF FINAL DIAGNOSIS |
| 65 | F33DLYM1 | Num | 8 | DIFFERENTIAL LYMPHOCYTES |
| 66 | F33DLYM2 | Num | 8 | DIFFERENTIAL LYMPHOCYTES |
| 67 | F33DMON1 | Num | 8 | DIFFERENTIAL MONOCYTES |
| 68 | F33DMON2 | Num | 8 | DIFFERENTIAL MONOCYTES |
| 57 | F33DPMN1 | Num | 8 | DIFFERENTIAL PMN |
| 58 | F33DPMN2 | Num | 8 | DIFFERENTIAL PMN |
| 81 | F33HMCD1 | Num | 8 | HOME MEDICATION CODE |
| 82 | F33HMCD2 | Num | 8 | HOME MEDICATION CODE |
| 83 | F33HMCD3 | Num | 8 | HOME MEDICATION CODE |
| 87 | F33HMND1 | Num | 8 | HOME NUMBER DAYS |
| 88 | F33HMND2 | Num | 8 | HOME NUMBER DAYS |
| 89 | F33HMND3 | Num | 8 | HOME NUMBER DAYS |
| 91 | F33INBED | Num | 8 | # OF DAYS STAYED IN BED |
| 73 | F33LNGN1 | Num | 8 | LUNG INFILTRATE |
| 74 | F33LNGN2 | Num | 8 | LUNG INFILTRATE |
| 78 | F33MCD1 | Num | 8 | MEDICATION CODE |
| 79 | F33MCD2 | Num | 8 | MEDICATION CODE |
| 80 | F33MCD3 | Num | 8 | MEDICATION CODE |
| 84 | F33MND1 | Num | 8 | NUMBER DAYS |
| 85 | F33MND2 | Num | 8 | NUMBER DAYS |
| 86 | F33MND3 | Num | 8 | NUMBER DAYS |
| 92 | F33MSWRK | Num | 8 | # OF DAYS MISSED SCHOOL OR WORK |
| 39 | F33PD1 | Num | 8 | PERCUSSION DULLNESS |
| 40 | F33PD2 | Num | 8 | PERCUSSION DULLNESS |
| 41 | F33PD3 | Num | 8 | PERCUSSION DULLNESS |
| 42 | F33PD4 | Num | 8 | PERCUSSION DULLNESS |
| 43 | F33PD5 | Num | 8 | PERCUSSION DULLNESS |
| 44 | F33PD6 | Num | 8 | PERCUSSION DULLNESS |
| 75 | F33PLEF1 | Num | 8 | PLEURAL EFFUSION |
| 76 | F33PLEF2 | Num | 8 | PLEURAL EFFUSION |
| 27 | F33PLPN1 | Num | 8 | PLEURITIC PAIN |
| 28 | F33PLPN2 | Num | 8 | PLEURITIC PAIN |
| 29 | F33PLPN3 | Num | 8 | PLEURITIC PAIN |
| 30 | F33PLPN4 | Num | 8 | PLEURITIC PAIN |
| 31 | F33PLPN5 | Num | 8 | PLEURITIC PAIN |
| 32 | F33PLPN6 | Num | 8 | PLEURITIC PAIN |
| 9 | F33PLSE1 | Num | 8 | PULSE |
| 10 | F33PLSE2 | Num | 8 | PULSE |
| 11 | F33PLSE3 | Num | 8 | PULSE |
| 12 | F33PLSE4 | Num | 8 | PULSE |
| 13 | F33PLSE5 | Num | 8 | PULSE |
| 14 | F33PLSE6 | Num | 8 | PULSE |
| 93 | F33PNORG | Num | 8 | PNEUMONIA ORGANISM |
| 33 | F33RALE1 | Num | 8 | RALES |
| 34 | F33RALE2 | Num | 8 | RALES |
| 35 | F33RALE3 | Num | 8 | RALES |

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| | | | | |
|----|----------|-----|---|------------------------|
| 36 | F33RALE4 | Num | 8 | RALES |
| 37 | F33RALE5 | Num | 8 | RALES |
| 38 | F33RALE6 | Num | 8 | RALES |
| 15 | F33RESP1 | Num | 8 | RESPIRATION PER MINUTE |
| 16 | F33RESP2 | Num | 8 | RESPIRATION PER MINUTE |

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Alphabetic List of Variables and Attributes

| # | Variable | Type | Len | Label |
|----|----------|------|-----|--|
| 17 | F33RESP3 | Num | 8 | RESPIRATION PER MINUTE |
| 18 | F33RESP4 | Num | 8 | RESPIRATION PER MINUTE |
| 19 | F33RESP5 | Num | 8 | RESPIRATION PER MINUTE |
| 20 | F33RESP6 | Num | 8 | RESPIRATION PER MINUTE |
| 2 | F33SHEET | Num | 8 | SHEET NUMBER |
| 3 | F33TMP1 | Num | 8 | TEMPERATURE |
| 4 | F33TMP2 | Num | 8 | TEMPERATURE |
| 5 | F33TMP3 | Num | 8 | TEMPERATURE |
| 6 | F33TMP4 | Num | 8 | TEMPERATURE |
| 7 | F33TMP5 | Num | 8 | TEMPERATURE |
| 8 | F33TMP6 | Num | 8 | TEMPERATURE |
| 77 | F33TRANS | Num | 8 | TRANSFUSED FOR EPISODE? |
| 45 | F33WHZ1 | Num | 8 | WHEEZING |
| 46 | F33WHZ2 | Num | 8 | WHEEZING |
| 47 | F33WHZ3 | Num | 8 | WHEEZING |
| 48 | F33WHZ4 | Num | 8 | WHEEZING |
| 49 | F33WHZ5 | Num | 8 | WHEEZING |
| 50 | F33WHZ6 | Num | 8 | WHEEZING |
| 99 | J33NOSYM | Num | 8 | DATE SYMPTOMS GONE - RECODE DAYS SINCE DOE |
| 98 | JF33DATE | Num | 8 | DATE FIRST SOUGHT CARE - RECODE DAYS SINCE DOE |

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* R33.FMT contains value labels for numerical codes assigned to
categorical *
* variables in the SAS dataset R33.SD2
*

*****;

* SIR/DBMS 2.2 SAS PROC STEP FROM DATABASE: CSSCD 01/31/99 12:54:41;

PROC FORMAT;

* FORMAT LOC_PN is used for the following variables: F33CHPN1-F33CHPN6
F33PLPN1-

F33PLPN6;

| VALUE LOC_PN | |
|--------------|---------------------|
| 0 | = 'NO (0)' |
| 1 | = 'LEFT UPPER (1)' |
| 2 | = 'LEFT LOWER (2)' |
| 4 | = 'RIGHT UPPER (4)' |
| 8 | = 'RIGHT LOWER (8)' |
| 16 | = 'NO (16)'; |

* FORMAT LOC_SYMP is used for the following variables: F33RALE1-
F33RALE6

F33PD1-F33PD6 F33WHZ1-

F33WHZ6;

| VALUE LOC_SYMP | |
|----------------|---------------|
| 0 | = 'NO' |
| 1 | = 'YES RIGHT' |
| 2 | = 'YES LEFT' |
| 3 | = 'YES BOTH' |
| 4 | = 'NO'; |

* FORMAT LUNGINF is used for the following variables: F33LNGN1
F33LNGN2;

| VALUE LUNGINF | |
|---------------|-----------------------|
| 0 | = 'NO (0)' |
| 1 | = 'LEFT UPPER (1)' |
| 2 | = 'LEFT LINGULA (2)' |
| 4 | = 'LEFT LOWER (4)' |
| 8 | = 'RIGHT UPPER (8)' |
| 16 | = 'RIGHT MIDDLE (16)' |
| 32 | = 'RIGHT LOWER (32)' |
| 64 | = 'NO (64)'; |

* FORMAT PLEF is used for the following variables: F33PLEF1 F33PLEF2;

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VALUE PLEF
0 = 'NO'
1 = 'YES, UNSPECIFIED'
2 = 'RIGHT'
3 = 'RIGHT'
4 = 'LEFT'
5 = 'LEFT'
6 = 'BOTH'
7 = 'BOTH'
8 = 'NO';

* FORMAT NO_YES is used for the following variables: F33TRANS F33COMP;

VALUE NO_YES
1 = 'NO'
2 = 'YES';

* FORMAT ILLNESS is used for the following variables: F33INBED
F33MSWRK;

VALUE ILLNESS
-2 = 'NA'
-3 = 'NO'
-4 = 'NOT FILLED IN';

* FORMAT
F33CHPN1 F33CHPN2 F33CHPN3 F33CHPN4 F33CHPN5 F33CHPN6
F33PLPN1 F33PLPN2 F33PLPN3 F33PLPN4 F33PLPN5 F33PLPN6
LOC_PN.
F33RALE1 F33RALE2 F33RALE3 F33RALE4 F33RALE5 F33RALE6
F33PD1 F33PD2 F33PD3 F33PD4 F33PD5 F33PD6
F33WHZ1 F33WHZ2 F33WHZ3 F33WHZ4 F33WHZ5 F33WHZ6 LOC_SYMP.
F33LNGN1 F33LNGN2 LUNGINF.
F33PLEF1 F33PLEF2 PLEF.
F33TRANS F33COMP NO_YES.
F33INBED F33MSWRK ILLNESS.;

RUN;
QUIT;

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F33SHEET ----- SHEET NUMBER

type: numeric (float)
 range: [1,12] units: 1
 unique values: 12 coded missing: 0 / 2686

tabulation:

| Freq. | Value |
|-------|-------|
| 1773 | 1 |
| 695 | 2 |
| 133 | 3 |
| 44 | 4 |
| 17 | 5 |
| 8 | 6 |
| 6 | 7 |
| 4 | 8 |
| 2 | 9 |
| 2 | 10 |
| 1 | 11 |
| 1 | 12 |

F33VDATE ----- VERSION DATE **DELETED**

type: numeric daily date (int)
 label: datelab
 range: [6999,7578] units: 1
 or equivalently: [01mar1979,30sep1980] units: days
 unique values: 3 coded missing: 0 / 2686

tabulation:

| Freq. | Numeric | Label |
|-------|---------|----------|
| 286 | 6999 | 03/01/79 |
| 7 | 7061 | 05/02/79 |
| 2393 | 7578 | 09/30/80 |

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CSSCD FULL COHORT PATIENTS

F33TMP1 ----- TEMPERATURE

type: numeric (float)

range: [35.9,41.4] units: .1
unique values: 51 coded missing: 24 / 2686

mean: 38.139
std. dev: .93457

percentiles: 10% 25% 50% 75% 90%
 37 37.4 38 38.8 39.4

F33TMP2 ----- TEMPERATURE

type: numeric (float)

range: [35.9,41.5] units: .1
unique values: 49 coded missing: 161 / 2686

mean: 37.9839
std. dev: .883031

percentiles: 10% 25% 50% 75% 90%
 37 37.2 37.8 38.6 39.2

F33TMP3 ----- TEMPERATURE

type: numeric (float)

range: [35.9,41.8] units: .1
unique values: 51 coded missing: 405 / 2686

mean: 37.8458
std. dev: .858395

percentiles: 10% 25% 50% 75% 90%
 36.9 37.2 37.7 38.4 39

F33TMP4 ----- TEMPERATURE

type: numeric (float)

range: [35.5,40.6] units: .1
unique values: 49 coded missing: 737 / 2686

mean: 37.7779
std. dev: .840703

percentiles: 10% 25% 50% 75% 90%
 36.9 37.2 37.6 38.3 38.9

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F33TMP5 ----- TEMPERATURE

type: numeric (float)

range: [35.5,41.2] units: .1
unique values: 50 coded missing: 1062 / 2686

mean: 37.6908
std. dev: .801798

percentiles: 10% 25% 50% 75% 90%
 36.9 37.1 37.5 38.1 38.8

F33TMP6 ----- TEMPERATURE

type: numeric (float)

range: [34.6,40.9] units: .1
unique values: 49 coded missing: 1373 / 2686

mean: 37.619
std. dev: .7567

percentiles: 10% 25% 50% 75% 90%
 36.8 37 37.5 38 38.7

F33PLSE1 ----- PULSE

type: numeric (float)

range: [25,208] units: 1
unique values: 92 coded missing: 54 / 2686

mean: 111.695
std. dev: 22.4616

percentiles: 10% 25% 50% 75% 90%
 84 96 110 128 140

F33PLSE2 ----- PULSE

type: numeric (float)

range: [36,200] units: 1
unique values: 81 coded missing: 196 / 2686

mean: 109.976
std. dev: 21.3902

percentiles: 10% 25% 50% 75% 90%
 82 94 108 124 140

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F33RESP5 ----- RESPIRATION PER MINUTE

type: numeric (float)

range: [12,90] units: 1
unique values: 42 coded missing: 1077 / 2686

mean: 27.3126
std. dev: 9.39712

| | | | | | |
|--------------|-----|-----|-----|-----|-----|
| percentiles: | 10% | 25% | 50% | 75% | 90% |
| | 20 | 20 | 24 | 32 | 40 |

F33RESP6 ----- RESPIRATION PER MINUTE

type: numeric (float)

range: [12,80] units: 1
unique values: 41 coded missing: 1392 / 2686

mean: 26.9706
std. dev: 9.20376

| | | | | | |
|--------------|-----|-----|-----|-----|-----|
| percentiles: | 10% | 25% | 50% | 75% | 90% |
| | 20 | 20 | 24 | 30 | 40 |

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F33PLPN5 ----- PLEURITIC PAIN

type: numeric (float)
label: F33PLPN5

range: [0,16] units: 1
unique values: 15 coded missing: 1113 / 2686

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-----------------|
| | 1269 | 0 | NO (0) |
| | 5 | 1 | LEFT UPPER (1) |
| | 38 | 2 | LEFT LOWER (2) |
| | 12 | 3 | |
| | 8 | 4 | RIGHT UPPER (4) |
| | 8 | 5 | |
| | 46 | 8 | RIGHT LOWER (8) |
| | 1 | 9 | |
| | 40 | 10 | |
| | 2 | 11 | |
| | 30 | 12 | |
| | 1 | 13 | |
| | 5 | 14 | |
| | 41 | 15 | |
| | 67 | 16 | NO (16) |

F33PLPN5:

1. Binary coded variable. See Part II for explanation of binary coded variables.

F33PLPN6 ----- PLEURITIC PAIN

type: numeric (float)
label: F33PLPN6

range: [0,16] units: 1
unique values: 15 coded missing: 1416 / 2686

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-----------------|
| | 1025 | 0 | NO (0) |
| | 2 | 1 | LEFT UPPER (1) |
| | 28 | 2 | LEFT LOWER (2) |
| | 11 | 3 | |
| | 5 | 4 | RIGHT UPPER (4) |
| | 6 | 5 | |
| | 35 | 8 | RIGHT LOWER (8) |
| | 1 | 9 | |
| | 31 | 10 | |
| | 1 | 11 | |
| | 25 | 12 | |
| | 1 | 13 | |
| | 5 | 14 | |
| | 33 | 15 | |
| | 61 | 16 | NO (16) |

F33PLPN6:

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1. Binary coded variable. See Part II for explanation of binary coded variables.

F33RALE1 ----- RALES

type: numeric (float)
label: F33RALE1

range: [0,4] units: 1
unique values: 5 coded missing: 38 / 2686

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-----------|
| | 1446 | 0 | NO |
| | 190 | 1 | YES RIGHT |
| | 151 | 2 | YES LEFT |
| | 800 | 3 | YES BOTH |
| | 61 | 4 | NO |

F33RALE1:

1. 'YES' was coded as 'YES BOTH' on version 09/30/80.

F33RALE2 ----- RALES

type: numeric (float)
label: F33RALE2

range: [0,4] units: 1
unique values: 5 coded missing: 181 / 2686

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-----------|
| | 1396 | 0 | NO |
| | 181 | 1 | YES RIGHT |
| | 134 | 2 | YES LEFT |
| | 736 | 3 | YES BOTH |
| | 58 | 4 | NO |

F33RALE2:

1. 'YES' was coded as 'YES BOTH' on version 09/30/80.

F33RALE3 ----- RALES

type: numeric (float)
label: F33RALE3

range: [0,4] units: 1
unique values: 5 coded missing: 422 / 2686

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-----------|
| | 1292 | 0 | NO |
| | 154 | 1 | YES RIGHT |
| | 120 | 2 | YES LEFT |
| | 634 | 3 | YES BOTH |
| | 64 | 4 | NO |

F33RALE3:

1. 'YES' was coded as 'YES BOTH' on version 09/30/80.

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F33RALE4 ----- RALES

type: numeric (float)
label: F33RALE4

range: [0,4] units: 1
unique values: 5 coded missing: 758 / 2686

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-----------|
| | 1151 | 0 | NO |
| | 125 | 1 | YES RIGHT |
| | 85 | 2 | YES LEFT |
| | 508 | 3 | YES BOTH |
| | 59 | 4 | NO |

F33RALE4:

1. 'YES' was coded as 'YES BOTH' on version 09/30/80.

F33RALE5 ----- RALES

type: numeric (float)
label: F33RALE5

range: [0,4] units: 1
unique values: 5 coded missing: 1074 / 2686

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-----------|
| | 1006 | 0 | NO |
| | 91 | 1 | YES RIGHT |
| | 61 | 2 | YES LEFT |
| | 400 | 3 | YES BOTH |
| | 54 | 4 | NO |

F33RALE5:

1. 'YES' was coded as 'YES BOTH' on version 09/30/80.

F33RALE6 ----- RALES

type: numeric (float)
label: F33RALE6

range: [0,4] units: 1
unique values: 5 coded missing: 1389 / 2686

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-----------|
| | 816 | 0 | NO |
| | 68 | 1 | YES RIGHT |
| | 41 | 2 | YES LEFT |
| | 325 | 3 | YES BOTH |
| | 47 | 4 | NO |

F33RALE6:

1. 'YES' was coded as 'YES BOTH' on version 09/30/80.

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F33PD1 ----- PERCUSSION DULLNESS

type: numeric (float)
label: F33PD1

range: [0,4] units: 1
unique values: 5 coded missing: 47 / 2686

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-----------|
| | 1802 | 0 | NO |
| | 174 | 1 | YES RIGHT |
| | 122 | 2 | YES LEFT |
| | 468 | 3 | YES BOTH |
| | 73 | 4 | NO |

F33PD1:

1. 'YES' was coded as 'YES BOTH' on version 09/30/80.

F33PD2 ----- PERCUSSION DULLNESS

type: numeric (float)
label: F33PD2

range: [0,4] units: 1
unique values: 5 coded missing: 191 / 2686

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-----------|
| | 1736 | 0 | NO |
| | 159 | 1 | YES RIGHT |
| | 102 | 2 | YES LEFT |
| | 425 | 3 | YES BOTH |
| | 73 | 4 | NO |

F33PD2:

1. 'YES' was coded as 'YES BOTH' on version 09/30/80.

F33PD3 ----- PERCUSSION DULLNESS

type: numeric (float)
label: F33PD3

range: [0,4] units: 1
unique values: 5 coded missing: 430 / 2686

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-----------|
| | 1602 | 0 | NO |
| | 132 | 1 | YES RIGHT |
| | 83 | 2 | YES LEFT |
| | 352 | 3 | YES BOTH |
| | 87 | 4 | NO |

F33PD3:

1. 'YES' was coded as 'YES BOTH' on version 09/30/80.

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F33PD4 ----- PERCUSSION DULLNESS

type: numeric (float)
label: F33PD4

range: [0,4] units: 1
unique values: 5 coded missing: 767 / 2686

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-----------|
| | 1374 | 0 | NO |
| | 114 | 1 | YES RIGHT |
| | 60 | 2 | YES LEFT |
| | 297 | 3 | YES BOTH |
| | 74 | 4 | NO |

F33PD4:

1. 'YES' was coded as 'YES BOTH' on version 09/30/80.

F33PD5 ----- PERCUSSION DULLNESS

type: numeric (float)
label: F33PD5

range: [0,4] units: 1
unique values: 5 coded missing: 1081 / 2686

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-----------|
| | 1175 | 0 | NO |
| | 79 | 1 | YES RIGHT |
| | 52 | 2 | YES LEFT |
| | 239 | 3 | YES BOTH |
| | 60 | 4 | NO |

F33PD5:

1. 'YES' was coded as 'YES BOTH' on version 09/30/80.

F33PD6 ----- PERCUSSION DULLNESS

type: numeric (float)
label: F33PD6

range: [0,4] units: 1
unique values: 5 coded missing: 1391 / 2686

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-----------|
| | 952 | 0 | NO |
| | 55 | 1 | YES RIGHT |
| | 45 | 2 | YES LEFT |
| | 181 | 3 | YES BOTH |
| | 62 | 4 | NO |

F33PD6:

1. 'YES' was coded as 'YES BOTH' on version 09/30/80.

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F33WHZ1 ----- WHEEZING

type: numeric (float)
label: F33WHZ1

range: [0,4] units: 1
unique values: 5 coded missing: 45 / 2686

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-----------|
| | 2284 | 0 | NO |
| | 39 | 1 | YES RIGHT |
| | 34 | 2 | YES LEFT |
| | 199 | 3 | YES BOTH |
| | 85 | 4 | NO |

F33WHZ1:

1. 'YES' was coded as 'YES BOTH' on version 09/30/80.

F33WHZ2 ----- WHEEZING

type: numeric (float)
label: F33WHZ2

range: [0,4] units: 1
unique values: 5 coded missing: 185 / 2686

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-----------|
| | 2187 | 0 | NO |
| | 34 | 1 | YES RIGHT |
| | 26 | 2 | YES LEFT |
| | 163 | 3 | YES BOTH |
| | 91 | 4 | NO |

F33WHZ2:

1. 'YES' was coded as 'YES BOTH' on version 09/30/80.

F33WHZ3 ----- WHEEZING

type: numeric (float)
label: F33WHZ3

range: [0,4] units: 1
unique values: 5 coded missing: 430 / 2686

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-----------|
| | 1981 | 0 | NO |
| | 29 | 1 | YES RIGHT |
| | 22 | 2 | YES LEFT |
| | 127 | 3 | YES BOTH |
| | 97 | 4 | NO |

F33WHZ3:

1. 'YES' was coded as 'YES BOTH' on version 09/30/80.

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F33WHZ4 ----- WHEEZING

type: numeric (float)
label: F33WHZ4

range: [0,4] units: 1
unique values: 5 coded missing: 767 / 2686

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-----------|
| | 1697 | 0 | NO |
| | 23 | 1 | YES RIGHT |
| | 15 | 2 | YES LEFT |
| | 93 | 3 | YES BOTH |
| | 91 | 4 | NO |

F33WHZ4:

1. 'YES' was coded as 'YES BOTH' on version 09/30/80.

F33WHZ5 ----- WHEEZING

type: numeric (float)
label: F33WHZ5

range: [0,4] units: 1
unique values: 5 coded missing: 1083 / 2686

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-----------|
| | 1437 | 0 | NO |
| | 19 | 1 | YES RIGHT |
| | 7 | 2 | YES LEFT |
| | 66 | 3 | YES BOTH |
| | 74 | 4 | NO |

F33WHZ5:

1. 'YES' was coded as 'YES BOTH' on version 09/30/80.

F33WHZ6 ----- WHEEZING

type: numeric (float)
label: F33WHZ6

range: [0,4] units: 1
unique values: 5 coded missing: 1393 / 2686

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-----------|
| | 1159 | 0 | NO |
| | 16 | 1 | YES RIGHT |
| | 7 | 2 | YES LEFT |
| | 44 | 3 | YES BOTH |
| | 67 | 4 | NO |

F33WHZ6:

1. 'YES' was coded as 'YES BOTH' on version 09/30/80.

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F33CBHB1 ----- CBC HB G|DL
 type: numeric (float)
 range: [4,17.5] units: .1
 unique values: 105 coded missing: 555 / 2686
 mean: 8.35838
 std. dev: 1.88014
 percentiles: 10% 25% 50% 75% 90%
 6.2 7 8.1 9.5 11

F33CBHB2 ----- CBC HB G|DL
 type: numeric (float)
 range: [3.6,15] units: .1
 unique values: 98 coded missing: 1524 / 2686
 mean: 8.52186
 std. dev: 1.89797
 percentiles: 10% 25% 50% 75% 90%
 6.3 7.2 8.2 9.7 11.2

F33CBHC1 ----- CBC HCT %
 type: numeric (float)
 range: [6.2,45.2] units: .1
 unique values: 274 coded missing: 553 / 2686
 mean: 24.958
 std. dev: 5.70541
 percentiles: 10% 25% 50% 75% 90%
 18.2 20.8 24.1 28.4 33.1

F33CBHC2 ----- CBC HCT %
 type: numeric (float)
 range: [7.9,44.9] units: .1
 unique values: 252 coded missing: 1521 / 2686
 mean: 25.5224
 std. dev: 5.73341
 percentiles: 10% 25% 50% 75% 90%
 18.5 21.4 24.9 29.1 33.5

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F33CBWB1 ----- CBC WBC X10INTH|L
 type: numeric (float)
 range: [3,99] units: .1
 unique values: 341 coded missing: 594 / 2686
 mean: 17.1947
 std. dev: 7.97024
 percentiles: 10% 25% 50% 75% 90%
 9.1 11.9 15.9 21 26.3

F33CBWB2 ----- CBC WBC X10INTH|L
 type: numeric (float)
 range: [3.1,57.2] units: .1
 unique values: 261 coded missing: 1543 / 2686
 mean: 15.5116
 std. dev: 6.565
 percentiles: 10% 25% 50% 75% 90%
 8.6 10.9 14.5 18.6 23.5

F33DPMN1 ----- DIFFERENTIAL PMN
 type: numeric (float)
 range: [3,95] units: 1
 unique values: 89 coded missing: 757 / 2686
 mean: 60.0581
 std. dev: 15.9368
 percentiles: 10% 25% 50% 75% 90%
 38 50 62 72 80

F33DPMN2 ----- DIFFERENTIAL PMN
 type: numeric (float)
 range: [3,91] units: 1
 unique values: 81 coded missing: 1665 / 2686
 mean: 57.9285
 std. dev: 15.5633
 percentiles: 10% 25% 50% 75% 90%
 36 48 60 69 77

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F33DBDN1 ----- DIFFERENTIAL BANDS

type: numeric (float)

range: [0,35] units: 1
 unique values: 30 coded missing: 1601 / 2686

mean: 3.7447
 std. dev: 5.03551

| | | | | | |
|--------------|-----|-----|-----|-----|-----|
| percentiles: | 10% | 25% | 50% | 75% | 90% |
| | 0 | 0 | 2 | 5 | 10 |

F33DBDN2 ----- DIFFERENTIAL BANDS

type: numeric (float)

range: [0,37] units: 1
 unique values: 26 coded missing: 2124 / 2686

mean: 3.61388
 std. dev: 5.09364

| | | | | | |
|--------------|-----|-----|-----|-----|-----|
| percentiles: | 10% | 25% | 50% | 75% | 90% |
| | 0 | 0 | 2 | 5 | 10 |

F33DEOS1 ----- DIFFERENTIAL EOSINOPHILS

type: numeric (float)

range: [0,56] units: 1
 unique values: 31 coded missing: 824 / 2686

mean: 2.87111
 std. dev: 4.14547

| | | | | | |
|--------------|-----|-----|-----|-----|-----|
| percentiles: | 10% | 25% | 50% | 75% | 90% |
| | 0 | 0 | 2 | 4 | 7 |

F33DEOS2 ----- DIFFERENTIAL EOSINOPHILS

type: numeric (float)

range: [0,36] units: 1
 unique values: 25 coded missing: 1693 / 2686

mean: 3.38872
 std. dev: 3.92828

| | | | | | |
|--------------|-----|-----|-----|-----|-----|
| percentiles: | 10% | 25% | 50% | 75% | 90% |
| | 0 | 1 | 2 | 5 | 8 |

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F33DBAS1 ----- DIFFERENTIAL BASOPHILS

type: numeric (float)

range: [0,43] units: 1
 unique values: 14 coded missing: 895 / 2686

mean: .417085
 std. dev: 1.48765

| | | | | | |
|--------------|-----|-----|-----|-----|-----|
| percentiles: | 10% | 25% | 50% | 75% | 90% |
| | 0 | 0 | 0 | 0 | 1 |

F33DBAS2 ----- DIFFERENTIAL BASOPHILS

type: numeric (float)

range: [0,54] units: 1
 unique values: 11 coded missing: 1749 / 2686

mean: .600854
 std. dev: 2.54882

| | | | | | |
|--------------|-----|-----|-----|-----|-----|
| percentiles: | 10% | 25% | 50% | 75% | 90% |
| | 0 | 0 | 0 | 1 | 2 |

F33DLYM1 ----- DIFFERENTIAL LYMPHOCYTES

type: numeric (float)

range: [0,90] units: 1
 unique values: 81 coded missing: 780 / 2686

mean: 26.1737
 std. dev: 14.0683

| | | | | | |
|--------------|-----|-----|-----|-----|-----|
| percentiles: | 10% | 25% | 50% | 75% | 90% |
| | 11 | 15 | 24 | 34 | 45 |

F33DLYM2 ----- DIFFERENTIAL LYMPHOCYTES

type: numeric (float)

range: [0,89] units: 1
 unique values: 75 coded missing: 1688 / 2686

mean: 27.1944
 std. dev: 13.7302

| | | | | | |
|--------------|-----|-----|-----|-----|-----|
| percentiles: | 10% | 25% | 50% | 75% | 90% |
| | 12 | 17 | 24 | 35 | 45 |

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F33DMON1 ----- DIFFERENTIAL MONOCYTES

type: numeric (float)

range: [0,30] units: 1
unique values: 28 coded missing: 817 / 2686

mean: 7.33975
std. dev: 4.43893

| | | | | | |
|--------------|-----|-----|-----|-----|-----|
| percentiles: | 10% | 25% | 50% | 75% | 90% |
| | 2 | 4 | 7 | 10 | 13 |

F33DMON2 ----- DIFFERENTIAL MONOCYTES

type: numeric (float)

range: [0,42] units: 1
unique values: 24 coded missing: 1695 / 2686

mean: 7.54087
std. dev: 4.56005

| | | | | | |
|--------------|-----|-----|-----|-----|-----|
| percentiles: | 10% | 25% | 50% | 75% | 90% |
| | 2 | 4 | 7 | 10 | 14 |

F33DATC1 ----- DIFFERENTIAL ATYPICAL CELLS

type: numeric (float)

range: [0,10] units: 1
unique values: 10 coded missing: 1687 / 2686

mean: .411411
std. dev: 1.09376

| | | | | | |
|--------------|-----|-----|-----|-----|-----|
| percentiles: | 10% | 25% | 50% | 75% | 90% |
| | 0 | 0 | 0 | 0 | 2 |

F33DATC2 ----- DIFFERENTIAL ATYPICAL CELLS

type: numeric (float)

range: [0,16] units: 1
unique values: 11 coded missing: 2161 / 2686

mean: .514286
std. dev: 1.46534

| | | | | | |
|--------------|-----|-----|-----|-----|-----|
| percentiles: | 10% | 25% | 50% | 75% | 90% |
| | 0 | 0 | 0 | 0 | 2 |

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F33DFMM1 ----- DIFFERENTIAL METAMYELOCYTES/MYELOCYTES
type: numeric (float)
range: [0,13] units: 1
unique values: 11 coded missing: 1724 / 2686
mean: .286902
std. dev: 1.13263
percentiles: 10% 25% 50% 75% 90%
0 0 0 0 1

F33DFMM2 ----- DIFFERENTIAL METAMYELOCYTES/MYELOCYTES
type: numeric (float)
range: [0,36] units: 1
unique values: 9 coded missing: 2176 / 2686
mean: .380392
std. dev: 1.88167
percentiles: 10% 25% 50% 75% 90%
0 0 0 0 1

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F33LNGN1 ----- LUNG INFILTRATE

type: numeric (float)
 label: F33LNGN1

range: [0,64] units: 1
 unique values: 50 coded missing: 1147 / 2686

tabulation:

| Freq. | Numeric | Label | Freq. | Numeric | Label |
|-------|---------|-------------------|-------|---------|------------------|
| 290 | 0 | NO (0) | 175 | 32 | RIGHT LOWER (32) |
| 36 | 1 | LEFT UPPER (1) | 14 | 33 | |
| 9 | 2 | LEFT LINGULA (2) | 3 | 34 | |
| 7 | 3 | | 1 | 35 | |
| 219 | 4 | LEFT LOWER (4) | 206 | 36 | |
| 15 | 5 | | 9 | 37 | |
| 15 | 6 | | 5 | 38 | |
| 6 | 7 | | 9 | 39 | |
| 84 | 8 | RIGHT UPPER (8) | 28 | 40 | |
| 50 | 9 | | 6 | 41 | |
| 2 | 11 | | 6 | 44 | |
| 12 | 12 | | 2 | 45 | |
| 6 | 13 | | 39 | 48 | |
| 1 | 14 | | 8 | 49 | |
| 68 | 16 | RIGHT MIDDLE (16) | 4 | 50 | |
| 11 | 17 | | 1 | 51 | |
| 4 | 18 | | 10 | 52 | |
| 1 | 19 | | 2 | 53 | |
| 17 | 20 | | 9 | 54 | |
| 1 | 22 | | 1 | 55 | |
| 2 | 23 | | 8 | 56 | |
| 13 | 24 | | 4 | 60 | |
| 2 | 25 | | 4 | 62 | |
| 3 | 28 | | 20 | 63 | |
| 1 | 29 | | 90 | 64 | NO (64) |

F33LNGN1:

1. Binary coded variable. See Part II for explanation of binary coded variables.

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F33LNGN2 ----- LUNG INFILTRATE

type: numeric (float)
 label: F33LNGN2

range: [0,64] units: 1
 unique values: 47 coded missing: 1930 / 2686

tabulation:

| Freq. | Numeric | Label | Freq. | Numeric | Label |
|-------|---------|-------------------|-------|---------|------------------|
| 164 | 0 | NO (0) | 72 | 32 | RIGHT LOWER (32) |
| 14 | 1 | LEFT UPPER (1) | 6 | 33 | |
| 4 | 2 | LEFT LINGULA (2) | 1 | 34 | |
| 2 | 3 | | 114 | 36 | |
| 80 | 4 | LEFT LOWER (4) | 8 | 37 | |
| 6 | 5 | | 5 | 38 | |
| 5 | 6 | | 6 | 39 | |
| 6 | 7 | | 9 | 40 | |
| 30 | 8 | RIGHT UPPER (8) | 2 | 41 | |
| 27 | 9 | | 2 | 43 | |
| 2 | 11 | | 4 | 44 | |
| 7 | 12 | | 1 | 45 | |
| 4 | 13 | | 21 | 48 | |
| 1 | 14 | | 2 | 49 | |
| 21 | 16 | RIGHT MIDDLE (16) | 2 | 50 | |
| 2 | 17 | | 10 | 52 | |
| 1 | 18 | | 5 | 54 | |
| 1 | 19 | | 3 | 56 | |
| 10 | 20 | | 1 | 57 | |
| 1 | 23 | | 1 | 60 | |
| 2 | 24 | | 3 | 62 | |
| 1 | 25 | | 11 | 63 | |
| 1 | 27 | | 73 | 64 | NO (64) |
| 2 | 28 | | | | |

F33LNGN2:

1. Binary coded variable. See Part II for explanation of binary coded variables.

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F33PLEF1 ----- PLEURAL EFFUSION

type: numeric (float)
 label: F33PLEF1

range: [0,8] units: 1
 unique values: 9 coded missing: 1159 / 2686

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-----------------|
| | 1015 | 0 | NO |
| | 59 | 1 | YES,UNSPECIFIED |
| | 45 | 2 | RIGHT |
| | 77 | 3 | RIGHT |
| | 55 | 4 | LEFT |
| | 38 | 5 | LEFT |
| | 39 | 6 | BOTH |
| | 71 | 7 | BOTH |
| | 128 | 8 | NO |

F33PLEF2 ----- PLEURAL EFFUSION

type: numeric (float)
 label: F33PLEF2

range: [0,8] units: 1
 unique values: 9 coded missing: 1927 / 2686

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-----------------|
| | 451 | 0 | NO |
| | 28 | 1 | YES,UNSPECIFIED |
| | 25 | 2 | RIGHT |
| | 47 | 3 | RIGHT |
| | 25 | 4 | LEFT |
| | 23 | 5 | LEFT |
| | 22 | 6 | BOTH |
| | 43 | 7 | BOTH |
| | 95 | 8 | NO |

F33TRANS ----- TRANSFUSED FOR EPISODE?

type: numeric (float)
 label: F33TRANS

range: [1,2] units: 1
 unique values: 2 coded missing: 336 / 2686

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-------|
| | 1501 | 1 | NO |
| | 849 | 2 | YES |

F33TRANS:
 1. Not collected on version 09/30/80.

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F33MCD2 ----- MEDICATION CODE

type: numeric (float)

range: [0,999]

units: 1

unique values: 130

coded missing: 970 / 2686

tabulation:

| Freq. | Value | Freq. | Value | Freq. | Value | Freq. | Value |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 0 | 1 | 156 | 1 | 324 | 1 | 457 |
| 1 | 3 | 2 | 159 | 1 | 327 | 5 | 462 |
| 1 | 5 | 1 | 161 | 6 | 328 | 3 | 463 |
| 8 | 6 | 4 | 164 | 2 | 329 | 175 | 480 |
| 3 | 7 | 1 | 170 | 2 | 331 | 45 | 481 |
| 1 | 11 | 1 | 171 | 1 | 336 | 4 | 484 |
| 1 | 12 | 1 | 180 | 37 | 337 | 2 | 503 |
| 1 | 20 | 4 | 190 | 1 | 338 | 2 | 506 |
| 18 | 21 | 4 | 191 | 1 | 339 | 1 | 509 |
| 103 | 25 | 3 | 192 | 2 | 341 | 2 | 512 |
| 5 | 26 | 3 | 196 | 21 | 344 | 2 | 516 |
| 398 | 28 | 1 | 227 | 6 | 361 | 7 | 519 |
| 1 | 31 | 14 | 230 | 1 | 363 | 1 | 522 |
| 3 | 44 | 196 | 231 | 4 | 367 | 5 | 530 |
| 1 | 46 | 1 | 237 | 1 | 368 | 1 | 537 |
| 2 | 48 | 1 | 247 | 68 | 369 | 2 | 539 |
| 3 | 56 | 2 | 248 | 77 | 370 | 43 | 541 |
| 2 | 59 | 50 | 249 | 45 | 371 | 1 | 547 |
| 2 | 67 | 1 | 253 | 6 | 374 | 20 | 554 |
| 2 | 76 | 24 | 259 | 6 | 375 | 18 | 562 |
| 5 | 92 | 1 | 269 | 5 | 382 | 2 | 563 |
| 6 | 94 | 1 | 270 | 1 | 391 | 1 | 564 |
| 3 | 95 | 1 | 276 | 14 | 397 | 1 | 567 |
| 1 | 96 | 4 | 279 | 1 | 410 | 2 | 575 |
| 1 | 99 | 2 | 280 | 1 | 414 | 2 | 582 |
| 44 | 102 | 1 | 281 | 3 | 420 | 1 | 800 |
| 3 | 103 | 2 | 286 | 2 | 429 | 1 | 811 |
| 6 | 106 | 1 | 287 | 1 | 430 | 1 | 900 |
| 2 | 122 | 5 | 298 | 6 | 434 | 1 | 990 |
| 2 | 125 | 5 | 299 | 1 | 435 | 2 | 998 |
| 15 | 126 | 3 | 304 | 3 | 443 | 38 | 999 |
| 4 | 130 | 3 | 306 | 1 | 444 | | |
| 1 | 152 | 1 | 315 | 1 | 452 | | |

F33MCD2:

1. See Appendix D - CODED DRUG LIST.
2. Not collected on version 09/30/80.

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F33MND2 ----- NUMBER DAYS

type: numeric (float)

range: [1,99]

units: 1

unique values: 37

coded missing: 948 / 2686

mean: 6.16398

std. dev: 10.0588

| | | | | | |
|--------------|-----|-----|-----|-----|-----|
| percentiles: | 10% | 25% | 50% | 75% | 90% |
| | 2 | 3 | 4 | 7 | 10 |

F33MND2:

1. Not collected on version 09/30/80.

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F33MCD3 ----- MEDICATION CODE

type: numeric (float)

range: [0,999]

units: 1

unique values: 139

coded missing: 1347 / 2686

tabulation:

| Freq. | Value | Freq. | Value | Freq. | Value | Freq. | Value |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 0 | 1 | 159 | 1 | 292 | 3 | 434 |
| 1 | 2 | 1 | 160 | 5 | 296 | 1 | 435 |
| 9 | 3 | 1 | 171 | 2 | 297 | 1 | 437 |
| 9 | 6 | 8 | 190 | 2 | 298 | 1 | 443 |
| 6 | 7 | 11 | 191 | 3 | 300 | 2 | 444 |
| 1 | 11 | 5 | 192 | 20 | 306 | 1 | 449 |
| 1 | 14 | 3 | 196 | 1 | 327 | 5 | 463 |
| 10 | 20 | 1 | 204 | 5 | 328 | 239 | 480 |
| 17 | 21 | 1 | 207 | 3 | 329 | 78 | 481 |
| 80 | 25 | 1 | 214 | 44 | 337 | 5 | 484 |
| 4 | 26 | 2 | 217 | 2 | 338 | 1 | 503 |
| 57 | 28 | 2 | 222 | 3 | 341 | 1 | 505 |
| 12 | 44 | 3 | 227 | 1 | 342 | 2 | 512 |
| 2 | 48 | 6 | 230 | 8 | 344 | 1 | 513 |
| 3 | 56 | 78 | 231 | 1 | 354 | 4 | 515 |
| 7 | 59 | 3 | 239 | 1 | 360 | 7 | 516 |
| 2 | 67 | 2 | 240 | 15 | 361 | 2 | 517 |
| 3 | 76 | 1 | 245 | 5 | 367 | 39 | 519 |
| 1 | 77 | 3 | 248 | 11 | 369 | 1 | 522 |
| 1 | 78 | 115 | 249 | 9 | 370 | 2 | 530 |
| 1 | 85 | 23 | 259 | 29 | 371 | 1 | 537 |
| 6 | 92 | 1 | 265 | 1 | 372 | 17 | 541 |
| 4 | 94 | 1 | 267 | 12 | 374 | 1 | 550 |
| 1 | 101 | 2 | 270 | 6 | 375 | 22 | 554 |
| 33 | 102 | 3 | 275 | 10 | 382 | 1 | 557 |
| 3 | 106 | 1 | 277 | 3 | 391 | 2 | 559 |
| 1 | 112 | 1 | 278 | 1 | 396 | 1 | 561 |
| 2 | 122 | 7 | 279 | 4 | 397 | 10 | 562 |
| 1 | 125 | 1 | 280 | 1 | 408 | 5 | 563 |
| 37 | 126 | 1 | 284 | 1 | 410 | 2 | 564 |
| 3 | 128 | 1 | 285 | 1 | 414 | 1 | 570 |
| 1 | 129 | 1 | 286 | 2 | 417 | 1 | 575 |
| 6 | 130 | 1 | 287 | 9 | 420 | 1 | 826 |
| 3 | 137 | 1 | 289 | 1 | 421 | 30 | 999 |
| 1 | 156 | 1 | 290 | 1 | 422 | | |

F33MCD3:

1. See Appendix D - CODED DRUG LIST.
2. Not collected on version 09/30/80.

CODEBOOK FOR CSSCD FORM 33
ACUTE CHEST SYNDROME FLOW SHEET - PAGE 3
CSSCD FULL COHORT PATIENTS

F33MND3 ----- NUMBER DAYS

type: numeric (float)

range: [1,99]

units: 1

unique values: 37

coded missing: 1319 / 2686

mean: 6.96928

std. dev: 14.1363

| | | | | | |
|--------------|-----|-----|-----|-----|-----|
| percentiles: | 10% | 25% | 50% | 75% | 90% |
| | 1 | 2 | 4 | 7 | 10 |

F33MND3:

1. Not collected on version 09/30/80.

CODEBOOK FOR CSSCD FORM 33
ACUTE CHEST SYNDROME FLOW SHEET - PAGE 3
 CSSCD FULL COHORT PATIENTS

F33HMCD3 ----- HOME MEDICATION CODE

type: numeric (float)

range: [3,999]

units: 1

unique values: 72

coded missing: 2375 / 2686

tabulation:

| Freq. | Value | Freq. | Value | Freq. | Value |
|-------|-------|-------|-------|-------|-------|
| 1 | 3 | 1 | 222 | 1 | 417 |
| 1 | 7 | 1 | 227 | 1 | 422 |
| 1 | 11 | 13 | 231 | 2 | 429 |
| 1 | 20 | 3 | 239 | 2 | 434 |
| 2 | 25 | 1 | 247 | 1 | 449 |
| 2 | 28 | 2 | 248 | 2 | 452 |
| 1 | 32 | 100 | 249 | 7 | 463 |
| 1 | 33 | 4 | 275 | 1 | 471 |
| 2 | 44 | 1 | 286 | 1 | 476 |
| 1 | 48 | 1 | 287 | 14 | 480 |
| 1 | 52 | 1 | 298 | 36 | 481 |
| 2 | 59 | 2 | 328 | 1 | 491 |
| 1 | 62 | 1 | 335 | 1 | 497 |
| 1 | 123 | 1 | 341 | 1 | 509 |
| 6 | 126 | 3 | 367 | 1 | 512 |
| 1 | 127 | 2 | 369 | 7 | 515 |
| 1 | 152 | 1 | 370 | 2 | 516 |
| 6 | 156 | 11 | 371 | 3 | 519 |
| 3 | 159 | 1 | 372 | 1 | 522 |
| 1 | 171 | 6 | 374 | 1 | 537 |
| 3 | 190 | 6 | 375 | 1 | 554 |
| 2 | 191 | 1 | 408 | 1 | 564 |
| 4 | 192 | 1 | 410 | 1 | 572 |
| 1 | 197 | 2 | 413 | 10 | 999 |

F33HMCD3:

1. See Appendix D - CODED DRUG LIST.
2. Not collected on version 09/30/80.

F33HMND3 ----- HOME NUMBER DAYS

type: numeric (float)

range: [1,99]

units: 1

unique values: 22

coded missing: 2396 / 2686

mean: 63.2034

std. dev: 42.9603

| percentiles: | 10% | 25% | 50% | 75% | 90% |
|--------------|-----|-----|-----|-----|-----|
| | 5 | 10 | 98 | 99 | 99 |

F33HMND3:

1. Not collected on version 09/30/80.

CODEBOOK FOR CSSCD FORM 33
ACUTE CHEST SYNDROME FLOW SHEET - PAGE 3
 CSSCD FULL COHORT PATIENTS

F33COMP ----- COMPLICATIONS FROM TREATMENT

type: numeric (float)
 label: F33COMP

range: [1,3] units: 1
 unique values: 3 coded missing: 898 / 2686

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-------|
| | 1725 | 1 | NO |
| | 53 | 2 | YES |
| | 10 | 3 | |

F33COMP:

1. Not collected on version 09/30/80.

F33INBED ----- # OF DAYS STAYED IN BED

type: numeric (float)
 label: F33INBED

range: [-2,99] units: 1
 unique values: 38 coded missing: 947 / 2686

tabulation:

| Freq. | Numeric | Label | Freq. | Numeric | Label |
|-------|---------|-------|-------|---------|-------|
| 206 | -2 | NA | 11 | 18 | |
| 1 | 0 | | 4 | 19 | |
| 59 | 1 | | 13 | 20 | |
| 126 | 2 | | 5 | 21 | |
| 175 | 3 | | 8 | 22 | |
| 181 | 4 | | 12 | 24 | |
| 193 | 5 | | 3 | 25 | |
| 126 | 6 | | 5 | 26 | |
| 134 | 7 | | 9 | 28 | |
| 90 | 8 | | 2 | 29 | |
| 49 | 9 | | 2 | 30 | |
| 133 | 10 | | 5 | 32 | |
| 29 | 11 | | 2 | 35 | |
| 46 | 12 | | 1 | 41 | |
| 11 | 13 | | 1 | 44 | |
| 41 | 14 | | 1 | 45 | |
| 30 | 15 | | 2 | 49 | |
| 8 | 16 | | 1 | 77 | |
| 11 | 17 | | 3 | 99 | |

F33INBED:

1. Not collected on version 09/30/80.

CODEBOOK FOR CSSCD FORM 33
ACUTE CHEST SYNDROME FLOW SHEET - PAGE 3
 CSSCD FULL COHORT PATIENTS

F33MSWRK ----- # OF DAYS MISSED SCHOOL OR WORK

type: numeric (float)

label: F33MSWRK

range: [-3,99]

units: 1

unique values: 37

coded missing: 938 / 2686

tabulation:

| Freq. | Numeric | Label | Freq. | Numeric | Label |
|-------|---------|-------|-------|---------|-------|
| 114 | -3 | NO | 8 | 18 | |
| 853 | -2 | NA | 1 | 19 | |
| 8 | 1 | | 17 | 20 | |
| 8 | 2 | | 10 | 21 | |
| 23 | 3 | | 2 | 23 | |
| 21 | 4 | | 7 | 24 | |
| 103 | 5 | | 4 | 25 | |
| 44 | 6 | | 4 | 27 | |
| 85 | 7 | | 1 | 28 | |
| 52 | 8 | | 3 | 30 | |
| 42 | 9 | | 2 | 34 | |
| 160 | 10 | | 4 | 35 | |
| 26 | 11 | | 1 | 36 | |
| 37 | 12 | | 1 | 37 | |
| 8 | 13 | | 2 | 44 | |
| 34 | 14 | | 1 | 55 | |
| 41 | 15 | | 2 | 75 | |
| 8 | 16 | | 2 | 99 | |
| 9 | 17 | | | | |

F33MSWRK:

1. Not collected on version 09/30/80.

CODEBOOK FOR CSSCD FORM 33
ACUTE CHEST SYNDROME FLOW SHEET - PAGE 3
CSSCD FULL COHORT PATIENTS

F33PNORG ----- PNEUMONIA ORGANISM

type: numeric (float)

range: [10,9999]

units: 1

unique values: 23

coded missing: 2574 / 2686

| tabulation: | Freq. | Value |
|-------------|-------|-------|
| | 1 | 10 |
| | 1 | 12 |
| | 2 | 14 |
| | 1 | 100 |
| | 16 | 110 |
| | 1 | 111 |
| | 1 | 120 |
| | 3 | 140 |
| | 32 | 170 |
| | 3 | 401 |
| | 1 | 409 |
| | 3 | 481 |
| | 1 | 485 |
| | 7 | 486 |
| | 11 | 1200 |
| | 1 | 1300 |
| | 2 | 4850 |
| | 8 | 5120 |
| | 1 | 5130 |
| | 1 | 6200 |
| | 1 | 6890 |
| | 2 | 9000 |
| | 12 | 9999 |

F33PNORG:

1. See Appendix H - PATHOGEN LIST.
2. Not collected on version 09/30/80.

CODEBOOK FOR CSSCD FORM 33
ACUTE CHEST SYNDROME FLOW SHEET - PAGE 3
 CSSCD FULL COHORT PATIENTS

F33DIAG1 ----- ICDA CODE OF FINAL DIAGNOSIS

type: numeric (float)

range: [1.7,997.03]

units: .01

unique values: 51

coded missing: 1027 / 2686

tabulation:

| Freq. | Value | Freq. | Value |
|-------|--------|-------|--------|
| 1 | 1.7 | 3 | 482.2 |
| 1 | 38.09 | 1 | 482.3 |
| 1 | 38.2 | 1 | 482.4 |
| 1 | 79.9 | 1 | 482.8 |
| 1 | 93.96 | 17 | 483 |
| 1 | 93.99 | 3 | 483.7 |
| 4 | 99.01 | 36 | 485 |
| 1 | 135 | 1425 | 486 |
| 3 | 282.6 | 1 | 486.6 |
| 8 | 282.62 | 1 | 487 |
| 4 | 382.9 | 1 | 490 |
| 1 | 401 | 4 | 493.9 |
| 1 | 415 | 11 | 511.9 |
| 2 | 415.01 | 1 | 518 |
| 52 | 415.1 | 5 | 518.3 |
| 1 | 436 | 1 | 518.8 |
| 1 | 448.5 | 1 | 519.1 |
| 3 | 465.9 | 1 | 548.5 |
| 1 | 466 | 3 | 780.6 |
| 1 | 474.1 | 1 | 786 |
| 6 | 476 | 2 | 786.09 |
| 1 | 480.6 | 1 | 786.52 |
| 1 | 480.8 | 1 | 790.7 |
| 7 | 480.9 | 1 | 989.99 |
| 27 | 481 | 1 | 997.03 |
| 4 | 481.1 | | |

F33DIAG1:

1. See ICD-9 codebook for diagnosis codes.
2. Not collected on version 09/30/80.

CODEBOOK FOR CSSCD FORM 33
ACUTE CHEST SYNDROME FLOW SHEET - PAGE 3
 CSSCD FULL COHORT PATIENTS

F33DIAG2 ----- ICDA CODE OF FINAL DIAGNOSIS

type: numeric (float)

range: [3.31,984.9]

units: .01

unique values: 52

coded missing: 2442 / 2686

tabulation:

| Freq. | Value | Freq. | Value |
|-------|--------|-------|--------|
| 1 | 3.31 | 60 | 415.1 |
| 1 | 11.9 | 1 | 428 |
| 1 | 28.3 | 1 | 451.19 |
| 1 | 34.1 | 1 | 451.2 |
| 3 | 38.2 | 1 | 451.9 |
| 1 | 38.41 | 3 | 463 |
| 3 | 38.9 | 1 | 465.9 |
| 1 | 52.9 | 2 | 481 |
| 1 | 73.59 | 2 | 485 |
| 3 | 79.9 | 4 | 486 |
| 1 | 92.15 | 10 | 493.9 |
| 1 | 99.04 | 19 | 511.9 |
| 2 | 277 | 3 | 518 |
| 1 | 282.06 | 1 | 518.3 |
| 9 | 282.6 | 2 | 519.1 |
| 9 | 282.61 | 1 | 519.8 |
| 68 | 282.62 | 1 | 560.1 |
| 1 | 282.64 | 1 | 575 |
| 1 | 282.65 | 1 | 686.9 |
| 1 | 284.9 | 1 | 733.4 |
| 1 | 286.62 | 2 | 780.6 |
| 2 | 336.1 | 1 | 786 |
| 1 | 381.1 | 1 | 789 |
| 4 | 382.9 | 1 | 790.7 |
| 1 | 415 | 1 | 958.1 |
| 2 | 415.01 | 1 | 984.9 |

F33DIAG2:

1. See ICD-9 codebook for diagnosis codes.
2. Not collected on version 09/30/80.

CODEBOOK FOR CSSCD FORM 33
ACUTE CHEST SYNDROME FLOW SHEET - PAGE 3
CSSCD FULL COHORT PATIENTS

F33DIAG3 ----- ICDA CODE OF FINAL DIAGNOSIS

type: numeric (float)

range: [3.31,999.8]

units: .01

unique values: 22

coded missing: 2638 / 2686

| tabulation: | Freq. | Value |
|-------------|-------|--------|
| | 1 | 3.31 |
| | 1 | 3.8 |
| | 1 | 34.91 |
| | 1 | 93.99 |
| | 1 | 135.7 |
| | 9 | 282.6 |
| | 4 | 282.61 |
| | 12 | 282.62 |
| | 1 | 284.9 |
| | 2 | 285.9 |
| | 1 | 415.1 |
| | 2 | 429.3 |
| | 1 | 511.9 |
| | 1 | 574.2 |
| | 1 | 614.9 |
| | 1 | 673.1 |
| | 2 | 696.1 |
| | 1 | 730 |
| | 1 | 780.3 |
| | 1 | 790.5 |
| | 1 | 812.2 |
| | 2 | 999.8 |

F33DIAG3:

1. See ICD-9 codebook for diagnosis codes.
2. Not collected on version 09/30/80.

CODEBOOK FOR CSSCD FORM 33
ACUTE CHEST SYNDROME FLOW SHEET - PAGE 3
 CSSCD FULL COHORT PATIENTS

F33DIAG4 ----- ICDA CODE OF FINAL DIAGNOSIS

type: numeric (float)

range: [3.31,999.8]

units: .01

unique values: 59

coded missing: 2463 / 2686

tabulation:

| | | | |
|-------|--------|---|--------|
| Freq. | Value | 1 | 583.6 |
| 1 | 3.31 | 2 | 599 |
| 1 | 8 | 1 | 682.6 |
| 1 | 34.91 | 1 | 692.9 |
| 1 | 38.2 | 1 | 730.12 |
| 1 | 38.41 | 1 | 733.9 |
| 1 | 52.9 | 3 | 780.6 |
| 1 | 82.62 | 1 | 782.4 |
| 1 | 92.15 | 1 | 784 |
| 4 | 99.04 | 1 | 786.3 |
| 1 | 112.9 | 1 | 865.04 |
| 1 | 135 | 1 | 958.7 |
| 1 | 203.24 | 1 | 999.8 |
| 1 | 262.82 | | |
| 2 | 282.04 | | |
| 9 | 282.6 | | |
| 12 | 282.61 | | |
| 74 | 282.62 | | |
| 7 | 282.66 | | |
| 1 | 283.9 | | |
| 1 | 284.9 | | |
| 1 | 285.9 | | |
| 1 | 289.03 | | |
| 1 | 289.3 | | |
| 1 | 340 | | |
| 1 | 349.9 | | |
| 10 | 382.9 | | |
| 5 | 402.91 | | |
| 2 | 415 | | |
| 3 | 415.1 | | |
| 1 | 427.5 | | |
| Freq. | Value | | |
| 4 | 428 | | |
| 1 | 428.1 | | |
| 2 | 465 | | |
| 12 | 465.9 | | |
| 1 | 466.9 | | |
| 1 | 473.9 | | |
| 2 | 480.6 | | |
| 2 | 485 | | |
| 1 | 486 | | |
| 5 | 493.9 | | |
| 19 | 511.9 | | |
| 1 | 517.8 | | |
| 3 | 518.8 | | |
| 1 | 564 | | |
| 2 | 574 | | |
| 2 | 574.2 | | |

7.2.4: Acute Chest Syndrome Summary – “Form” 63

F33DIAG4:

1. See ICD-9 codebook for diagnosis codes.
2. Not collected on version 09/30/80.

_dta:

1. Created 06/08/00.

List of variables deleted **F63DATE**

- A. List of variables modified **NONE**
- B. List of variables modified with a name change **NONE**
- C. Old name
- D. New name
- E. List of variables modified date to days since DOE
- F. Old name **F63DATE**
- G. New name **JF63DATE**
- H. Collection Information:

In order to facilitate calculation of acute chest syndrome (ACS) event rates throughout the entire first phase of CSSCD, information from all event form sources that collected ACS data was combined in a single dataset (**R63.SD2**). “Form” 63 is designated as the “form” source for the data in this dataset.

- I. Data Collection Period: 03/79 – 09/88

| <u>Source of Data</u> | <u>Time Period Used</u> |
|---|-------------------------|
| Form 32: Acute Chest Syndrome | 03/79 – 12/86 |
| Form 32E: Acute Chest Syndrome Form II | 07/85 – 12/86 |
| Form 48: Acute Febrile Illness (if chest x-ray positive for infiltrate) | 03/79 – 12/86 |
| Form 53: Comprehensive Special Event Form for Patients Entered at < 6 Months of Age | 01/87 – 09/88 |

- J. Form Version Dates:

Form 32: 03/01/79, 05/02/79, 09/25/80, 03/17/82

7.2.4: Acute Chest Syndrome Summary – “Form” 63

Form 32E: 06/19/85

Form 48: 03/01/79, 10/10/80

Form 53: 11/20/86

K. File Used to Store Information:

SAS System File: **R63.SD2**

Format File: **R63.FMT**

L. Unique Record Identifiers: **ANONID, F63DATE**

Records within the dataset are sorted by **ANONID** and **F63DATE**.

M. Number of Observations (Patients) in SAS Dataset: 2,327 (1,169)

N. Contents of SAS Dataset:

- Alphabetical Listing of Variables: See p. 298
- Listing of Variables by Position: See p. 299

O. Notes About Selected Variables:

- **F63INFIL** – By definition, the value should be 2 (yes) for this variable (lung infiltrate) for all events in this dataset. However, an infiltrate was not documented on forms submitted for 141 events in the dataset (response missing for 11 and 1 (no) for 130).

P. Computed Variables:

- **F63DHOSP** – is the variable name for number of days hospitalized. If the data source (**F63FORM**) was Form 32, the value was computed as described in Section 7.2.1 for **F32DHOSP**

Q. Inter-relationship with Other Datasets:

Additional details about acute chest syndrome events reported on Form 32 (**F63FORM=32**) are stored in **R32.SD2** (See Section 7.2.1). Additional information about ACS events reported on Form 32E (**F63FORM=43**) are stored in **R43.SD2** (See Section 7.2.2). Other data from ACS events reported on Form 53 (**F63FORM=53**) are stored in **R53.SD2** (See Section 7.9). If one of the ACS forms was not filled out but x-ray results reported on Form 48 (**F63FORM=48**) were positive for an infiltrate, additional information about the event is stored in **R48.SD2** (See Section 7.7.1).

In summary, an ACS event record is included in the ACS summary dataset **R63.SD2** if:

7.2.4: Acute Chest Syndrome Summary – “Form” 63

1. a Form 32 was completed, or
2. a Form 32E was completed, or
3. chest x-ray results on Form 48 were positive for an infiltrate, or
4. ACS was checked as the reason for completion of Form 53, or
5. Chest x-ray results on Form 53 were positive for an infiltrate.

CODEBOOK FOR CSSCD 'FORM' 63
ACUTE CHEST SYNDROME EVENT SUMMARY

CSSCD FULL COHORT PATIENTS

CONTENTS OF SAS DATASET: R63.SD2

DATA FROM CSSCD "FORM" 63 - ACUTE CHEST SYNDROME SUMMAR

INCLUDES EVENTS REPORTED BETWEEN 3/79 AND 9/88

VARIABLES ARE LISTED IN ALPHABETICAL ORDER AND IN ORDER OF THEIR POSITION

The SAS System 10:44 Thursday, December 7, 2006 8

The CONTENTS Procedure

| | | | |
|---------------------|-----------------------------------|----------------------|------|
| Data Set Name | OUT1.R63 | Observations | 2327 |
| Member Type | DATA | Variables | 11 |
| Engine | V9 | Indexes | 0 |
| Created | 11:34 Thursday, November 30, 2006 | Observation Length | 88 |
| Last Modified | 11:34 Thursday, November 30, 2006 | Deleted Observations | 0 |
| Protection | | Compressed | NO |
| Data Set Type | | Sorted | NO |
| Label | | | |
| Data Representation | WINDOWS | | |
| Encoding | wlatin1 Western (Windows) | | |

Engine/Host Dependent Information

| | |
|----------------------------|--------------|
| Data Set Page Size | 8192 |
| Number of Data Set Pages | 26 |
| First Data Page | 1 |
| Max Obs per Page | 92 |
| Obs in First Data Page | 65 |
| Number of Data Set Repairs | 0 |
| File Name | r63.sas7bdat |
| Release Created | 9.0000M0 |
| Host Created | XP_PRO |

Alphabetic List of Variables and Attributes

| # | Variable | Type | Len | Label |
|----|----------|------|-----|--|
| 1 | ANONID | Char | 8 | ANONYMIZED ID # |
| 9 | F63CULTR | Num | 8 | BLOOD CULTURE RESULTS |
| 3 | F63DHOSP | Num | 8 | NUMBER OF DAYS HOSPITALIZED |
| 4 | F63FORM | Num | 8 | WHICH FORM WAS FILLED OUT |
| 2 | F63HOSP | Num | 8 | HOSPITALIZED |
| 5 | F63INFIL | Num | 8 | LUNG INFILTRATE |
| 7 | F63INFST | Num | 8 | INFILTRATE SITE; BINARY CODED |
| 8 | F63LOBEN | Num | 8 | NO. OF INVOLVED LOBES |
| 10 | F63ORG | Num | 8 | ORGANISM CULTURED IN BLOOD |
| 6 | F63SRCIN | Num | 8 | SOURCE OF INFILTRATE INFORMATION |
| 11 | JF63DATE | Num | 8 | DATE FIRST SOUGHT CARE - RECODE DAYS SINCE DOE |

CODEBOOK FOR CSSCD 'FORM' 63
ACUTE CHEST SYNDROME EVENT SUMMARY
CSSCD FULL COHORT PATIENTS

CODEBOOK FOR CSSCD 'FORM' 63
ACUTE CHEST SYNDROME EVENT SUMMARY
CSSCD FULL COHORT PATIENTS

* R63.FMT contains value labels for numerical codes assigned to categorical*
* variables in the SAS dataset R63.SD2 *
*****;

* SIR/DBMS 2.2 SAS PROC STEP FROM DATABASE: CSSCD 04/11/00;

PROC FORMAT PRINT;

* FORMAT NO_YES used for the following variables: F63HOSP F63INFIL;

VALUE NO_YES

1 = 'NO'
2 = 'YES';

VALUE F63SRCIN

1 = 'X-RAY 32'
2 = 'SCAN 32'
3 = 'X-RAY 33'
4 = 'X-RAY 43'
5 = 'X-RAY 53'
6 = 'X-RAY 48';

VALUE F63INFST

0 = 'NOT GIVEN (0)'
1 = 'L. UPPER (1)'
2 = 'L. LINGULA (2)'
4 = 'L. LOWER (4)'
8 = 'R. UPPER (8)'
16 = 'R. MIDDLE (16)'
32 = 'R. LOWER (32)'
64 = 'NONE (64)';

VALUE F63CULTR

1 = 'NEGATIVE'
2 = 'POSITIVE';

F63HOSP ----- HOSPITALIZED

CODEBOOK FOR CSSCD 'FORM' 63
ACUTE CHEST SYNDROME EVENT SUMMARY

CSSCD FULL COHORT PATIENTS

type: numeric (float)
label: F63HOSP

range: [1,2] units: 1
unique values: 2 coded missing: 11 / 2327

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-------|
| | 97 | 1 | NO |
| | 2219 | 2 | YES |

F63DHOSP ----- NUMBER OF DAYS HOSPITALIZED

type: numeric (float)

range: [0,73] units: 1
unique values: 42 coded missing: 109 / 2327

mean: 6.91794
std. dev: 5.16525

| percentiles: | 10% | 25% | 50% | 75% | 90% |
|--------------|-----|-----|-----|-----|-----|
| | 3 | 4 | 6 | 9 | 12 |

F63FORM ----- WHICH FORM WAS FILLED OUT

type: numeric (float)

range: [32,53] units: 1
unique values: 4 coded missing: 0 / 2327

| tabulation: | Freq. | Value |
|-------------|-------|-------|
| | 1919 | 32 |
| | 214 | 43 |
| | 15 | 48 |
| | 179 | 53 |

F63FORM:

1. See Appendix N - LIST OF CSSCD FORMS.

F63INFIL ----- LUNG INFILTRATE

type: numeric (float)
label: F63INFIL

range: [1,2] units: 1
unique values: 2 coded missing: 11 / 2327

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|-------|
| | 130 | 1 | NO |
| | 2186 | 2 | YES |

CODEBOOK FOR CSSCD 'FORM' 63
ACUTE CHEST SYNDROME EVENT SUMMARY
CSSCD FULL COHORT PATIENTS

F63SRCIN ----- SOURCE OF INFILTRATE INFORMATION

type: numeric (float)

label: F63SRCIN

range: [1,6]

units: 1

unique values: 6

coded missing: 9 / 2327

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|----------|
| | 1867 | 1 | X-RAY 32 |
| | 7 | 2 | SCAN 32 |
| | 44 | 3 | X-RAY 33 |
| | 208 | 4 | X-RAY 43 |
| | 177 | 5 | X-RAY 53 |
| | 15 | 6 | X-RAY 48 |

F63SRCIN:

1. Required only if F63INFIL \geq 1.

F63INFST ----- INFILTRATE SITE; BINARY CODED

Section A: CSSCD Phase 1 7.2.0: Acute Chest Syndrome (ACS) Overview

F63INFST:

1. Binary coded variable. See Part II for explanation of binary coded variables.
2. Required only if $1 \leq F63SRCIN \leq 3$.

F63LOBEN ----- NO. OF INVOLVED LOBES
 type: numeric (float)

 range: [1,6] units: 1
unique values: 6 coded missing: 336 / 2327

| tabulation: | Freq. | Value |
|-------------|-------|-------|
| | 1371 | 1 |
| | 520 | 2 |
| | 72 | 3 |
| | 16 | 4 |
| | 5 | 5 |
| | 7 | 6 |

F63LOBEN:

1. Required only if F63SRCIN = 1 or 3 or 4.

F63CULTR ----- BLOOD CULTURE RESULTS
 type: numeric (float)
 label: F63CULTR

 range: [1,2] units: 1
unique values: 2 coded missing: 35 / 2327

| tabulation: | Freq. | Numeric | Label |
|-------------|-------|---------|----------|
| | 2209 | 1 | NEGATIVE |
| | 83 | 2 | POSITIVE |

Section A: CSSCD Phase 1
7.2.0: Acute Chest Syndrome (ACS) Overview

F63ORG ----- ORGANISM CULTURED IN BLOOD

type: numeric (float)

range: [110,9000]

units: 1

unique values: 19

coded missing: 2244 / 2327

tabulation: Freq. Value

| | |
|----|------|
| 5 | 110 |
| 3 | 130 |
| 1 | 160 |
| 43 | 170 |
| 1 | 202 |
| 1 | 203 |
| 5 | 401 |
| 2 | 404 |
| 2 | 405 |
| 1 | 410 |
| 1 | 411 |
| 1 | 412 |
| 1 | 800 |
| 10 | 1200 |
| 1 | 1300 |
| 1 | 2100 |
| 1 | 3100 |
| 1 | 6810 |
| 2 | 9000 |

F63ORG:

1. See Appendix H - PATHOGEN LIST.
2. Required only if F63CULTR=2.

_dta:

Section A: CSSCD Phase 1
7.2.0: Acute Chest Syndrome (ACS) Overview

1. Created 05/12/00.