

7.1.0: Painful Episode/Skeletal & Joint Events - Overview

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

Form #	Name of Form	Collected	Patient Population	SAS Dataset
30	Painful Episode Form	03/01/79- 05/17/82	All	R30.SD2
54	Painful Episode Form II	05/17/82- 06/01/86	All	R61.SD2*
		06/01/86- 12/31/86	Patients entered <6 months of age only	
36	Skeletal & Joint Events	03/01/79- 06/01/86	All pain episodes of the bone lasting >7 days.	R36.SD2
		06/01/86- 12/31/86	As above among patients entered <6 months of age.	
53	Comprehensive Special Event Form for Patients Entered <6 Months of Age.	01/01/87- 9/30/88	Patients entered at <6 months of age (both pain and skel&joint events)	R53.SD2
--	*"Painful Event Summary"	03/01/79- 9/30/88	All – in addition to data from Form 54, includes summary information about painful episodes reported on Forms 30 & 53	R61.SD2
<hr style="border-top: 1px dashed black;"/>				
31	Painful Episode/Skeletal & Joint Event Flow Sheet & Treatment Follow-up	03/01/79- 05/17/82	All long-form (Form 30) pain episode	R31.SD2
		10/01/80- 06/01/86	All skel&joint (Form 36)	
		06/01/86- 12/31/86	Skel&joint (Form 36) patients entered <6 months of age only	
37	Skeletal & Joint Flow Sheet	03/01/79- 10/1/80	All skel&joint (Form 36)	R37.SD2
52	Acute Event Treatment Follow- up	03/01/79- 05/17/82	All long-form pain episode (Form 30)	R52.SD2
		03/01/79- 06/01/86	All skel&joint (Form 36)	
		06/01/86- 12/31/86	Skel&joint (Form 36) patients entered <6 months of age only	

7.1.0: Painful Episode/Skeletal & Joint Events - Overview

B. Definition of the Event

Painful Episode: (See Sections 7.1.1 & 7.1.2)

1. Pain in the extremities, back, abdomen, chest, or head, for which no other explanation can be found and which is not classified as one of the other special events.
2. RESTRICTION – Pain shall have lasted for at least 2 hours.
3. Irritability in young children accompanied by pain on palpation is considered appropriate evidence.
4. RESTRICTION – If patient is old enough, he/she must have stated that pain is of nature usually associated with a crisis.

Skeletal & Joint Event: (See Section 7.1.3)

1. Bone Infarction and/or Osteomyelitis: An acute, painful episode, involving one or more bones, that has lasted at least seven days. Osteomyelitis is identification of an etiologic agent by culture.
2. Joint Swelling with Effusion: Swelling of one or more joints with pain or effusion not due to trauma in the last three days.

7.1.1: Painful Episode Form – Form 30

- A. List of variables deleted **F30DATE F30INIT F30NDATE F30LASTU F30LASTE
F30ESTAT F30VDATE F30DFC F30FCB F30MENSE F30WHEN F30PEDTE
F30PEB F30LABDT**
- 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 **F30DATE F30MENSE F30WHEN F30PEDTE F30LABDT**
- H. New name **JF30DATE F30MENSE JF30WHEN J30PEDTE J30LABDT**
- I. Collection Information:
 Form 30 (Painful Episode Form) was completed each time a study patient presented at a study participant clinic, emergency room, or hospital with a painful crisis (per definition – See 7.1.0), which was not associated with bone pain lasting >7 days, osteomyelitis by culture, or joint swelling with effusion (as per Skeletal & Joint definition – See 7.1.0).
 A painful episode of a bone lasting more than 7 days becomes a Skeletal & Joint event (Form 36). Form 30 was not completed for pain events called in from home, although the occurrence of such events would be noted on the patient’s next routine visit form (Forms 16-17, 19-25).
- J. Data Collection Period: 03/79-05/82
- K. Form Version Dates: 03/01/79, 03/29/79, 05/02/79, 06/11/79, 07/02/80
 Not all information from all form versions has been retained to the final database. Variables considered unimportant or unusable from early forms were permanently dropped from the final dataset. Consequently, the codebook coincides closely with the latest version of Form 30.
- L. Files Used to Store Information:
 SAS System File: **R30.SD2**
 Format File: **R30.FMT**
- M. Unique Record Identifiers: **ANONID, F30DATE**
 Records within the SAS dataset are sorted by **ANONID** and **F30DATE**.
- N. Number of Observations (Patients) in SAS Dataset: 6,091 (1,467)
- O. Contents of SAS Dataset:
-

7.1.1: Painful Episode Form – Form 30

- Alphabetical Listing of Variables: See pp. 9-11
- Listing of Variables by Position: See pp. 12-13

P. Notes About Selected Variables:

- **F30TRANS, F30TRNS** – These two variables, due to form version differences, collect similar information. However, neither is complete by itself, due to differences in dates of collection. Taken in concert, a positive answer on *either* of these two questions, will indicate that the patient was transfused within the six months preceding the event.
- **F30CBCWB** – is the CBC White Blood Cell Count variable assumed to be “uncorrected” in relation to nucleated red blood cells (nRBCs). There is a 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.
- **F30NRB** – is the Nucleated Red Blood Cell variable. The field length is 2-digits. If there were more than 100 nRBCs/100 WBCs, then a value of 99 was entered.
- **WBC Differential Variables** – When any of the following (**F30DFPMN, F30DFBND, F30DFEOS, F30DFBAS, F30DFLYM, F30DFMON, F30DFMM, F30DFATC**) 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 differential variables with missing values are assumed to have values of 0.

Q. Computed Variables:

- **F30FLOWS** – is the number of follow-up hospitalization or “flow” sheets (in this case, Form 31 sheets) associated with a given Form 30. The value was derived by linking “Record 31” with “Record 30” by date (**F31DATE** with **F30DATE**) patient first sought care, and counting the number of forms that linked up.
- **F30DHOSP** – is the number of days that data was collected on hospitalized pain episodes. The number was derived by linking “Record 30” with all “Record 31s” by date care sought (**F30DATE** with **F31DATE**) 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 out correctly).
- **F30FRM52** – is the type code associated with a Form 52 (treatment follow-up) for the same date as the pain event (**F52DATE, F30DATE**). The variable that indicates which event a “Record 52” is associated with is **F52TYPE**. Therefore,

7.1.1: Painful Episode Form – Form 30

the **F30FRM52** variable is made = **F52TYPE** for the same date care was sought. Treatment information for painful events reported on Form 30 with version date (**F30VDATE**) of 07/02/80 was collected on Form 31 rather than Form 52. For Form 30s with **F30VDATE=07/02/80**, **F30FRM52=31**.

R. Inter-Relationship with Other Datasets:

1. Painful episode data were also collected on

Phase 1 Forms A. SAS Dataset

Form 54 B. R61.SD2

Form 53 **R53.SD2**

Form 36 **R36.SD2**

[See Sections 7.1.2, 7.1.3, 7.9]

Form 54, used between 05/82 and 12/86, contains only the most rudimentary facts pertaining to a given pain episode (date, associated events, hospitalization), and is the only data collected on pain episodes after May 17, 1982. Between 01/87 and 09/88 (the end of Phase 1), additional pain episodes among the newborn cohort were documented on Form 53, The Comprehensive Special Event Form.

In order to include basic information for all painful events during Phase 1 in a single dataset, event records from SAS datasets **R30.SD2** & **R53.SD2** are also included in **R61.SD2**.

In theory, there should be no relationship between pain episode forms and skeletal & joint forms other than that Form 36 records the more severe event than the Form 30. However, in truth, the definitional boundaries were crossed, and some of the following overlaps occur. The most common of these would be duplicates, a Form 30 and a Form 36 made out at the same date sought care (**F30DATE = F36DATE**). A second problem identified during the study was the lack of a Form 36 completion to document the increasing severity of the event. This becomes a problem in identifying the most severe and rare cases of pain/bone problems, i.e. osteomyelitis/septic arthritis. The manner in which these cases are identified is documented fully in Section 7.1.3 Skeletal & Joint Events – Form 36. It is important to be aware that only a Form 30, or a Form 54, may exist where an event actually was more severe, and should have Form 36 data instead.

2. Follow-up and treatment information is stored on

7.1.1: Painful Episode Form – Form 30

Phase 1 Forms C. SAS Dataset

Form 31 **R31.SD2**
Form 52 **R52.SD2**

[See Sections 7.1.3, 7.10]

- a. Form 31 is the Painful Episode/Skeletal & Joint Event Flow Sheet & Treatment Follow-up. The form was completed if the patient was either hospitalized or seen on a daily basis as an outpatient for a painful episode. It contains daily and summery information from day 2 of hospitalization for the event, through discharge. Each “Record” 31 contains 6 days of hospital information, so consequently, multiple “Record” 31s could exist for a given pain episode, dependent on length of stay.

 Within the SAS dataset **R31.SD2**, records are sorted by number: **F31SHEET**. Therefore, information for hospital days 2-7 should be on **F31SHEET=1**; days 8-13 on **F31SHEET=2**, etc.

 Form 31 was used to describe hospitalized pain events from 03/01/79 through 05/17/82 when Form 30 was discontinued. Form 31 was not completed in conjunction with the short pain forms (Form 54).

 Because painful episodes can, by definition, become skeletal & joint events (Form 36), the Form 31 Flow Sheet was used from 10/01/80 through 06/01/86 to cover hospital stays in relation to skeletal & joint events for all patients, and through 12/31/96 for the newborn cohort. The date of the event used is important in determining whether a flow sheet is linked to a pain event (**F30DATE**) or to a skeletal & joint event (**F36DATE**).

- b. Form 52 is the Acute Event Treatment Follow-up form that was used to collect summary non-hospitalization information for pain episodes from 03/01/79 through 05/17/82. 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 Form 31 for hospitalized events.

 This form 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” 30 with a “Record” 52, the date patient first sought care is used (i.e., **F52DATE=F30DATE**). When **F30FRM52=31** or **F30FRM52=33** then treatment information does not appear on “Record” 52, but rather on “Record”

7.1.1: Painful Episode Form – Form 30

31 or 33 respectively, and the **R30.SD2** dataset should be merged by date with SAS dataset **R31.SD2** or **R33.SD2** for treatment, resolution of symptoms, and diagnostic data (e.g., if **F30FRM52=31** then **F31DATE=F30DATE** or if **F30FRM52=33** then **F33DATE=F30DATE**).

CODEBOOK FOR CSSCD FORM 30

PAINFUL EPISODE FORM

CSSCD FULL COHORT PATIENTS

CONTENTS OF SAS DATASET: R30.SD2
DATA FROM CSSCD FORM 30 - PAINFUL EPISODE FORM
VARIABLES ARE LISTED IN ALPHABETICAL ORDER

The CONTENTS Procedure

Data Set Name	OUT1.R30	Observations	6091
Member Type	DATA	Variables	77
Engine	V9	Indexes	0
Created	15:15 Thursday, November 16, 2006	Observation Length	632
Last Modified	15:15 Thursday, November 16, 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	245
First Data Page	1
Max Obs per Page	25
Obs in First Data Page	10
Number of Data Set Repairs	0
File Name	sd2anon\r30.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 #
37	F30ABDBS	Num	8	BOWEL SOUNDS PRESENT
38	F30ABDRG	Num	8	RIGID ABDOMEN
31	F30ABTS1	Num	8	ABDOMINAL TENDERNESS SITE
32	F30ABTS2	Num	8	ABDOMINAL TENDERNESS SITE
33	F30ABTS3	Num	8	ABDOMINAL TENDERNESS SITE
4	F30ACTIV	Num	8	PHYSICAL ACTIVITY
27	F30APPEA	Num	8	GENERAL APPEARANCE
34	F30ARTS1	Num	8	ABDOMINAL REBOUND TENDERNESS SITE
35	F30ARTS2	Num	8	ABDOMINAL REBOUND TENDERNESS SITE
36	F30ARTS3	Num	8	ABDOMINAL REBOUND TENDERNESS SITE
63	F30BLRBN	Num	8	TOTAL BILIRUBIN
47	F30CBCHB	Num	8	CBC HB
48	F30CBCHC	Num	8	CBC HCT
51	F30CBCMV	Num	8	CBC MCV
49	F30BCRB	Num	8	CBC RB
50	F30BCWB	Num	8	CBC WB
29	F30CHTND	Num	8	CHEST TENDERNESS
45	F30CSTV1	Num	8	SITE WITH COSTOVERTEBRAL TENDERNESS
65	F30DAYS	Num	8	DAYS OF MEDICATION
58	F30DFATC	Num	8	DIFFERENTIAL ATYPICAL CELLS

CODEBOOK FOR CSSCD FORM 30

PAINFUL EPISODE FORM

CSSCD FULL COHORT PATIENTS

55	F30DFBAS	Num	8	DIFFERENTIAL BASOPHILS
53	F30DFBND	Num	8	DIFFERENTIAL BANDS
54	F30DFEOS	Num	8	DIFFERENTIAL EOSINOPHILS
56	F30DFLYM	Num	8	DIFFERENTIAL LYMPHOCYTES
59	F30DFMM	Num	8	DIFFERENTIAL METAMYELOCYTES MYELOCYTES
57	F30DFMON	Num	8	DIFFERENTIAL MONOCYTES
52	F30DFPMN	Num	8	DIFFERENTIAL PMN
68	F30DHOSP	Num	8	NUMBER OF DAYS HOSPITALIZED
28	F30DIST	Num	8	DISTRESS SIGNS
69	F30EV1	Char	12	ASSOCIATED EVENT 1
70	F30EV2	Char	12	ASSOCIATED EVENT 2
71	F30EV3	Char	12	ASSOCIATED EVENT 3
72	F30EV4	Char	12	ASSOCIATED EVENT 4
66	F30FLOWS	Num	8	NUMBER OF FLOWSHEETS
67	F30FRM52	Num	8	IS THERE A 52 ON THE DATABASE
6	F30HIST	Num	8	HISTORY BEFORE EPISODE
2	F30HOSP	Num	8	HOSPITALIZED
11	F30HOUR	Num	8	HOUR PAIN BEGAN
12	F30HOW	Num	8	HOW PAIN BEGAN
43	F30LMST1	Num	8	LIMITED MOTION SITE
44	F30LMST2	Num	8	SITE WITH LIMITED MOTION
30	F30LUNG	Num	8	LUNGS
20	F30MED1	Num	8	MEDICATION CODE
21	F30MED2	Num	8	MEDICATION CODE
22	F30MED3	Num	8	MEDICATION CODE
13	F30NMSIT	Num	8	NUMBER OF SITES
60	F30NRB	Num	8	NUCLEATED RED BLOOD CELLS
8	F30OLD24	Num	8	OLD PHYSICAL ACTIVITY
7	F30OLDAC	Num	8	OLD PHYSICAL ACTIVITY
9	F30OLDDO	Num	8	OLD PHYSICAL ACTIVITY
10	F30OLDWK	Num	8	OLD PHYSICAL ACTIVITY
46	F30OPHYS	Num	8	OTHER PHYSICAL FINDINGS
61	F30PLATE	Num	8	PLATELETS
62	F30RETIC	Num	8	RETICULOCYTES
19	F30SEVPN	Num	8	SEVERITY OF PAIN
14	F30SITE1	Num	8	SITE OF PAIN
15	F30SITE2	Num	8	SITE OF PAIN
16	F30SITE3	Num	8	SITE OF PAIN
17	F30SITE4	Num	8	SITE OF PAIN
64	F30SRMAM	Num	8	SERUM AMYLASE
24	F30START	Num	8	SOMETHING BROUGHT ON EPISODE
5	F30STRES	Num	8	EMOTIONAL STRESS
25	F30TMP	Num	8	TEMPERATURE
26	F30TMPH	Num	8	HOW TEMPERATURE OBTAINED
3	F30TRANS	Num	8	TRANSFUSED IN LAST 6 MONTHS
23	F30TRNS	Num	8	TRANSFUSED PREV FOR EPISODE
18	F30TYPPN	Num	8	TYPICAL PAIN AT SITE
39	F30XBKS1	Num	8	EXTREMITIES & BACK SITE
40	F30XBKS2	Num	8	SITE OF INFLAMMATION
41	F30XBKS3	Num	8	SITE OF INFLAMMATION
42	F30XBKS4	Num	8	SITE OF INFLAMMATION
77	J30LABDT	Num	8	DATE LAB - RECODE DAYS SINCE DOE
74	J30MENSE	Num	8	LAST MENSTRUAL PERIOD DATE - RECODE DAYS SINCE DOE
76	J30PEDTE	Num	8	DATE PHYSICAL EXAM - RECODE DAYS SINCE DOE
73	JF30DATE	Num	8	DATE FIRST SOUGHT CARE - RECODE DAYS SINCE DOE
75	JF30WHEN	Num	8	WHEN PAIN BEGAN - RECODE DAYS SINCE DOE

SECTION 7.1.1 PAINFUL EPISODE FORM

FORM 30

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM
 CSSCD FULL COHORT PATIENTS

```
*****
* R30.FMT contains value labels for numerical codes assigned to
categorical*
* variables in the SAS dataset R30.SD2
*
*****;
* SIR/DBMS 2.2 SAS PROC STEP FROM DATABASE: CSSCD    11/04/98 10:58:46;
```

PROC FORMAT;

```
* FORMAT NO_YES used for the following variables: F30HOSP F30TRANS
F30TRNS
                                           F30CHTND F30ABDBS
                                           F30ABDRG F30OPHYS;
```

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

```
* FORMAT LEVEL used for the following variables: F30ACTIV F30STRES;
```

```
VALUE LEVEL
  1          = 'INCREASE'
  2          = 'DECREASE'
  3          = 'SAME';
```

```
VALUE F30HIST
  0          = 'NO SYMPTOMS(0)'
  1          = 'CHILLS(1)'
  2          = 'HOT(2)'
  4          = 'COLD(4)'
  8          = 'LESS FLUIDS(8)'
  16         = 'MORE ALCOHOL(16)'
  32         = 'OTHER(32)'
  64         = 'NO SYMPTOMS(64)';
```

```
VALUE F30OLDAC
  0          = 'NO ACTIVITY(0)'
  1          = 'USUAL(1)'
  2          = 'UNUSUAL(2)'
  4          = 'SLEEPING(4)'
  8          = 'SITTING(8)'
  16         = 'CHILLED(16)'
  32         = 'OVERHEATED(32)'
  64         = 'PLANE(64)'
  128        = 'EXERCISING(128)'
  256        = 'OTHER(256)'
  512        = 'NO ACTIVITY(512)';
```

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM
CSSCD FULL COHORT PATIENTS

* FORMAT F30OLDF used for the following variable: F30OLD24;

VALUE F30OLDF
0 = 'NO ACTIVITY(0)'
1 = 'USUAL(1)'
2 = 'UNUSUAL(2)'
4 = 'SITTING(4)'
8 = 'CHILLED(8)'
16 = 'OVERHEATED(16)'
32 = 'PLANE(32)'
64 = 'EXERCISE(64)'
128 = 'OTHER(128)'
256 = 'NO ACTIVITY(256)';

VALUE F30OLDDO
0 = 'NO FLUIDS(0)'
1 = 'MORE FLUIDS(1)'
2 = 'LESS FLUIDS(2)'
4 = 'VOMIT(4)'
8 = 'DIARRHEA(8)'
16 = 'ALCOHOL(16)'
32 = 'SWEAT(32)'
64 = 'NO FLUIDS(64)';

VALUE F30OLDWK
0 = 'NONE(0)'
1 = 'ARGUMENT(1)'
2 = 'FAMILY(2)'
4 = 'SCHOOL(4)'
8 = 'BOSS(8)'
16 = 'QUIT OR FIRED(16)'
32 = 'TIRED(32)'
64 = 'DECISION(64)'
128 = 'LONELINESS(128)'
256 = 'ANXIETY(256)'
512 = 'OTHER(512)'
1024 = 'NONE(1024)';

VALUE F30HOW
1 = 'GRADUALLY'
2 = 'SUDDENLY'
3 = 'DK';

* FORMAT INC_NO used for the following variables: F30SITE1-F30SITE4

F30ABTS1-F30ABTS3

F30ARTS1-F30ARTS3

F30XBKS1-F30XBKS4

F30LMST1-F30LMST2

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM
CSSCD FULL COHORT PATIENTS

F30CSTV1;

VALUE INC_NO
833 = 'INCOMPLETE(833)'
834 = 'NO(834)';

VALUE F30TYPPN
1 = 'NO'
2 = 'DK'
3 = 'YES';

VALUE F30SEVPN
1 = 'MILD'
2 = 'MODERATE'
3 = 'SEVERE';

* FORMAT MEDS used for the following variables: F30MED1-F30MED3;

VALUE MEDS
999 = 'CODE UNAVAILABLE(999)';

VALUE F30START
1 = 'NO'
2 = 'DK'
3 = 'YES UNSPECIFIED'
4 = 'YES,GIVEN';

VALUE F30TMPH
1 = 'ORAL'
2 = 'RECTAL';

VALUE F30APPEA
1 = 'NO DISTRESS'
2 = 'DISTRESS OR WITHDRAWN';

VALUE F30DIST
0 = 'NO DISTRESS SIGNS(0)'
1 = 'GRIMACING(1)'
2 = 'CRYING(2)'
4 = 'ABN POSTURE(4)'
8 = 'HYSTERICAL(8)'
16 = 'WITHDRAWN(16)'
32 = 'NO DISTRESS SIGNS(32)';

VALUE F30LUNG
1 = 'NORMAL'
2 = 'ABNORMAL';

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM
CSSCD FULL COHORT PATIENTS

```
*   FORMAT
      F30HOSP F30TRANS F30TRNS F30CHTND F30LUNG F30ABDBS
F30ABDRG F30OPHYS NO_YES.
      F30ACTIV F30STRES LEVEL.
      F30HIST F30HIST.
      F30OLDAC F30OLDAC.
      F30OLD24 F30OLDF.
      F30OLDDO F30OLDDO.
      F30OLDWK F30OLDWK.
      F30HOW F30HOW.
      F30NMSIT F30SITE1-F30SITE4 F30ABTS1-F30ABTS3 F30ARTS1-
F30ARTS3 F30XBKS1-F30XBKS4
      F30LMST1-F30LMST2 F30CSTV1 INC_NO.
      F30TYPPN F30TYPPN.
      F30SEVPN F30SEVPN.
      F30MED1-F30MED3 MEDS.
      F30START F30START.
      F30TMPH F30TMPH.
      F30APPEA F30APPEA.
      F30DIST F30DIST. ;

RUN;
QUIT;
```

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 1
 CSSCD FULL COHORT PATIENTS

F30VDATE ----- VERSION DATE **DELETED**

type: numeric (int)
 label: datelab
 range: [6999,7488] units: 1
 unique values: 5 coded missing: 0 / 6091

tabulation:	Freq.	Numeric	Label
	224	6999	03/01/79
	12	7027	03/29/79
	6	7061	05/02/79
	1502	7101	06/11/79
	4347	7488	07/02/80

F30EV1 ----- ASSOCIATED EVENT 1

type: numeric (float)
 range: [0,91] units: 1
 unique values: 32 coded missing: 4846 / 6091

tabulation:	Freq.	Value	tabulation:	Freq.	Value
	1	0		1	47
	1	23		87	48
	13	30		2	49
	533	31		13	50
	137	32		107	52
	4	33		1	53
	25	34		3	60
	1	35		32	62
	60	36		11	64
	1	37		1	70
	1	38		1	81
	11	40		7	82
	1	42		17	83
	2	44		126	84
	34	46		9	90
				2	91

F30EVNT1:

1. See Appendix L for event form codes.

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 1
 CSSCD FULL COHORT PATIENTS

F30EV2 ----- ASSOCIATED EVENT 2

type: numeric (float)

range: [0,90] units: 1

unique values: 31 coded missing: 4846 / 6091

tabulation:	Freq.	Value	tabulation:	Freq.	Value
	828	0		24	46
	1	1		3	47
	2	18		21	48
	1	25		9	49
	1	26		1	51
	5	30		73	52
	31	31		1	60
	44	32		12	62
	13	33		6	64
	14	34		1	80
	4	35		2	82
	40	36		10	83
	4	37		86	84
	2	38		1	88
	3	40		2	90

F30EV2:

1. See Appendix L for event form codes.

F30EV3 ----- ASSOCIATED EVENT 3

type: numeric (float)

range: [0,84] units: 1

unique values: 22 coded missing: 4846 / 6091

tabulation:	Freq.	Value	tabulation:	Freq.	Value
	1051	0		11	46
	1	13		5	47
	9	31		5	48
	9	32		8	49
	25	33		41	52
	5	34		2	60
	3	35		5	62
	11	36		1	64
	2	37		2	82
	1	39		8	83
	1	40		39	84

F30EV3:

1. See Appendix L for event form codes.

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 1
CSSCD FULL COHORT PATIENTS

F30EV4 ----- ASSOCIATED EVENT 4

type: numeric (float)
range: [0,84] units: 1
unique values: 15 coded missing: 4845 / 6091

tabulation:	Freq.	Value
	1171	0
	1	4
	3	32
	4	33
	2	34
	3	36
	1	40
	1	44
	4	46
	1	47
	3	48
	1	49
	14	52
	1	60
	3	62
	1	64
	2	82
	2	83
	21	84

F30EV4:

1. See Appendix L for event form codes.

F30HOSP ----- HOSPITALIZED

type: numeric (float)
label: F30HOSP
range: [1,2] units: 1
unique values: 2 coded missing: 20 / 6091

tabulation:	Freq.	Numeric	Label
	2945	1	NO
	3126	2	YES

F30TRANS ----- TRANSFUSED IN LAST 6 MONTHS

type: numeric (float)
label: F30TRANS
range: [1,2] units: 1
unique values: 2 coded missing: 5648 / 6091

tabulation:	Freq.	Numeric	Label
	8	1	NO
	435	2	YES

F30TRANS:

1. Not applicable for version 7/2/80.
2. See variable F30TRNS.

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 2
CSSCD FULL COHORT PATIENTS

F30ACTIV ----- PHYSICAL ACTIVITY

type: numeric (float)
label: F30ACTIV

range: [1,3] units: 1
unique values: 3 coded missing: 1799 / 6091

tabulation:	Freq.	Numeric	Label
	443	1	INCREASE
	599	2	DECREASE
	3250	3	SAME

F30ACTIV:

1. Not collected before 7/2/80. Pain events on versions before 7/2/80 will contain missing values.

F30STRES ----- EMOTIONAL STRESS

type: numeric (float)
label: F30STRES

range: [1,3] units: 1
unique values: 3 coded missing: 1834 / 6091

tabulation:	Freq.	Numeric	Label
	626	1	INCREASE
	64	2	DECREASE
	3567	3	SAME

F30STRES:

1. Not collected before 7/2/80. Pain events on versions before 7/2/80 will contain missing values.

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 2
 CSSCD FULL COHORT PATIENTS

F30HIST ----- HISTORY BEFORE EPISODE

type: numeric (float)
 label: F30HIST

range: [1,63] units: 1
 unique values: 46 coded missing: 4114 / 6091

tabulation:

Freq.	Numeric	Label	Freq.	Numeric	Label
0	0	NO SYMPTOMS(0)	1	28	
739	1	CHILLS(1)	3	30	
54	2	HOT(2)	232	32	OTHER(32)
24	3		85	33	
284	4	COLD(4)	10	34	
107	5		3	35	
9	6		26	36	
3	7		15	37	
105	8	LESS FLUIDS(8)	1	38	
64	9		3	39	
11	10		41	40	
6	11		24	41	
12	12		1	42	
18	13		2	43	
1	14		3	44	
3	15		2	45	
43	16	MORE ALCOHOL(16)	2	47	
11	17		4	48	
3	18		2	49	
1	19		1	50	
7	20		1	52	
1	21		1	60	
1	22		1	63	
6	24		0	64	NO SYMPTOMS(64)

F30HIST:

1. Not collected before 7/2/80. Pain events on versions before 7/2/80 will contain missing values.
2. Binary coded variable. See Part II for explanation of binary coded variables.

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 2
 CSSCD FULL COHORT PATIENTS

F300LDAC ----- OLD PHYSICAL ACTIVITY

type: numeric (float)
 label: F300LDAC

range: [1,408] units: 1
 unique values: 45 coded missing: 4375 / 6091

tabulation:

Freq.	Numeric	Label	Freq.	Numeric	Label
0	0	NO ACTIVITY(0)	1	42	
909	1	USUAL(1)	2	64	PLANE(64)
17	2	UNUSUAL(2)	1	65	
2	3		47	128	EXERCISING(128)
419	4	SLEEPING(4)	16	129	
34	5		1	132	
2	6		1	133	
1	7		5	144	
17	8	SITTING(8)	1	152	
14	9		4	160	
1	10		2	161	
1	13		59	256	OTHER(256)
41	16	CHILLED(16)	25	257	
38	17		1	258	
1	18		3	260	
10	20		1	261	
5	21		4	264	
1	24		1	272	
4	25		5	384	
2	28		2	385	
4	32	OVERHEATED(32)	2	400	
6	33		1	408	
1	36		0	512	NO ACTIVITY(512)
1	40				

F300LDAC:

1. Not collected after 7/2/80. Pain events on versions after this date will contain missing values.
2. Binary coded variable. See Part II for explanation of binary coded variables.

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 2
 CSSCD FULL COHORT PATIENTS

F300LD24 ----- OLD PHYSICAL ACTIVITY

type: numeric (float)
 label: F300LD24

range: [0,208] units: 1
 unique values: 44 coded missing: 4389 / 6091

tabulation:

Freq.	Numeric	Label	Freq.	Numeric	Label
2	0	NO ACTIVITY(0)	2	66	
1277	1	USUAL(1)	1	67	
28	2	UNUSUAL(2)	4	68	
2	3		2	69	
19	4	SITTING(4)	6	72	
11	5		1	76	
1	6		3	80	
50	8	CHILLED(8)	1	81	
34	9		1	84	
9	10		1	85	
1	11		1	88	
4	12		65	128	OTHER(128)
7	13		18	129	
1	15		3	130	
17	16	OVERHEATED(16)	1	132	
5	17		3	136	
1	20		1	142	
1	25		2	144	
3	32	PLANE(32)	1	145	
1	40		11	192	
1	48		1	208	
74	64	EXERCISE(64)	0	256	NO ACTIVITY(256)
24	65				

F300LD24:

1. Not collected after 7/2/80. Pain events on versions after this date will contain missing values.
2. Binary coded variable. See Part II for explanation of binary coded variables.

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 2
 CSSCD FULL COHORT PATIENTS

F300LDDO ----- OLD PHYSICAL ACTIVITY

type: numeric (float)
 label: F300LDDO

range: [1,61] units: 1
 unique values: 40 coded missing: 5327 / 6091

tabulation:

Freq.	Numeric	Label	Freq.	Numeric	Label
0	0	NO FLUIDS(0)	1	29	
253	1	MORE FLUIDS(1)	88	32	SWEAT(32)
99	2	LESS FLUIDS(2)	50	33	
1	3		31	34	
45	4	VOMIT(4)	1	35	
22	5		7	36	
9	6		9	37	
1	7		3	38	
34	8	DIARRHEA(8)	4	40	
17	9		8	41	
1	10		2	42	
11	12		2	44	
6	13		5	45	
1	14		1	46	
21	16	ALCOHOL(16)	1	48	
4	17		3	49	
7	18		5	50	
1	21		3	53	
1	22		2	57	
2	24		1	61	
1	25		0	64	NO FLUIDS(64)

F300LDDO:

1. Not collected after 7/2/80. Pain events on versions after this date will contain missing values.
2. Binary coded variable. See Part II for explanation of binary coded variables.

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 2
 CSSCD FULL COHORT PATIENTS

F300LDWK ----- OLD PHYSICAL ACTIVITY

type: numeric (float)
 label: F300LDWK

range: [1,997] units: 1
 unique values: 132 coded missing: 5244 / 6091

tabulation:

Freq.	Numeric	Label	Freq.	Numeric	Label
0	0	NONE(0)	1	165	
36	1	ARGUMENT(1)	2	166	
29	2	FAMILY(2)	1	168	
1	3		1	192	
20	4	SCHOOL(4)	1	210	
4	5		1	224	
1	6		2	225	
3	8	BOSS(8)	42	256	ANXIETY(256)
1	9		11	257	
5	16	QUIT OR FIRED(16)	5	258	
1	17		4	260	
8	24		3	264	
9	28		1	273	
228	32	TIRED(32)	1	280	
20	33		1	281	
12	34		54	288	
2	35		6	289	
8	36		7	290	
2	37		4	292	
3	40		1	294	
3	41		1	304	
4	48		9	320	
1	56		1	321	
19	64	DECISION(64)	4	352	
4	65		2	353	
1	66		1	354	
1	68		1	368	
1	76		20	384	
1	80		1	385	
4	88		3	386	
1	89		1	388	
11	96		1	389	
2	97		1	390	
2	98		1	392	
1	112		25	416	
8	128	LONELINESS(128)	6	417	
1	129		2	418	
2	130		2	419	
1	131		1	420	
1	132		2	448	
1	135		2	449	
1	136		4	480	
1	144		2	481	
11	160		2	482	
3	161		2	483	
1	164		2	484	

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 3
CSSCD FULL COHORT PATIENTS

F30NMSIT ----- NUMBER OF SITES

type: numeric (float)
label: F30NMSIT

range: [0,9] units: 1
unique values: 10 coded missing: 79 / 6091

tabulation:	Freq.	Numeric	Label
	1	0	
	1314	1	
	1482	2	
	1386	3	
	1527	4	
	163	5	
	70	6	
	34	7	
	16	8	
	19	9	

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 3
 CSSCD FULL COHORT PATIENTS

F30SITE1 ----- SITE OF PAIN

type: numeric (float)
 label: F30SITE1

range: [1,833] units: 1
 unique values: 192 coded missing: 76 / 6091

tabulation:

Freq.	Numeric	Freq.	Numeric
159	1	16	198
1	4	27	199
1	5	9	205
5	37	9	206
3	38	23	207
1	47	4	208
1	59	20	209
5	68	1	224
3	69	9	226
4	70	2	227
5	79	25	228
1	96	69	229
190	99	6	230
14	100	4	231
7	101	6	232
4	102	1	237
77	103	3	238
1	109	22	239
3	110	4	240
4	111	1	249
4	113	19	257
1	124	40	258
6	131	1	259
6	132	115	260
105	133	42	261
2	134	44	262
3	135	12	264
2	143	11	265
1	156	6	267
1	161	1	268
4	163	5	270
14	164	1	271
35	165	6	272
11	166	1	274
6	167	2	275
3	174	2	279
6	175	2	280
2	176	1	281
1	180	2	289
2	192	4	292
1	193	5	293
1	194	2	294
54	195	1	302
30	196	1	311
88	197	6	324

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 3
 CSSCD FULL COHORT PATIENTS

F30SITE1 (continued)

tabulation:

Freq.	Numeric	Freq.	Numeric
4	326	1	608
1	353	1	611
4	356	1	613
2	357	1	616
2	358	1	629
1	366	385	631
1	368	165	632
1	384	1	634
1	385	1	636
345	388	1	637
3	389	1	639
85	390	1	640
1	398	1	645
5	400	1	647
1	412	414	665
1	416	37	666
9	420	13	667
3	422	29	668
1	423	11	669
5	430	2	670
1	431	1	674
1	432	1	676
3	451	2	678
3	452	1	693
4	454	31	697
2	455	200	698
1	473	77	699
58	484	6	700
1	485	3	701
18	486	2	702
3	494	1	719
2	496	2	727
1	513	6	729
2	515	1	730
21	516	2	731
12	518	456	732
1	519	138	733
9	526	1	762
1	528	1	767
1	532	1	794
1	537	1	795
123	564	65	798
2	565	1	801
1	566	1	803
1	572	2	804
400	597	1	821
61	598	3	822
1	599	1	823
2	607	1	825

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 3
 CSSCD FULL COHORT PATIENTS

F3OSITE1 (continued)

```

tabulation:  Freq.  Numeric  Label
              3      830
              246     831
              903     832
              102     833  INCOMPLETE(833)
  
```

F3OSITE1:

1. See Appendix F for body site locator chart.

F3OSITE2 ----- SITE OF PAIN

```

type:  numeric (float)
label:  F3OSITE2
  
```

```

range:  [1,833]          units:  1
unique values:  188      coded missing:  104 / 6091
  
```

tabulation:

Freq.	Numeric	Label	Freq.	Numeric	Label
5	1		5	164	
1	4		18	165	
1	5		12	166	
4	37		3	167	
1	38		1	174	
1	47		5	175	
2	68		4	176	
6	69		1	177	
1	70		2	192	
1	71		1	194	
1	78		33	195	
1	79		20	196	
2	98		37	197	
64	99		15	198	
7	100		43	199	
5	101		12	205	
9	102		4	206	
120	103		22	207	
8	109		9	208	
2	111		12	209	
2	112		2	226	
5	113		19	228	
3	131		22	229	
1	132		12	230	
34	133		2	231	
1	134		7	232	
8	135		1	237	
2	142		3	238	
3	143		7	239	
2	144		1	241	
1	156		1	242	
1	162		10	257	
2	163		17	258	

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 3
 CSSCD FULL COHORT PATIENTS

F30SITE2 (continued)

tabulation:

Freq.	Numeric	Label	Freq.	Numeric	Label
4	259		1	462	
86	260		1	463	
26	261		1	473	
67	262		23	484	
1	263		59	486	
20	264		1	494	
17	265		1	495	
1	267		6	496	
1	268		12	516	
5	270		22	518	
2	271		1	521	
10	272		2	527	
4	274		6	528	
5	275		1	536	
5	279		25	564	
2	280		1	566	
1	288		1	573	
1	292		1	576	
5	293		155	597	
3	294		283	598	
1	297		1	601	
1	302		1	608	
5	324		1	611	
4	326		4	612	
1	334		1	613	
8	356		1	616	
5	358		1	630	
1	361		190	631	
3	366		280	632	
1	368		3	633	
1	375		1	635	
2	384		1	642	
223	388		1	647	
3	389		1	649	
265	390		3	663	
6	398		155	665	
6	400		15	666	
1	407		11	667	
1	408		16	668	
1	410		20	669	
1	413		1	674	
6	420		1	679	
5	422		1	692	
3	430		7	697	
2	432		184	698	
1	449		181	699	
2	451		6	700	
3	452		4	701	
3	454		1	702	
1	455		2	706	

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 3
CSSCD FULL COHORT PATIENTS

F3OSITE2 (continued)

tabulation:	Freq.	Numeric	Label
	1	712	
	4	728	
	8	729	
	4	730	
	8	731	
	396	732	
	422	733	
	1	760	
	1	766	
	1	768	
	1	771	
	1	793	
	1	796	
	33	798	
	2	799	
	1	803	
	2	805	
	1	821	
	1	830	
	148	831	
	345	832	
	1405	833	INCOMPLETE(833)

F3OSITE2:

1. See Appendix F for body site locator chart.

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 3
 CSSCD FULL COHORT PATIENTS

F30SITE3 ----- SITE OF PAIN

type: numeric (float)
 label: F30SITE3

range: [37,833] units: 1
 unique values: 173 coded missing: 121 / 6091

tabulation:

Freq.	Numeric	Label	Freq.	Numeric	Label
3	37		1	217	
1	38		3	226	
1	53		3	227	
1	67		5	228	
3	68		7	229	
2	69		11	230	
2	70		5	232	
1	79		1	234	
1	80		1	236	
61	99		1	237	
8	100		2	238	
2	101		10	239	
9	102		1	240	
34	103		7	257	
1	105		27	258	
6	109		1	259	
1	110		52	260	
2	111		16	261	
1	112		43	262	
5	113		9	264	
1	123		12	265	
1	124		2	267	
3	131		1	268	
2	132		3	270	
31	133		3	271	
1	134		1	272	
1	135		2	274	
1	144		4	279	
2	163		4	280	
8	164		1	289	
14	165		1	293	
7	166		2	294	
5	167		1	304	
1	169		2	310	
2	175		1	313	
2	176		2	324	
37	195		4	326	
10	196		1	334	
16	197		1	345	
7	198		5	356	
15	199		6	358	
6	205		1	366	
2	206		2	368	
13	207		177	388	
5	208		1	389	
9	209		140	390	

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 3
 CSSCD FULL COHORT PATIENTS

F30SITE3 (continued)

tabulation:

Freq.	Numeric	Label	Freq.	Numeric	Label
1	398		1	637	
3	400		1	644	
1	410		1	646	
1	412		1	660	
4	420		1	661	
6	422		114	665	
1	430		6	666	
2	432		3	667	
1	445		8	668	
3	451		9	669	
1	452		1	672	
3	454		1	678	
50	484		5	697	
17	486		176	698	
1	487		114	699	
1	489		6	700	
5	494		4	701	
1	495		2	708	
1	496		1	710	
1	515		3	713	
4	516		1	724	
1	517		1	727	
12	518		3	729	
1	519		3	730	
1	526		2	731	
5	528		359	732	
1	529		308	733	
1	549		1	759	
29	564		1	763	
1	570		1	766	
76	597		1	770	
104	598		1	771	
1	600		19	798	
1	603		1	803	
3	612		1	822	
2	614		1	827	
150	631		2	830	
128	632		122	831	
3	633		300	832	
1	634		2821	833	INCOMPLETE (833)
1	635				

F30SITE3:

1. See Appendix F for body site locator chart.

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 3
 CSSCD FULL COHORT PATIENTS

F30SITE4 ----- SITE OF PAIN

type: numeric (float)
 label: F30SITE4

range: [69,833] units: 1
 unique values: 129 coded missing: 138 / 6091

tabulation:

Freq.	Numeric	Label	Freq.	Numeric	Label
5	69		32	262	
1	70		12	264	
1	71		6	265	
1	79		4	267	
35	99		2	268	
5	100		2	270	
2	101		2	271	
3	102		2	272	
46	103		1	274	
2	109		1	275	
1	110		3	280	
1	111		1	291	
1	112		1	292	
6	113		2	293	
15	133		1	297	
2	134		1	324	
1	135		2	326	
1	142		1	334	
1	143		1	356	
1	160		3	358	
1	163		1	375	
1	164		1	383	
6	165		1	385	
2	166		68	388	
2	167		1	389	
21	195		122	390	
7	196		2	398	
8	197		2	400	
4	198		1	413	
30	199		3	422	
4	205		3	430	
2	206		3	432	
9	207		2	454	
3	209		1	463	
1	226		33	484	
6	229		1	485	
9	230		38	486	
4	232		1	494	
2	239		1	495	
1	240		3	496	
2	242		1	515	
5	257		2	516	
8	258		9	518	
1	259		1	523	
18	260		3	526	
5	261		1	528	

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 3
 CSSCD FULL COHORT PATIENTS

F30SITE4 (continued)

tabulation:

Freq.	Numeric	Label	Freq.	Numeric	Label
19	564		1	696	
1	571		4	697	
1	574		54	698	
45	597		119	699	
50	598		6	700	
1	609		4	701	
1	614		2	728	
83	631		2	729	
101	632		3	731	
1	640		140	732	
2	641		259	733	
1	646		1	764	
1	648		1	793	
56	665		13	798	
5	666		1	823	
3	667		35	831	
3	668		106	832	
6	669		4143	833	INCOMPLETE (833)
1	675				

F30SITE4:

1. See Appendix F for body site locator chart.

F30TYPPN ----- TYPICAL PAIN AT SITE

type: numeric (float)
 label: F30TYPPN

range: [1,3] units: 1
 unique values: 3 coded missing: 90 / 6091

tabulation:	Freq.	Numeric	Label
	319	1	NO
	485	2	DK
	5197	3	YES

F30SEVPN ----- SEVERITY OF PAIN

type: numeric (float)
 label: F30SEVPN

range: [1,3] units: 1
 unique values: 3 coded missing: 141 / 6091

tabulation:	Freq.	Numeric	Label
	259	1	MILD
	2236	2	MODERATE
	3455	3	SEVERE

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 3
 CSSCD FULL COHORT PATIENTS

F30MED1 ----- MEDICATION CODE

type: numeric (float)
 label: F30MED1

range: [0,999] units: 1
 unique values: 121 coded missing: 2148 / 6091

tabulation:

Freq.	Numeric	Label	Freq.	Numeric	Label
1	0		47	192	
47	3		1	196	
3	4		1	200	
68	6		3	209	
170	7		5	220	
4	10		1	221	
2	11		30	222	
1	17		1	223	
1	18		3	228	
1	19		2	231	
1	21		16	235	
1	25		1	237	
10	28		2	239	
25	29		2	240	
3	39		1	242	
86	44		4	243	
2	45		2	244	
2	48		2	246	
2	56		1	248	
1	57		50	249	
1	66		1	254	
1	71		1	275	
1	76		1	279	
1	77		1	280	
7	79		1	285	
1	101		3	286	
1	102		1	289	
1	111		1	299	
1	121		1	318	
1	124		1	321	
169	126		1	323	
11	127		2	325	
4	128		12	328	
1	138		9	337	
1	144		11	338	
13	157		2	342	
1	158		1	349	
6	159		1	365	
61	160		2	367	
13	161		9	369	
1	163		23	371	
1	170		30	374	
375	171		253	375	
4	180		1	376	
6	190		1	404	
1	191		1	409	

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 3
 CSSCD FULL COHORT PATIENTS

F30MED1 (continued)

tabulation:

Freq.	Numeric	Label	Freq.	Numeric	Label
1	410		1	486	
1	411		1	487	
1	420		2	489	
1	426		3	490	
1	436		10	491	
2	441		1	493	
1	445		41	516	
1	448		9	519	
51	449		1	520	
1	462		2	521	
3	471		5	522	
898	480		8	545	
1166	481		1	579	
1	482		60	999	CODE UNAVAILABLE(999)
8	484				

F30MED1:

1. See Appendix D for medication codes.

F30MED2 ----- MEDICATION CODE

type: numeric (float)

label: F30MED2

range: [0,999]

units: 1

unique values: 100

coded missing: 5205 / 6091

tabulation:

Freq.	Numeric	Label	Freq.	Numeric	Label
1	0		1	128	
2	1		1	130	
1	2		1	138	
19	3		2	157	
1	4		5	160	
1	5		5	161	
7	6		1	170	
8	7		79	171	
1	10		1	174	
8	11		1	175	
9	28		1	181	
12	29		1	184	
1	42		4	190	
9	44		9	192	
1	45		1	196	
5	59		1	209	
1	61		1	211	
2	79		1	214	
1	101		3	220	
1	119		3	222	
1	121		6	235	
94	126		1	236	

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 3
 CSSCD FULL COHORT PATIENTS

F30MED2 (continued)

tabulation:

Freq.	Numeric	Label	Freq.	Numeric	Label
1	239		17	375	
1	242		1	376	
3	243		22	382	
1	248		2	404	
67	249		2	420	
1	261		1	429	
1	271		1	434	
15	279		3	436	
1	281		1	443	
1	285		1	448	
1	286		9	449	
1	290		1	457	
1	298		1	460	
1	306		1	464	
1	309		1	467	
1	314		1	470	
1	323		164	480	
1	328		101	481	
1	329		23	484	
1	331		1	489	
1	332		1	491	
1	335		9	516	
2	337		12	519	
4	338		1	521	
1	342		1	714	
5	369		1	779	
1	370		1	980	
23	371		51	999	CODE UNAVAILABLE(999)

F30MED2:

1. See Appendix D for medication codes.

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 3
 CSSCD FULL COHORT PATIENTS

F30MED3 ----- MEDICATION CODE

type: numeric (float)

label: F30MED3

range: [1,999]

units: 1

unique values: 53

coded missing: 5892 / 6091

tabulation:

Freq.	Numeric	Label	Freq.	Numeric	Label
2	1		1	231	
5	3		1	233	
1	4		1	237	
1	6		1	239	
3	11		1	240	
1	18		27	249	
1	25		1	260	
4	28		4	279	
1	29		1	318	
3	44		1	320	
1	59		2	332	
1	79		2	337	
1	81		1	338	
1	101		9	371	
1	103		2	375	
1	125		11	382	
5	126		2	420	
1	152		1	429	
3	157		3	436	
3	160		1	448	
1	161		2	449	
22	171		1	471	
1	180		17	480	
2	190		13	481	
2	191		6	484	
1	209		17	999	CODE UNAVAILABLE(999)
1	220				

F30MED3:

1. See Appendix D for medication codes.

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 3
CSSCD FULL COHORT PATIENTS

F30TRNS ----- TRANSFUSED PREV FOR EPISODE

type: numeric (float)
label: F30TRNS

range: [1,2] units: 1
unique values: 2 coded missing: 1658 / 6091

tabulation: Freq. Numeric Label
4226 1 NO
207 2 YES

F30TRNS:

1. Not collected before 7/2/80. Pain events before this version date will contain missing values.
2. Not applicable on 6/11/79 version.
3. See variable F30TRANS.

F30START ----- SOMETHING BROUGHT ON EPISODE

type: numeric (float)
label: F30START

range: [1,4] units: 1
unique values: 4 coded missing: 91 / 6091

tabulation: Freq. Numeric Label
2247 1 NO
2156 2 DK
1523 3 YES UNSPECIFIED
74 4 YES,GIVEN

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 3
CSSCD FULL COHORT PATIENTS

F30TMP ----- TEMPERATURE

type: numeric (float)
range: [35,40.9] units: .1
unique values: 57 coded missing: 191 / 6091
mean: 37.2449
std. dev: .704996
percentiles: 10% 25% 50% 75% 90%
36.5 36.8 37.1 37.6 38.1

F30TMPH ----- HOW TEMPERATURE OBTAINED

type: numeric (float)
label: F30TMPH
range: [1,2] units: 1
unique values: 2 coded missing: 305 / 6091
tabulation: Freq. Numeric Label
5415 1 ORAL
371 2 RECTAL

F30TMPH:

1. Response required only if there was a value for temperature.

F30APPEA ----- GENERAL APPEARANCE

type: numeric (float)
label: F30APPEA
range: [1,2] units: 1
unique values: 2 coded missing: 118 / 6091
tabulation: Freq. Numeric Label
1563 1 NO DISTRESS
4410 2 DISTRESS OR WITHDRAWN

F30APPEA:

1. Not collected before 7/2/80. Pain events on versions before 7/2/80 will contain missing values.

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 3
 CSSCD FULL COHORT PATIENTS

F30DIST ----- DISTRESS SIGNS

type: numeric (float)
 label: F30DIST
 range: [0,32] units: 1
 unique values: 24 coded missing: 127 / 6091

tabulation:	Freq.	Numeric	Label
	99	0	NO DISTRESS SIGNS(0)
	1581	1	GRIMACING(1)
	1037	2	CRYING(2)
	406	3	
	312	4	ABN POSTURE(4)
	379	5	
	220	6	
	272	7	
	11	8	HYSTERICAL(8)
	19	10	
	5	11	
	7	12	
	2	13	
	6	14	
	20	15	
	19	16	WITHDRAWN(16)
	6	17	
	2	18	
	4	19	
	4	20	
	4	21	
	3	22	
	1	23	
	1545	32	NO DISTRESS SIGNS(32)

F30DIST:

1. Binary coded variable. See Part II for explanation of binary coded variables.
2. For the binary code '0' (NO DISTRESS SIGNS), this question was incomplete.

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 4
CSSCD FULL COHORT PATIENTS

F3OCHTND ----- CHEST TENDERNESS

type: numeric (float)

label: F3OCHTND

range: [1,2]

units: 1

unique values: 2

coded missing: 56 / 6091

tabulation:	Freq.	Numeric	Label
	5378	1	NO
	657	2	YES

F30LUNG ----- LUNGS

type: numeric (float)

label: F30LUNG

range: [1,2]

units: 1

unique values: 2

coded missing: 57 / 6091

tabulation:	Freq.	Numeric	Label
	5738	1	NO
	296	2	YES

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 4
 CSSCD FULL COHORT PATIENTS

F30ABTS1 ----- ABDOMINAL TENDERNESS SITE

type: numeric (float)
 label: F30ABTS1
 range: [26,834] units: 1
 unique values: 37 coded missing: 2382 / 6091

tabulation:	Freq.	Numeric	Label
	1	26	
	1	99	
	1	121	
	2	164	
	53	196	
	82	197	
	11	198	
	3	207	
	15	228	
	58	229	
	12	230	
	21	260	
	37	261	
	3	262	
	1	293	
	1	390	
	1	473	
	1	641	
	1	656	
	1	660	
	1	663	
	357	665	
	94	666	
	24	667	
	35	668	
	19	669	
	14	697	
	5	698	
	1	699	
	4	700	
	2	729	
	1	730	
	1	731	
	2	732	
	2	831	
	147	833	INCOMPLETE(833)
	2694	834	NO(834)

F30ABTS1:

1. See Appendix F for body site locator chart.
2. Response required only if abdominal pain was present.

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 4
 CSSCD FULL COHORT PATIENTS

F30ABTS2 ----- ABDOMINAL TENDERNESS SITE

type: numeric (float)
 label: F30ABTS2

range: [133,834] units: 1
 unique values: 27 coded missing: 2445 / 6091

tabulation:	Freq.	Numeric	Label
	1	133	
	1	134	
	1	165	
	4	196	
	8	197	
	9	198	
	7	228	
	4	229	
	2	230	
	2	260	
	11	261	
	6	262	
	1	293	
	1	642	
	4	665	
	7	666	
	17	667	
	5	668	
	29	669	
	1	698	
	3	699	
	3	701	
	1	731	
	1	733	
	1	832	
	903	833	INCOMPLETE(833)
	2613	834	NO(834)

F30ABTS2:

1. See Appendix F for body site locator chart.
2. Response required only if abdominal pain was present.

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 4
 CSSCD FULL COHORT PATIENTS

F30ABTS3 ----- ABDOMINAL TENDERNESS SITE

type: numeric (float)
 label: F30ABTS3

range: [198,834] units: 1
 unique values: 13 coded missing: 2445 / 6091

tabulation:	Freq.	Numeric	Label
	4	198	
	1	207	
	2	230	
	4	261	
	8	262	
	2	665	
	2	667	
	3	668	
	2	669	
	1	700	
	1	701	
	1004	833	INCOMPLETE(833)
	2612	834	NO(834)

F30ABTS3:

1. See Appendix F for body site locator chart.
2. Response required only if abdominal pain was present.

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 4
 CSSCD FULL COHORT PATIENTS

F30ARTS1 ----- ABDOMINAL REBOUND TENDERNESS SITE

type: numeric (float)
 label: F30ARTS1

range: [103,834] units: 1
 unique values: 17 coded missing: 2583 / 6091

tabulation:	Freq.	Numeric	Label
	1	103	
	1	134	
	1	196	
	4	197	
	2	198	
	3	229	
	5	260	
	3	261	
	1	262	
	22	665	
	3	666	
	2	668	
	2	669	
	1	697	
	1	700	
	23	833	INCOMPLETE(833)
	3433	834	NO(834)

F30ARTS1:

1. See Appendix F for body site locator chart.
2. Response required only if abdominal pain was present.

F30ARTS2 ----- ABDOMINAL REBOUND TENDERNESS SITE

type: numeric (float)
 label: F30ARTS2

range: [196,834] units: 1
 unique values: 7 coded missing: 2649 / 6091

tabulation:	Freq.	Numeric	Label
	1	196	
	3	262	
	1	668	
	1	669	
	1	832	
	69	833	INCOMPLETE(833)
	3366	834	NO(834)

F30ARTS2:

1. See Appendix F for body site locator chart.
2. Response required only if abdominal pain was present.

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 4
CSSCD FULL COHORT PATIENTS

F30ARTS3 ----- ABDOMINAL REBOUND TENDERNESS SITE

type: numeric (float)
label: F30ARTS3

range: [198,834] units: 1
unique values: 4 coded missing: 2651 / 6091

tabulation:	Freq.	Numeric	Label
	1	198	
	1	261	
	74	833	INCOMPLETE(833)
	3364	834	NO(834)

F30ARTS3:

1. See Appendix F for body site locator chart.
2. Response required only if abdominal pain was present.

F30ABDBS ----- BOWEL SOUNDS PRESENT

type: numeric (float)
label: F30ABDBS

range: [1,2] units: 1
unique values: 2 coded missing: 3235 / 6091

tabulation:	Freq.	Numeric	Label
	1003	1	NO
	1853	2	YES

F30ABDRG ----- RIGID ABDOMEN

type: numeric (float)
label: F30ABDRG

range: [1,2] units: 1
unique values: 2 coded missing: 3243 / 6091

tabulation:	Freq.	Numeric	Label
	2780	1	NO
	68	2	YES

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 4
 CSSCD FULL COHORT PATIENTS

F30XBKS1 ----- EXTREMITIES & BACK SITE

type: numeric (float)
 label: F30XBKS1

range: [1,834] units: 1
 unique values: 82 coded missing: 4753 / 6091

tabulation:

Freq.	Numeric	Label	Freq.	Numeric	Label
1	1		1	297	
1	68		1	324	
1	79		1	325	
23	99		4	326	
2	101		1	356	
4	103		3	358	
1	110		84	388	
1	111		34	390	
2	131		1	398	
2	135		2	422	
1	163		2	452	
1	166		3	454	
2	167		11	484	
14	195		1	485	
1	197		14	486	
8	199		5	516	
4	205		3	518	
1	206		1	526	
2	207		1	528	
1	208		1	564	
6	209		1	576	
1	226		2	597	
1	227		37	631	
1	228		22	632	
1	229		1	665	
1	230		1	668	
2	231		14	698	
3	232		12	699	
2	240		1	700	
6	257		2	730	
5	258		49	732	
9	260		17	733	
5	262		1	768	
3	264		1	772	
4	265		2	798	
2	267		1	825	
1	274		1	826	
1	275		10	831	
1	279		33	832	
1	289		34	833	INCOMPLETE(833)
1	294		792	834	NO(834)

F30XBKS1:

1. See Appendix F for body site locator chart.

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 4
 CSSCD FULL COHORT PATIENTS

F30XBKS2 ----- SITE OF INFLAMMATION

type: numeric (float)
 label: F30XBKS2

range: [75,834] units: 1
 unique values: 59 coded missing: 4789 / 6091

tabulation:

Freq.	Numeric	Label	Freq.	Numeric	Label
1	75		1	356	
2	99		1	357	
2	100		1	358	
1	101		8	388	
1	102		37	390	
14	103		1	400	
1	113		1	432	
1	133		1	479	
1	135		4	484	
7	195		5	486	
3	199		3	518	
3	205		2	526	
1	207		1	527	
1	226		1	597	
1	229		2	598	
1	230		11	631	
4	257		19	632	
1	258		1	640	
2	260		1	669	
2	262		8	698	
1	263		5	699	
2	264		1	701	
3	265		1	731	
1	267		7	732	
1	272		30	733	
3	275		2	831	
1	280		7	832	
1	292		290	833	INCOMPLETE (833)
1	324		785	834	NO (834)
1	326				

F30XBKS2:

1. See Appendix F for body site locator chart.

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 4
 CSSCD FULL COHORT PATIENTS

F30XBKS3 ----- SITE OF INFLAMMATION

type: numeric (float)
 label: F30XBKS3

range: [99,834] units: 1
 unique values: 32 coded missing: 4800 / 6091

tabulation:

Freq.	Numeric	Label	Freq.	Numeric	Label
4	99		1	454	
1	100		1	464	
1	165		3	484	
1	167		1	526	
1	191		2	598	
2	195		2	632	
4	199		1	665	
1	232		3	698	
1	240		2	699	
4	258		3	700	
6	260		7	732	
2	265		7	733	
1	275		4	831	
1	358		5	832	
7	388		422	833	INCOMPLETE (833)
6	390		784	834	NO (834)

F30XBKS3:

1. See Appendix F for body site locator chart.

F30XBKS4 ----- SITE OF INFLAMMATION

type: numeric (float)
 label: F30XBKS4

range: [103,834] units: 1
 unique values: 19 coded missing: 4803 / 6091

tabulation:

Freq.	Numeric	Label	Freq.	Numeric	Label
2	103		1	420	
2	133		4	486	
1	195		1	631	
2	199		4	699	
1	230		3	701	
1	231		2	732	
1	261		3	733	
3	262		465	833	INCOMPLETE (833)
4	388		784	834	NO (834)
4	390				

F30XBKS4:

1. See Appendix F for body site locator chart.

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 4
 CSSCD FULL COHORT PATIENTS

F30LMST1 ----- LIMITED MOTION SITE

type: numeric (float)
 label: F30LMST1

range: [1,834] units: 1
 unique values: 91 coded missing: 4188 / 6091

tabulation:

Freq.	Numeric	Label	Freq.	Numeric	Label
1	1		1	292	
1	68		2	294	
1	78		2	297	
57	99		2	326	
2	100		2	356	
1	101		1	384	
2	102		170	388	
38	103		63	390	
1	110		2	398	
2	113		3	400	
2	131		1	407	
3	135		2	420	
1	143		1	422	
1	167		1	451	
1	176		26	484	
27	195		1	485	
1	196		18	486	
1	198		1	496	
18	199		2	516	
3	205		3	518	
1	206		2	526	
5	207		1	528	
9	209		1	583	
2	226		1	597	
1	228		2	598	
2	232		1	608	
2	238		1	629	
1	240		69	631	
3	257		32	632	
5	258		2	644	
63	260		3	668	
1	261		35	698	
22	262		24	699	
4	264		3	700	
6	265		1	701	
1	267		1	708	
1	270		1	718	
1	271		1	730	
2	272		120	732	
1	275		45	733	
1	279		1	768	
1	280		1	772	
1	289		9	798	

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 4
CSSCD FULL COHORT PATIENTS

F30LMST1 (continued)

tabulation:	Freq.	Numeric	Label
	23	831	
	55	832	
	117	833	INCOMPLETE(833)
	746	834	NO(834)

F30LMST1:

1. See Appendix F for body site locator chart.

F30LMST2 ----- SITE WITH LIMITED MOTION

type: numeric (float)
label: F30LMST2

range: [18,834] units: 1
unique values: 72 coded missing: 4191 / 6091

tabulation:

Freq.	Numeric	Label	Freq.	Numeric	Label
1	18		2	265	
1	56		1	267	
1	80		1	270	
5	99		2	272	
1	102		1	274	
21	103		1	275	
1	109		1	280	
1	131		1	292	
1	132		1	294	
2	135		1	326	
1	163		1	356	
2	167		3	358	
1	174		23	388	
8	195		1	389	
2	198		113	390	
11	199		1	391	
1	203		1	393	
4	205		3	398	
3	209		1	408	
1	210		2	455	
2	230		7	484	
1	232		17	486	
1	238		4	518	
2	240		1	526	
3	257		1	527	
2	258		2	598	
3	260		1	611	
30	262		12	631	
2	263		31	632	
4	264		2	646	

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 4
 CSSCD FULL COHORT PATIENTS

F30LMST2 (continued)

tabulation:

Freq.	Numeric	Label	Freq.	Numeric	Label
8	698		20	732	
21	699		98	733	
4	700		2	831	
3	701		6	832	
1	727		634	833	INCOMPLETE(833)
1	728		744	834	NO(834)

F30LMST2:

1. See Appendix F for body site locator chart.

F30CSTV1 ----- SITE WITH COSTOVERTEBRAL TENDERNESS

type: numeric (float)

label: F30CSTV1

range: [103,834]

units: 1

unique values: 26

coded missing: 5016 / 6091

tabulation:

Freq.	Numeric	Label
1	103	
1	111	
2	142	
1	144	
3	174	
1	175	
1	197	
24	206	
92	207	
16	208	
1	224	
1	228	
7	238	
2	239	
1	260	
1	261	
1	262	
1	484	
1	527	
1	667	
2	699	
1	733	
4	831	
28	832	
54	833	INCOMPLETE(833)
827	834	NO(834)

F30CSTV1:

1. See Appendix F for body site locator chart.
2. If costovertebral angle tenderness was present, a urine analysis and culture was required. If the culture showed colony > 100,000, then a Renal Complications Form (FORM 62) was to be completed.

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 4
CSSCD FULL COHORT PATIENTS

F300PHYS ----- OTHER PHYSICAL FINDINGS

type: numeric (float)
label: F300PHYS

range: [1,3] units: 1
unique values: 3 coded missing: 247 / 6091

tabulation:	Freq.	Numeric	Label
	4302	1	NO
	1513	2	YES
	29	3	MISSING

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 5
CSSCD FULL COHORT PATIENTS

F30CBCHB ----- CBC HB
type: numeric (float)
range: [2.7,15.6] units: .1
unique values: 114 coded missing: 551 / 6091
mean: 9.08886
std. dev: 1.70732
percentiles: 10% 25% 50% 75% 90%
7.1 7.9 8.9 10.1 11.3

F30CBCHC ----- CBC HCT
type: numeric (float)
range: [6.4,48.3] units: .1
unique values: 308 coded missing: 363 / 6091
mean: 26.7571
std. dev: 5.30478
percentiles: 10% 25% 50% 75% 90%
20.7 23 26 29.8 33.8

F30BCRB ----- CBC RB
type: numeric (float)
range: [.19,9.79] units: .01
unique values: 424 coded missing: 854 / 6091
mean: 3.07799
std. dev: .810068
percentiles: 10% 25% 50% 75% 90%
2.15 2.48 2.95 3.57 4.19

F30BCWB ----- CBC WB
type: numeric (float)
range: [2.3,71] units: .1
unique values: 305 coded missing: 458 / 6091
mean: 14.7644
std. dev: 5.35053
percentiles: 10% 25% 50% 75% 90%
8.7 11.1 14.3 17.8 21.2

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 5
 CSSCD FULL COHORT PATIENTS

F30CBCMV ----- CBC MCV

type: numeric (float)

range: [27,120] units: 1

unique values: 70 coded missing: 899 / 6091

mean: 88.2263

std. dev: 10.7992

percentiles:	10%	25%	50%	75%	90%
	73	81	89	96	102

F30DFPMN ----- DIFFERENTIAL PMN

type: numeric (float)

range: [2,95] units: 1

unique values: 89 coded missing: 738 / 6091

mean: 58.5449

std. dev: 14.805

percentiles:	10%	25%	50%	75%	90%
	39	48	59	70	77

F30DFBND ----- DIFFERENTIAL BANDS

type: numeric (float)

range: [0,96] units: 1

unique values: 38 coded missing: 2378 / 6091

mean: 3.49448

std. dev: 4.95867

percentiles:	10%	25%	50%	75%	90%
	0	0	2	5	9

F30DFBND:

1. Not collected before 7/2/80. Pain events on versions before 7/2/80 will contain missing values. Since this is part of the differential sum calculation, any versions before 7/2/80 will not give reliable differential sums.

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 5
CSSCD FULL COHORT PATIENTS

F30DFE0S ----- DIFFERENTIAL EOSINOPHILS

type: numeric (float)

range: [0,50] units: 1
unique values: 30 coded missing: 950 / 6091

mean: 2.4682
std. dev: 3.2322

percentiles:	10%	25%	50%	75%	90%
	0	0	1	3	6

F30DFBAS ----- DIFFERENTIAL BASOPHILS

type: numeric (float)

range: [0,64] units: 1
unique values: 19 coded missing: 1209 / 6091

mean: .507374
std. dev: 1.67634

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

F30DFLYM ----- DIFFERENTIAL LYMPHOCYTES

type: numeric (float)

range: [0,83] units: 1
unique values: 77 coded missing: 1022 / 6091

mean: 28.4001
std. dev: 12.533

percentiles:	10%	25%	50%	75%	90%
	13	19	27	37	45

F30DFMON ----- DIFFERENTIAL MONOCYTES

type: numeric (float)

range: [0,40] units: 1
unique values: 30 coded missing: 922 / 6091

mean: 6.63223
std. dev: 4.11206

percentiles:	10%	25%	50%	75%	90%
	2	4	6	9	12

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 5
CSSCD FULL COHORT PATIENTS

F30DFATC ----- DIFFERENTIAL ATYPICAL CELLS

type: numeric (float)

range: [0,25] units: 1
unique values: 17 coded missing: 1375 / 6091

mean: .382103
std. dev: 1.19361

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

F30DFMM ----- DIFFERENTIAL METAMYELOCYTES|MYELOCYTES

type: numeric (float)

range: [0,13] units: 1
unique values: 12 coded missing: 1385 / 6091

mean: .285593
std. dev: .983624

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

F30NRB ----- NUCLEATED RED BLOOD CELLS

type: numeric (float)

range: [0,80] units: 1
unique values: 54 coded missing: 1346 / 6091

mean: 3.00864
std. dev: 6.80443

percentiles:	10%	25%	50%	75%	90%
	0	0	0	3	8

F30NRB:

1. Value of 99 was entered if > 100 RBCs/100WBC.

CODEBOOK FOR CSSCD FORM 30
PAINFUL EPISODE FORM - PAGE 5
CSSCD FULL COHORT PATIENTS

F30PLATE ----- PLATELETS

type: numeric (float)

range: [0,3160] units: 1
unique values: 715 coded missing: 2404 / 6091

mean: 412.394
std. dev: 171.102

percentiles:	10%	25%	50%	75%	90%
	210	295	401	510	615

F30RETIC ----- RETICULOCYTES

type: numeric (float)

range: [0,72] units: .1
unique values: 371 coded missing: 1157 / 6091

mean: 11.4957
std. dev: 8.30761

percentiles:	10%	25%	50%	75%	90%
	2	5.1	10	16	22.3

F30BLRBN ----- TOTAL BILIRUBIN

type: numeric (float)

range: [.2,22.4] units: .1
unique values: 122 coded missing: 5222 / 6091

mean: 3.69194
std. dev: 3.06698

percentiles:	10%	25%	50%	75%	90%
	1	1.7	2.8	4.6	7.7

F30BLRBN:

1. Response required only if abdominal pain was present.

F30SRMAM ----- SERUM AMYLASE

type: numeric (float)

range: [7,832] units: 1
unique values: 126 coded missing: 5577 / 6091

mean: 84.3794
std. dev: 53.5981

percentiles:	10%	25%	50%	75%	90%
	43	55	74	97	142

F30SRMAM:

1. Response required only if abdominal pain was present.

7.1.2: Painful Event Summary – “Form” 61

F30FLOWS ----- NUMBER OF FLOWSHEETS

type: numeric (float)

range: [0,12]

units: 1

unique values: 11

coded missing: 11 / 6091

tabulation:	Freq.	Value
	3088	0
	2120	1
	677	2
	133	3
	33	4
	19	5
	3	6
	4	7
	1	8
	1	10
	1	12

F30FLOWS:

1. See section on computed variables.

F30FRM52 ----- IS THERE A 52 ON THE DATABASE

type: numeric (float)

range: [0,50]

units: 1

unique values: 10

coded missing: 11 / 6091

tabulation:	Freq.	Value
	511	0
	3256	30
	2277	31
	15	32
	4	34
	3	36
	3	38
	1	46
	9	48
	1	50

F30FRM52:

1. See section on computed variables.

F30DHOSP ----- NUMBER OF DAYS HOSPITALIZED

SECTION 7.1.2 PAINFUL EVENT SUMMARY

“FORM” 61

7.1.2: Painful Event Summary – “Form” 61

- 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 **F61DATE**
- H. New name **JF61DATE**
- I. Collection Information:

Form 54 (Painful Episode Form II), a short version of Form 30, was used to collect minimal information about painful events (visit data and hospitalization status).

 In order to facilitate calculation of painful event rates throughout the entire first phase of CSSCD, information from this form as well as the same information collected on Form 30 (Section 7.1.1) and Form 53 (Section 7.9) was combined in a single dataset (**R61.SD2**) – i.e., “Form 61” is designated as the “form” source for the data in this dataset.

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

<u>Source of Data</u>	D. <u>Time Period</u> <u>Used</u>
Form 30: Painful Episode Form	03/79 – 05/82
Form 54: Painful Episode Form II	05/82 – 12/86
Form 53: Comprehensive Special Event Form for Patients Entered at < 6 Months of Age	01/87 – 09/88

- K. Form Version Dates:

Form 30: 03/01/79, 03/29/79, 05/02/79, 06/11/79, 07/02/80

Form 54: 05/10/82

Form 53: 11/20/86

- L. Files Used to Store Information:

SAS System File: **R61.SD2**

Format File: **R61.FMT**

- M. Unique Record Identifiers: **ANONID, F61DATE**

Records within the dataset are sorted by **ANONID** and **F61DATE**.

7.1.2: Painful Event Summary – “Form” 61

N. Number of Observations (Patients) in SAS Dataset: 19,227 (2,296)

O. Contents of SAS Dataset:

- Alphabetical Listing of Variables: See p. 67
- Listing of Variables by Position: See p. 68

P. Notes About Selected Variable: None

Q. Computed Variables:

- **F61DHOSP** – is the variable name for number of days hospitalized. If the data source (**F61FORM**) was Form 30, the value was computed as described in Section 7.1.1 for **F30DHOSP**.

R. Inter-Relationship with Other Datasets:

Additional details about painful events reported on Form 30 (**F61FORM=30**) are stored in **R30.SD2** (See Section 7.1.1). Additional details about painful events reported on Form 53 (**F61FORM=53**) are stored in **R53.SD2** (See Section 7.9).

Skeletal and joint events occurring before January 1987 were reported on Form 36 (See Section 7.1.3) and those occurring between 01/87 and 10/88 were reported on Form 53 (See Section 7.9)

It is important to be aware that only a Form 54 or a Form 30 (and, therefore, only a “Form 61”) may exist where an event was more severe and should have Form 36 data instead (See Section 7.1.3).

It is also important to know that the “Form” 61 dataset (**R61.SD2**) combines painful event visits reported on Forms 30, 54, and 53 but does NOT include skeletal and joint events reported on Form 36 or osteomyelitis/septic arthritis events reported on Form 53 unless the event was also reported as a painful event.

CODEBOOK FOR CSSCD "FORM" 61

PAINFUL EVENT SUMMARY

CSSCD FULL COHORT PATIENTS

CONTENTS OF SAS DATASET: R61.SD2

DATA FROM CSSCD "FORM" 61 - PAINFUL EVENT SUMMARY

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

The CONTENTS Procedure

Data Set Name	OUT1.R61	Observations	19227
Member Type	DATA	Variables	5
Engine	V9	Indexes	0
Created	15:27 Thursday, November 16, 2006	Observation Length	40
Last Modified	15:27 Thursday, November 16, 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	4096
Number of Data Set Pages	191
First Data Page	1
Max Obs per Page	101
Obs in First Data Page	60
Number of Data Set Repairs	0
File Name	r61.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 #
3	F61DHOSP	Num	8	NUMBER OF DAYS HOSPITALIZED
4	F61FORM	Num	8	WHICH FORM WAS FILLED OUT
2	F61HOSP	Num	8	HOSPITALIZED
5	JF61DATE	Num	8	DATE FIRST SOUGHT CARE - RECODE DAYS SINCE DOE

CODEBOOK FOR CSSCD "FORM" 61

PAINFUL EVENT SUMMARY

CSSCD FULL COHORT PATIENTS

* R61.FMT contains value labels for numerical codes assigned to categorical *
* variables in the SAS dataset R61.SD2 *
*****;

* SIR/DBMS 2.2 SAS PROC STEP FROM DATABASE: CSSCD 01/31/99 12:58:11;

PROC FORMAT PRINT;

* FORMAT NO_YES used for the variable F61HOSP;

VALUE NO_YES

1 = 'NO'
2 = 'YES';

7.1.3: Skeletal & Joint Events – Form 36

F61HOSP ----- HOSPITALIZED

type: numeric (float)
label: F61HOSP

range: [1,2] units: 1
unique values: 2 coded missing: 32 / 19227

tabulation:	Freq.	Numeric	Label
	8999	1	NO
	10196	2	YES

F61DHOSP ----- NUMBER OF DAYS HOSPITALIZED

type: numeric (float)

range: [0,99] units: 1
unique values: 58 coded missing: 0 / 19227

mean: 3.03901
std. dev: 4.69719

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

F61FORM ----- WHICH FORM WAS FILLED OUT

type: numeric (float)

range: [30,54] units: 1
unique values: 3 coded missing: 0 / 19227

tabulation:	Freq.	Value
	6091	30
	256	53
	12880	54

_dta:

1. Created 06/22/00.

7.1.3: Skeletal & Joint Events – Form 36

A. List of variables deleted **F36DATE F36INIT F36NDATE F36LASTU F36LASTE
F36ESTAT F36VDATE F36DFC F36FCB F36WHENS F36WHENP F36MMD1
F36MMD2 F36MMD3 F36PEB F36LABDT**

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 **F36DATE F36WHENS F36WHEMP**

H. New name **JF36DATE F36WHENS J36WHEMP**

I. Collection Information:

Form 36 (Skeletal & Joint Events), was completed each time a study patient was seen at a CSSCD clinic, emergency room, or hospital for an acute painful episode and lasting > 7 days (Bone Infarction); or the same involving the identification of an etiologic agent by culture (Osteomyelitis), or joint swelling with pain or effusion without trauma in the last three days (Joint Swelling). (as per Skeletal & Joint definition – See Section 7.1.0)

 Pain episodes of the bone with < 7 days duration were collected on one of the Painful Episode forms – Form 30 or Form 54.

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

 Form 36 was used between 03/79 and 06/86 for the entire cohort and continued to be used through 12/86 for the infant cohort.

K. Form Version Dates: 03/01/79, 05/02/79, 08/11/80

 Not all information from all form versions were retained to the final database. Variables considered unimportant or unusable from early versions of the form were dropped from the final dataset. Consequently, the codebook coincides closely with the latest version of Form 36.

L. Files Used to Store Information:

 SAS System File: **R36.SD2**

 Format File: **R36.FMT**

M. Unique Record Identifiers: **ANONID, F36DATE**

N. Number of Observations (Patients) in SAS Dataset: 455 (305)

7.1.3: Skeletal & Joint Events – Form 36

O. Contents of SAS Dataset:

- Alphabetical Listing of Variables: See pp. 77-79
- Listing of Variables by Position: See pp. 80-81

P. Notes About Selected Variables:

- **F36CBCWB** – is the CBC White Blood Cell Count variable assumed to be “uncorrected” in relation to nucleated red blood cells (nRBCs). There is a 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.
- **F36NRB** – is the Nucleated Red Blood Cell variable. The field length is 2-digits. If there were more than 100 nRBCs/100 WBCs, then a value of 99 was entered.
- **WBC Differential Variables** – When any of the following (**F36DFPMN**, **F36DFBND**, **F36DFEOS**, **F36DFBAS**, **F36DFLYM**, **F36DFMON**, **F36DFMM**, **F36DFATC**) 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 differential variables with missing values are assumed to have a value of “0”.
- **Culture Code Variables** – (**F36BLCL1**, **F36BLCL2**, **F36BONE1**, **F36BONE2**, **F36JNT1**, **F36JNT2**) have the following anomaly. Although code (404) designates “Salmonella typhi” and (405) is “Salmonella non-typhi,” many forms did not specify the species. Therefore, any form listing “Salmonella” alone was assigned a code of (404).
- **F36XRAY** – An x-ray was required on admission for a skeletal & joint event, and the results are stored in this variable. A follow-up x-ray is required for such events and stored in variable **F31XRAY** on Form 31, the Painful Episode/Skeletal & Joint Flow Sheet.

Q. Computed Variables:

- **F36FLOWS** – is the number of follow-up hospitalization or “flow” sheets, in this case Form 31 or Form 37 sheets, associated with a given Form 36. It was derived by linking “Record 31” (or “Record 37” before 10/01/80) with “Record 36” by date (**F31DATE** or **F37DATE** with **F36DATE**) patient first sought care, and counting the number of forms that linked up.

7.1.3: Skeletal & Joint Events – Form 36

- **F36DHOSP** – is the number of days that data were collected on hospitalized skeletal & joint events. The number was derived by linking “Record 36” with all “Record 31s” (or “Record 37s” before 10/01/80) by date care was sought (**F36DATE** with **F31DATE** or **F37DATE**) 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).
- **F36FRM52** – is the type code associated with a Form 52 (Acute Event Treatment Follow-up) for the same date as the skeletal & joint event (**F52DATE**, **F36DATE**). The variable that indicates which event a “Record 52” is associated with is **F52TYPE**. Therefore, the **F36FRM52** variable is made = **F52TYPE** for the same date care was sought. If treatment information for the event was collected on Form 31 or Form 33, **F36FRM52** will equal 31 or 33, respectively.

R. Inter-Relationship with Other Datasets:

1. Skeletal & Joint Events were also collected on:

Phase 1 Forms	SAS Dataset
Form 53	R53.SD2
Form 30	R30.SD2
Form 54	R61.SD2

[See Sections 7.1.1, 7.1.2, 7.9]

Form 53, the Comprehensive Special Event Form for Patients Entered at < 6 Months of Age, was used to continue collection of skeletal & joint information on the newborn cohort from 01/01/87 through the end of CSSCD Phase 1 (09/88). This form was used to record information about both hospitalized and non-hospitalized skeletal events.

In theory, there should be no relationship between pain episode forms and skeletal & joint forms other than Form 36 records the more severe event than the Form 30/Form 54. However, in truth, the definitional boundaries were crossed, and some of the following overlaps occur. The most common of these would be duplicates, a Form 30 and a Form 36 made out at the same date sought care (**F30DATE** = **F36DATE**). A second problem identified during the study, was the lack of a Form 36 completion to document the increasing severity of the event. This becomes a problem in identifying the most severe and rare cases of pain/bone problems, i.e., osteomyelitis/septic arthritis. It is important to be aware that only a Form 54, or a Form 30, may exist where an event actually was more severe, and should have Form 36 data instead. The following

7.1.3: Skeletal & Joint Events – Form 36

description of record access, in order to identify osteomyelitis cases, allows clarification of some of the above problems.

2. Osteomyelitis events can be distinguished from other skeletal & joint events by subsetting the dataset according to positive answers on the following variables:

Blood Culture	F36BLDCL, F36BLCL1, F36BLCL2
Bone Culture	F36BONE, F36BONE1, F36BONE2
Joint Culture	F36JOINT, F36JNT1, F36JNT2

Additionally, the following forms are queried for ICDA code indications of final diagnosis or surgical diagnosis appropriate to Osteomyelitis (ICDA=711-712, 730-731).

Form	SAS Dataset	Name
83	R83.SD2	Surgery
90	R90.SD2	Non-SCD Hospitalization
52	R52.SD2	Acute Event Treatment Follow-up

Querying these forms is valuable in distinguishing whether a given osteomyelitis or skeletal & joint event worsened to require surgery, and can provide the chronological sequencing for such worsening. Querying these forms for ICDA codes will also identify those events which may have occurred, but were not documented by a Form 36 (i.e., missed, or documented on a Form 30 or Form 54 initially).

3. Follow-up and treatment information was collected on:

Phase 1 Forms	SAS Dataset
Form 37	R37.SD2
Form 31	R31.SD2
Form 52	R52.SD2

All of the above mentioned records should be merged with the appropriate skeletal & joint event "Record 36" by the date of the skeletal & joint event (i.e., if **F37DATE=F36DATE**, or if **F31DATE=F36DATE**, or if **F52DATE=F36DATE**).

- a. Skeletal & joint event treatment follow-up was recorded on Form 37 (Skeletal & Joint Flow Sheet from 03/01/79 through 10/01/80). After 10/01/80 treatment follow-up was recorded on Form 31 (Painful Episode/Skeletal & Joint Event Flow Sheet & Treatment Follow-up). There are distinct differences between the data collected on each of

7.1.3: Skeletal & Joint Events – Form 36

these forms, and the formats of both flow sheets and variables in the corresponding datasets (**R37.SD2** and **R31.SD2**) should be studied carefully before attempting to use treatment data collected before 10/01/80 with treatment data collected thereafter.

- b. Form 37 is the Skeletal & Joint Event Flow Sheet. Form 37 data are stored in **R37.SD2**. The form was completed (03/01/79 – 10/01/80) if the patient was either hospitalized or seen on a daily basis as an outpatient for a skeletal & joint event (per definition – See Section 7.1.0).

It contains daily and summary information from day 2 of hospitalization for the event through discharge. Each “Record 37” contains 6 days of hospital information, so consequently, multiple “Record 37s” could exist for a given skeletal & joint event dependent on length of stay.

“Record 37s” within the SAS dataset are sorted by **ANONID**, **F37DATE**, and flow sheet number: **F37SHEET**. Therefore, information for hospital days 2-7 should be on **F37SHEET=1**; days 8-13 on **F37SHEET=2**, etc.

- c. Form 31 is the Painful Episode/Skeletal & Joint Event Flow Sheet & Treatment Follow-up. Form 31 data are stored in **R31.SD2**. The form was completed (10/01/80 – 12/31/86) if the patient was either hospitalized or seen on a daily basis as an outpatient for a skeletal & joint event.

It contains daily and summary information from day 2 of hospitalization for the event through discharge. Each “Record 31” contains 6 days of hospital information, so consequently, multiple “Record 31s” could exist for a given pain episode, dependent on length of stay.

“Record 31s” within the SAS dataset are sorted by **ANONID**, **F31DATE** and flow sheet number: **F31SHEET**. Therefore, information for hospital days 2-7 should be on **F31SHEET=1**; days 8-13 on **F31SHEET=2**, etc.

- d. Form 52 is the Acute Event Treatment Follow-up form (stored in

7.1.3: Skeletal & Joint Events – Form 36

R52.SD2) that collects summary treatment information for skeletal & joint events from 03/01/79 through 06/01/86 for all patients, and from 06/01/86 through 12/31/86 only for patients entered at < 6 months of age (newborn cohort). 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 Form 31 for hospitalized events. No such treatment information is included on Form 37s, so Form 52s with the same date as **F37DATE** must be queried to obtain this additional data.

This form 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 36” with a “Record 52” the date patient first sought care is used (i.e., **F52DATE=F36DATE**). When **F36FRM52=31** or **F36FRM52=33**, then treatment information is stored in **R31.SD2** or **R33.SD2**, and “Record 36” should be merged by date to records in **R31.SD2** or **R33.SD2** for treatment, resolution of symptoms, and diagnostic data (e.g., if **F30FRM52=31**, then **F31DATE=F36DATE** or if **F30FRM52=33** then **F33DATE=F36DATE**).

CODEBOOK FOR CSSCD FORM 36

SKELETAL & JOINT EVENTS

CSSCD FULL COHORT PATIENTS

CONTENTS OF SAS DATASET: R36.SD2

DATA FROM CSSCD FORM 36 - SKELETAL AND JOINT EVENTS

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

IN THE SAS DATASET AND ON FORM 36

The CONTENTS Procedure

Data Set Name	OUT1.R36	Observations	455
Member Type	DATA	Variables	73
Engine	V9	Indexes	0
Created	15:41 Thursday, November 16, 2006	Observation Length	544
Last Modified	15:41 Thursday, November 16, 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	16
First Data Page	1
Max Obs per Page	30
Obs in First Data Page	12
Number of Data Set Repairs	0
File Name	r36.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 #
48	F36BLCL1	Num	8	BLOOD MICROBIOLOGY CULTURE
49	F36BLCL2	Num	8	BLOOD MICROBIOLOGY CULTURE
47	F36BLDCL	Num	8	BLOOD CULTURE
50	F36BONE	Num	8	BONE ASPIRATE
51	F36BONE1	Num	8	BONE ASPIRATE ORGANISM
52	F36BONE2	Num	8	BONE ASPIRATE ORGANISM
32	F36CBCHB	Num	8	CBC HB
33	F36CBCHC	Num	8	CBC HCT
36	F36CBCMV	Num	8	CBC MCV
34	F36BCRB	Num	8	CBC RBC
35	F36BCWB	Num	8	CBC WBC
43	F36DFATC	Num	8	DIFFERENTIAL ATYPICAL CELLS
40	F36DFBAS	Num	8	DIFFERENTIAL BASOPHILS
38	F36DFBND	Num	8	DIFFERENTIAL BANDS
39	F36DFEOS	Num	8	DIFFERENTIAL EOSINOPHILS
41	F36DFLYM	Num	8	DIFFERENTIAL LYMPHOCYTES
44	F36DFMM	Num	8	DIFFERENTIAL METAMYELOCYTES MYELOCYTES
42	F36DFMON	Num	8	DIFFERENTIAL MONOCYTES
37	F36DFPMN	Num	8	DIFFERENTIAL PMN
66	F36DHOSP	Num	8	NUMBER OF DAYS HOSPITALIZED

CODEBOOK FOR CSSCD FORM 36

SKELETAL & JOINT EVENTS

CSSCD FULL COHORT PATIENTS

28	F36EFF	Num	8	EFFUSION
67	F36EV1	Char	2	ASSOCIATED EVENT CODE 1
68	F36EV2	Char	2	ASSOCIATED EVENT CODE 2
69	F36EV3	Char	2	ASSOCIATED EVENT CODE 3
70	F36EV4	Char	2	ASSOCIATED EVENT CODE 4
30	F36FIXED	Num	8	FIXED DEFORMITY
64	F36FLOWS	Num	8	NUMBER OF FLOWSHEETS
65	F36FRM52	Num	8	IS THERE A 52 ON THE DATABASE
63	F36HBS	Num	8	HB S %
2	F36HOSP	Num	8	HOSPITALIZED
8	F36INF	Num	8	INFECTION OR FEVER
27	F36INFL	Num	8	SIGNS OF INFLAMMATION
56	F36JNT1	Num	8	JOINT FLUID ORGANISM
57	F36JNT2	Num	8	JOINT FLUID ORGANISM
55	F36JOINF	Num	8	JOINT FLUID
54	F36JOINT	Num	8	JOINT ASPIRATION
58	F36JWBC	Num	8	JOINT ASPIRATION WBC
29	F36LIMIT	Num	8	LIMITATION OF MOTION
13	F36MDT1	Num	8	MEDICATION DAYS TAKEN
15	F36MDT2	Num	8	MEDICATION DAYS TAKEN
17	F36MDT3	Num	8	MEDICATION DAYS TAKEN
11	F36MED	Num	8	TAKEN ANY MEDICATION
12	F36MED1	Num	8	MEDICATION CODE
14	F36MED2	Num	8	MEDICATION CODE
16	F36MED3	Num	8	MEDICATION CODE
59	F36MUCIN	Num	8	JOINT ASPIRATION MUCIN CLOT
21	F36NMSIT	Num	8	NUMBER OF SITES
45	F36NRB	Num	8	NUCLEATED RED BLOOD CELLS
31	F36OPHYS	Num	8	OTHER PHYSICAL FINDINGS
26	F36OSST	Num	8	OSSEUS TENDERNESS
10	F36OTHER	Num	8	OTHER
5	F36PAIN	Num	8	PAIN?
61	F36RED	Num	8	RED
46	F36RETIC	Num	8	RETICULOCYTES
6	F36SEVPN	Num	8	SEVERITY OF PAIN
22	F36SITE1	Char	3	SITECODES
23	F36SITE2	Char	3	SITECODES
24	F36SITE3	Char	3	SITECODES
25	F36SITE4	Char	3	SITECODES
4	F36SWELL	Num	8	SWELLING?
19	F36TMP	Num	8	TEMPERATURE
20	F36TMPH	Num	8	HOW TEMPERATURE TAKEN
3	F36TRANS	Num	8	TRANSFUSED
9	F36TRAUM	Num	8	TRAUMA
18	F36TRNS	Num	8	TRANSFUSION FOR EPISODE
7	F36TYPPN	Num	8	TYPICAL SICKLE CELL PAIN
62	F36URA	Num	8	URIC ACID
60	F36URAC	Num	8	URIC ACID CRYSTALS
53	F36XRAY	Num	8	XRAY
73	J36WHENP	Num	8	WHEN PAIN BEGAN - RECODE DAYS SINCE DOE
72	J36WHENS	Num	8	WHEN SWELLING BEGAN - RECODE DAYS SINCE DOE
71	JF36DATE	Num	8	DATE FIRST SOUGHT CARE - RECODE DAYS SINCE DOE

CODEBOOK FOR CSSCD FORM 36

SKELETAL & JOINT EVENTS

CSSCD FULL COHORT PATIENTS

* R36.FMT contains value labels for numerical codes assigned to categorical *

* variables in the SAS dataset R36.SD2

*

*****;

* SIR/DBMS 2.2 SAS DATA STEP FROM DATABASE: CSSCD 11/14/98 10:56:11;

PROC FORMAT;

* FORMAT NO_YES used for the following variables:

F36HOSP F36TRANS F36SWELL

F36PAIN F36TYPPN F36MED

F36TRNS F36OSST F36INFL

F36EFF F36LIMIT F36FIXED

F36OPHYS F36URAC F36RED;

VALUE NO_YES

1 = 'NO'

2 = 'YES';

VALUE F36SEVPN

1 = 'MILD'

2 = 'MODERATE'

3 = 'SEVERE';

* FORMAT NODKYES used for the following variables: F36INF F36TRAUM
F36OTHER;

VALUE NODKYES

1 = 'NO'

2 = 'DK'

3 = 'YES';

VALUE F36TMPH

1 = 'ORAL'

2 = 'RECTAL';

* FORMAT NEG_POS used for the following variables: F36BLDCL F36BONE
F36JOINF;

VALUE NEG_POS

1 = 'POSITIVE'

2 = 'NEGATIVE';

* FORMAT ABN_NORM used for the following variables: F36XRAY F36JOINT
F36MUCIN;

VALUE ABN_NORM

1 = 'NORMAL'

2 = 'ABNORMAL';

* FORMAT

F36HOSP F36TRANS F36SWELL

F36PAIN F36TYPPN F36MED F36TRNS

CODEBOOK FOR CSSCD FORM 36

SKELETAL & JOINT EVENTS

CSSCD FULL COHORT PATIENTS

F36OSST F36INFL F36EFF F36LIMIT
F36FIXED F36OPHYS F36URAC F36RED NO_YES.
F36SEVPN F36SEVPN.
F36INF F36TRAUM F36OTHER NODKYES.
F36TMPH F36TMPH.
F36BLDCL F36BONE F36JOINF NEG_POS.
F36XRAY F36JOINT F36MUCIN ABN_NORM.;

RUN;
QUIT;

CODEBOOK FOR CSSCD FORM 36
SKELETAL & JOINT EVENTS - PAGE 1
 CSSCD FULL COHORT PATIENTS

F36VDATE ----- VERSION DATE **DELETED**

type: numeric daily date (int)
 label: datelab

range: [6999,7528] units: 1
 or equivalently: [01mar1979,11aug1980] units: days
 unique values: 3 coded missing: 0 / 455

tabulation:	Freq.	Numeric	Label
	66	6999	03/01/79
	11	7061	05/02/79
	378	7528	08/11/80

F36EV1 ----- ASSOCIATED EVENT CODE 1

type: string (str2)

unique values: 21 coded missing: 163 / 455

tabulation:	Freq.	Value
	114	"30"
	27	"31"
	15	"32"
	1	"34"
	1	"36"
	4	"37"
	3	"38"
	2	"40"
	1	"44"
	3	"46"
	30	"48"
	6	"52"
	44	"54"
	1	"59"
	1	"62"
	1	"64"
	1	"82"
	10	"83"
	24	"84"
	1	"86"
	2	"90"

F36EV1:

1. Response required only if there was an associated event.
2. See Appendix L for event codes.

CODEBOOK FOR CSSCD FORM 36
SKELETAL & JOINT EVENTS - PAGE 1
CSSCD FULL COHORT PATIENTS

F36EV2 ----- ASSOCIATED EVENT CODE 2
 type: string (str2)

 unique values: 17 coded missing: 163 / 455

tabulation:

Freq.	Value	Freq.	Value
124	"00"	4	"49"
13	"30"	14	"52"
55	"31"	6	"54"
9	"32"	2	"60"
3	"33"	3	"64"
1	"34"	8	"83"
1	"37"	22	"84"
10	"46"	2	"90"
15	"48"		

F36EV2:

1. Response required only if there was at least 1 associated event.
2. See Appendix L for event codes.

F36EV3 ----- ASSOCIATED EVENT CODE 3
 type: string (str2)

 unique values: 20 coded missing: 163 / 455

tabulation:

Freq.	Value	Freq.	Value
198	"00"	3	"48"
2	"30"	2	"49"
6	"31"	37	"52"
4	"32"	5	"54"
1	"33"	1	"62"
1	"34"	1	"64"
2	"36"	1	"82"
4	"37"	3	"83"
1	"40"	15	"84"
4	"46"	1	"90"

F36EV3:

1. Response required only if there was at least 1 associated event.
2. See Appendix L for event codes.

CODEBOOK FOR CSSCD FORM 36
SKELETAL & JOINT EVENTS - PAGE 1
CSSCD FULL COHORT PATIENTS

F36EV4 ----- ASSOCIATED EVENT CODE 4

type: string (str2)

unique values: 16

coded missing: 163 / 455

tabulation:	Freq.	Value
	255	"00"
	4	"31"
	3	"32"
	1	"33"
	1	"35"
	2	"37"
	2	"46"
	1	"47"
	2	"49"
	7	"52"
	3	"54"
	1	"62"
	1	"64"
	2	"83"
	6	"84"
	1	"90"

F36EV4:

1. Response required only if there was at least 1 associated event.
2. See Appendix L for event codes.

F36HOSP ----- HOSPITALIZED

type: numeric (float)
label: F36HOSP

range: [1,2]
unique values: 2

units: 1
coded missing: 0 / 455

tabulation:	Freq.	Numeric	Label
	74	1	NO
	381	2	YES

F36TRANS ----- TRANSFUSED

type: numeric (float)
label: F36TRANS

range: [1,2]
unique values: 2

units: 1
coded missing: 79 / 455

tabulation:	Freq.	Numeric	Label
	303	1	NO
	73	2	YES

CODEBOOK FOR CSSCD FORM 36
SKELETAL & JOINT EVENTS - PAGE 2
CSSCD FULL COHORT PATIENTS

F36SWELL ----- SWELLING?

type: numeric (float)
label: F36SWELL

range: [1,2] units: 1
unique values: 2 coded missing: 78 / 455

tabulation: Freq. Numeric Label
179 1 NO
198 2 YES

F36PAIN ----- PAIN?

type: numeric (float)
label: F36PAIN

range: [1,2] units: 1
unique values: 2 coded missing: 79 / 455

tabulation: Freq. Numeric Label
6 1 NO
370 2 YES

F36SEVPN ----- SEVERITY OF PAIN

type: numeric (float)
label: F36SEVPN

range: [1,3] units: 1
unique values: 3 coded missing: 93 / 455

tabulation: Freq. Numeric Label
13 1 MILD
100 2 MODERATE
249 3 SEVERE

F36SEVPN:
1. Response required only if F36PAIN=2.

F36TYPPN ----- TYPICAL SICKLE CELL PAIN

type: numeric (float)
label: F36TYPPN

range: [1,2] units: 1
unique values: 2 coded missing: 107 / 455

tabulation: Freq. Numeric Label
108 1 NO
240 2 YES

F36TYPPN:
1. Response required only if F36PAIN=2.

CODEBOOK FOR CSSCD FORM 36
SKELETAL & JOINT EVENTS - PAGE 2
CSSCD FULL COHORT PATIENTS

F36INF ----- INFECTION OR FEVER

type: numeric (float)
label: F36INF

range: [1,3] units: 1
unique values: 3 coded missing: 4 / 455

tabulation:	Freq.	Numeric	Label
	318	1	NO
	9	2	DK
	124	3	YES

F36TRAUM ----- TRAUMA

type: numeric (float)
label: F36TRAUM

range: [1,3] units: 1
unique values: 3 coded missing: 5 / 455

tabulation:	Freq.	Numeric	Label
	421	1	NO
	9	2	DK
	20	3	YES

F36OTHER ----- OTHER

type: numeric (float)
label: F36OTHER

range: [1,3] units: 1
unique values: 3 coded missing: 6 / 455

tabulation:	Freq.	Numeric	Label
	361	1	NO
	9	2	DK
	79	3	YES

CODEBOOK FOR CSSCD FORM 36
SKELETAL & JOINT EVENTS - PAGE 2
 CSSCD FULL COHORT PATIENTS

F36MED ----- TAKEN ANY MEDICATION

type: numeric (float)
 label: F36MED

range: [1,2] units: 1
 unique values: 2 coded missing: 4 / 455

tabulation:	Freq.	Numeric	Label
	129	1	NO
	322	2	YES

F36MED1 ----- MEDICATION CODE

type: numeric (float)

range: [3,999] units: 1
 unique values: 45 coded missing: 135 / 455

tabulation:

Freq.	Value	Freq.	Value
2	3	6	249
4	6	1	274
11	7	1	286
1	11	1	287
5	28	2	328
3	29	3	337
7	44	7	338
1	71	1	369
10	126	1	370
1	127	3	371
2	159	6	374
6	160	16	375
3	161	6	449
1	167	1	462
39	171	1	470
1	190	50	480
10	192	73	481
1	220	1	516
1	221	1	522
1	228	1	537
4	231	1	564
1	244	21	999
1	248		

F36MED1:

1. Required only if F36MED=2.
2. See Appendix D - CODED DRUG LIST.
3. Patients may have indicated only one or all three depending on the type(s) of medication.

CODEBOOK FOR CSSCD FORM 36
SKELETAL & JOINT EVENTS - PAGE 2
CSSCD FULL COHORT PATIENTS

F36MDT1 ----- MEDICATION DAYS TAKEN

type: numeric (float)

range: [0,9]

units: 1

unique values: 10

coded missing: 169 / 455

tabulation:

Freq.	Value
1	0
123	1
42	2
24	3
17	4
19	5
13	6
16	7
6	8
25	9

F36MDT1:

1. Required only if F36MED=2.

CODEBOOK FOR CSSCD FORM 36
SKELETAL & JOINT EVENTS - PAGE 2
 CSSCD FULL COHORT PATIENTS

F36MED2 ----- MEDICATION CODE

type: numeric (float)

range: [3,999] units: 1
 unique values: 39 coded missing: 357 / 455

tabulation:

Freq.	Value	Freq.	Value
1	3	2	337
1	7	1	344
1	11	1	367
1	25	1	369
1	28	2	375
1	33	4	382
2	44	1	417
3	59	1	441
1	102	2	449
11	126	1	464
2	160	7	480
12	171	7	481
4	192	2	484
1	222	1	516
1	231	3	519
3	249	2	541
1	253	1	562
1	279	2	579
2	287	6	999
1	290		

F36MED2:

1. Required only if F36MED2=2 and >1 medication taken.
2. See Appendix D - CODED DRUG LIST.
3. Patients may have indicated only one or all three depending on the type(s) of medication.

F36MDT2 ----- MEDICATION DAYS TAKEN

type: numeric (float)

range: [1,9] units: 1
 unique values: 9 coded missing: 376 / 455

tabulation:

Freq.	Value
21	1
9	2
8	3
5	4
5	5
6	6
10	7
3	8
12	9

F36MDT2:

1. Required only if F36MED2>1.

CODEBOOK FOR CSSCD FORM 36
SKELETAL & JOINT EVENTS - PAGE 2
 CSSCD FULL COHORT PATIENTS

F36MED3 ----- MEDICATION CODE

type: numeric (float)

range: [3,999] units: 1

unique values: 24 coded missing: 425 / 455

tabulation:

Freq.	Value	Freq.	Value
1	3	1	337
1	21	1	371
2	28	1	372
1	57	2	375
1	102	2	382
2	171	1	391
1	191	2	417
1	192	1	436
1	231	1	449
1	233	2	480
1	249	1	481
1	328	1	999

F36MED3:

1. Required only if F36MED=2 and >2 medications taken.
2. See Appendix D - CODED DRUG LIST.
3. Patients may have indicated only one or all three depending on the type(s) of medication.

F36MDT3 ----- MEDICATION DAYS TAKEN

type: numeric (float)

range: [1,9] units: 1

unique values: 9 coded missing: 432 / 455

tabulation:

Freq.	Value
2	1
3	2
5	3
3	4
2	5
3	6
1	7
1	8
3	9

F36MDT3:

1. Required only if F36MED3>1.

CODEBOOK FOR CSSCD FORM 36
SKELETAL & JOINT EVENTS - PAGE 2
CSSCD FULL COHORT PATIENTS

F36TRNS ----- TRANSFUSION FOR EPISODE

type: numeric (float)
label: F36TRNS

range: [1,2] units: 1
unique values: 2 coded missing: 9 / 455

tabulation:	Freq.	Numeric	Label
	399	1	NO
	47	2	YES

CODEBOOK FOR CSSCD FORM 36
SKELETAL & JOINT EVENTS - PAGE 3
CSSCD FULL COHORT PATIENTS

F36TMP ----- TEMPERATURE

 type: numeric (float)

 range: [34.4,41.3] units: .1

unique values: 50 coded missing: 6 / 455

 mean: 37.6472

 std. dev: .946916

percentiles: 10% 25% 50% 75% 90%

 36.7 37 37.4 38.2 39

F36TMPH ----- HOW TEMPERATURE TAKEN

 type: numeric (float)

 label: F36TMPH

 range: [1,2] units: 1

unique values: 2 coded missing: 12 / 455

tabulation: Freq. Numeric Label

404	1	ORAL
39	2	RECTAL

F36NMSIT ----- NUMBER OF SITES

 type: numeric (float)

 range: [1,8] units: 1

unique values: 8 coded missing: 7 / 455

tabulation: Freq. Value

175	1
119	2
67	3
72	4
8	5
5	6
1	7
1	8

CODEBOOK FOR CSSCD FORM 36
SKELETAL & JOINT EVENTS - PAGE 3

CSSCD FULL COHORT PATIENTS

F36SITE1 ----- SITECODES

type: string (str3)

unique values: 90

coded missing: 18 / 455

tabulation:

Freq.	Value	Freq.	Value
1	"16"	1	"I16"
1	"26"	1	"I18"
2	"135"	2	"I23"
1	"205"	2	"J01"
1	"262"	2	"J02"
1	"274"	1	"J04"
1	"297"	1	"J05"
1	"388"	1	"J09"
2	"631"	2	"K04"
1	"698"	1	"K06"
2	"A01"	59	"M04"
1	"A15"	19	"M06"
1	"C05"	2	"M14"
12	"D03"	2	"M16"
3	"D04"	1	"M26"
3	"D05"	3	"N04"
10	"D07"	1	"N06"
1	"D13"	2	"N14"
1	"D17"	1	"N29"
2	"E03"	5	"O04"
5	"E05"	2	"O06"
1	"E06"	12	"P04"
1	"E07"	9	"P06"
1	"F04"	2	"P14"
3	"F05"	1	"P16"
1	"F06"	1	"Q04"
1	"F07"	3	"Q06"
12	"G03"	1	"Q14"
1	"G04"	2	"Q16"
12	"G07"	2	"R20"
8	"G13"	1	"S21"
1	"G15"	1	"S22"
6	"G17"	21	"T23"
2	"H02"	12	"T24"
1	"H05"	7	"U25"
3	"H08"	1	"U26"
1	"H13"	2	"V25"
1	"H50"	12	"V26"
6	"I02"	6	"V27"
14	"I04"	30	"W28"
9	"I06"	15	"W29"
2	"I08"	1	"Y30"
1	"I09"	3	"Z31"
1	"I11"	37	"Z32"
1	"I15"	1	"d07"

F36SITE1:

1. See Appendix F - BODY LOCATOR CHARTS/SITE CODE LISTS.

CODEBOOK FOR CSSCD FORM 36
SKELETAL & JOINT EVENTS - PAGE 3
 CSSCD FULL COHORT PATIENTS

F36SITE2 ----- SITECODES
 type: string (str3)

unique values: 82 coded missing: 178 / 455

tabulation:

Freq.	Value	Freq.	Value
1	"27"	2	"I24"
1	"260"	1	"J02"
1	"326"	1	"J09"
1	"632"	1	"L15"
1	"698"	24	"M04"
1	"732"	42	"M06"
1	"A25"	1	"M14"
1	"B15"	1	"M16"
4	"D03"	1	"N04"
1	"D05"	1	"N06"
1	"D06"	1	"N15"
7	"D07"	1	"N16"
2	"D13"	1	"O04"
1	"D17"	1	"O06"
1	"E03"	1	"O16"
2	"E05"	5	"P04"
1	"E06"	6	"P06"
2	"E07"	3	"P14"
1	"F03"	3	"Q04"
1	"F05"	1	"Q06"
2	"F06"	2	"Q14"
1	"F07"	1	"Q16"
1	"F13"	1	"R06"
1	"F32"	1	"R20"
1	"G02"	2	"S21"
4	"G03"	4	"S22"
6	"G07"	1	"T05"
4	"G13"	4	"T23"
1	"G16"	13	"T24"
2	"G17"	1	"U23"
1	"H03"	5	"U25"
1	"H05"	4	"V26"
1	"H06"	13	"V27"
2	"I01"	2	"V28"
2	"I02"	1	"W06"
3	"I04"	1	"W25"
5	"I06"	12	"W28"
3	"I08"	21	"W29"
1	"I14"	3	"Z31"
1	"I16"	10	"Z32"
1	"I18"	1	"t26"

F36SITE2:

1. See Appendix F - BODY LOCATOR CHARTS/SITE CODE LISTS.

CODEBOOK FOR CSSCD FORM 36
SKELETAL & JOINT EVENTS - PAGE 3
 CSSCD FULL COHORT PATIENTS

F36SITE3 ----- SITECODES

type: string (str3)

unique values: 56

coded missing: 296 / 455

tabulation:

Freq.	Value	Freq.	Value
1	"099"	12	"M06"
1	"732"	1	"M16"
1	"C05"	1	"M24"
1	"C15"	2	"006"
5	"D03"	6	"P04"
2	"D07"	1	"P06"
1	"D13"	1	"Q03"
1	"D14"	3	"Q04"
1	"D15"	1	"Q06"
1	"E04"	2	"R20"
3	"E05"	2	"S21"
2	"F06"	1	"S22"
4	"G03"	1	"T02"
2	"G07"	5	"T23"
1	"G13"	1	"T24"
1	"G19"	3	"U25"
1	"G73"	1	"U26"
1	"H02"	1	"V25"
1	"H07"	10	"V26"
1	"H13"	5	"V27"
3	"I02"	3	"V28"
2	"I04"	1	"V29"
2	"I08"	13	"W28"
1	"I14"	9	"W29"
1	"I16"	1	"Y30"
1	"I24"	3	"Z31"
1	"J03"	12	"Z32"
13	"M04"	1	"w28"

F36SITE3:

1. See Appendix F - BODY LOCATOR CHARTS/SITE CODE LISTS.

CODEBOOK FOR CSSCD FORM 36
SKELETAL & JOINT EVENTS - PAGE 3
 CSSCD FULL COHORT PATIENTS

F36SITE4 ----- SITECODES

type: string (str3)

unique values: 36

coded missing: 364 / 455

tabulation:

Freq.	Value
1	"22"
1	"733"
1	"B05"
3	"D03"
2	"D04"
1	"D06"
2	"D07"
1	"D17"
1	"E05"
1	"F04"
1	"G03"
1	"G07"
1	"H02"
1	"J04"
1	"M04"
9	"M06"
2	"M14"
1	"M29"
1	"N04"
1	"O14"
8	"P06"
1	"P14"
2	"Q06"
1	"R20"
2	"T23"
3	"T24"
3	"U25"
2	"U27"
3	"V26"
7	"V27"
2	"V29"
2	"W28"
14	"W29"
2	"Z31"
5	"Z32"
1	"w29"

F36SITE4:

1. See Appendix F - BODY LOCATOR CHARTS/SITE CODE LISTS.

CODEBOOK FOR CSSCD FORM 36
SKELETAL & JOINT EVENTS - PAGE 3
CSSCD FULL COHORT PATIENTS

F36OSST ----- OSSEUS TENDERNESS

type: numeric (float)
label: F36OSST

range: [1,2] units: 1
unique values: 2 coded missing: 1 / 455

tabulation:	Freq.	Numeric	Label
	179	1	NO
	275	2	YES

F36INFL ----- SIGNS OF INFLAMMATION

type: numeric (float)
label: F36INFL

range: [1,2] units: 1
unique values: 2 coded missing: 2 / 455

tabulation:	Freq.	Numeric	Label
	253	1	NO
	200	2	YES

F36EFF ----- EFFUSION

type: numeric (float)
label: F36EFF

range: [1,2] units: 1
unique values: 2 coded missing: 3 / 455

tabulation:	Freq.	Numeric	Label
	331	1	NO
	121	2	YES

F36LIMIT ----- LIMITATION OF MOTION

type: numeric (float)
label: F36LIMIT

range: [1,2] units: 1
unique values: 2 coded missing: 3 / 455

tabulation:	Freq.	Numeric	Label
	167	1	NO
	285	2	YES

CODEBOOK FOR CSSCD FORM 36
SKELETAL & JOINT EVENTS - PAGE 3
CSSCD FULL COHORT PATIENTS

F36FIXED ----- FIXED DEFORMITY

type: numeric (float)
label: F36FIXED

range: [1,2] units: 1
unique values: 2 coded missing: 6 / 455

tabulation:	Freq.	Numeric	Label
	434	1	NO
	15	2	YES

F36OPHYS ----- OTHER PHYSICAL FINDINGS

type: numeric (float)
label: F36OPHYS

range: [1,2] units: 1
unique values: 2 coded missing: 5 / 455

tabulation:	Freq.	Numeric	Label
	331	1	NO
	119	2	YES

CODEBOOK FOR CSSCD FORM 36
SKELETAL & JOINT EVENTS - PAGE 4
 CSSCD FULL COHORT PATIENTS

F36CBCHB ----- CBC HB

type: numeric (float)

range: [4.1,73] units: .1
 unique values: 80 coded missing: 14 / 455

mean: 8.95646
 std. dev: 3.45389

percentiles:	10%	25%	50%	75%	90%
	6.9	7.9	8.6	9.7	11.1

F36CBCHC ----- CBC HCT

type: numeric (float)

range: [13.3,43] units: .1
 unique values: 177 coded missing: 13 / 455

mean: 26.2989
 std. dev: 4.88594

percentiles:	10%	25%	50%	75%	90%
	20.5	23.3	25.8	29.3	33

F36BCRB ----- CBC RBC

type: numeric (float)

range: [1.12,5.36] units: .01
 unique values: 209 coded missing: 54 / 455

mean: 3.00145
 std. dev: .730214

percentiles:	10%	25%	50%	75%	90%
	2.16	2.46	2.89	3.43	4.03

F36BCWB ----- CBC WBC

type: numeric (float)

range: [4.4,50] units: .1
 unique values: 202 coded missing: 14 / 455

mean: 16.7961
 std. dev: 6.88442

percentiles:	10%	25%	50%	75%	90%
	9.4	12.2	15.9	19.7	24.6

F36BCWB:

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

CODEBOOK FOR CSSCD FORM 36
SKELETAL & JOINT EVENTS - PAGE 4
CSSCD FULL COHORT PATIENTS

F36BCMV ----- CBC MCV

type: numeric (float)

range: [34,120] units: 1
unique values: 54 coded missing: 37 / 455

mean: 88.945
std. dev: 10.6415

percentiles: 10% 25% 50% 75% 90%
75 82 89.5 96 101

F36DFPMN ----- DIFFERENTIAL PMN

type: numeric (float)

range: [16,92] units: 1
unique values: 67 coded missing: 27 / 455

mean: 60.8832
std. dev: 14.5506

percentiles: 10% 25% 50% 75% 90%
40 51.5 62 71.5 79

F36DFBND ----- DIFFERENTIAL BANDS

type: numeric (float)

range: [0,42] units: 1
unique values: 21 coded missing: 110 / 455

mean: 3.16522
std. dev: 4.6109

percentiles: 10% 25% 50% 75% 90%
0 0 2 4 9

F36DFEOS ----- DIFFERENTIAL EOSINOPHILS

type: numeric (float)

range: [0,22] units: 1
unique values: 16 coded missing: 58 / 455

mean: 1.79597
std. dev: 2.64407

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

CODEBOOK FOR CSSCD FORM 36
SKELETAL & JOINT EVENTS - PAGE 4
CSSCD FULL COHORT PATIENTS

F36DFBAS ----- DIFFERENTIAL BASOPHILS

type: numeric (float)

range: [0,32] units: 1
unique values: 9 coded missing: 81 / 455

mean: .596257
std. dev: 2.21984

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

F36DFLYM ----- DIFFERENTIAL LYMPHOCYTES

type: numeric (float)

range: [0,71] units: 1
unique values: 64 coded missing: 30 / 455

mean: 27.1647
std. dev: 13.7507

percentiles:	10%	25%	50%	75%	90%
	11	17	25	35	46

F36DFMON ----- DIFFERENTIAL MONOCYTES

type: numeric (float)

range: [0,28] units: 1
unique values: 23 coded missing: 33 / 455

mean: 6.2346
std. dev: 4.60243

percentiles:	10%	25%	50%	75%	90%
	1	3	5	9	12

F36DFATC ----- DIFFERENTIAL ATYPICAL CELLS

type: numeric (float)

range: [0,14] units: 1
unique values: 11 coded missing: 84 / 455

mean: .385445
std. dev: 1.34956

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

CODEBOOK FOR CSSCD FORM 36
SKELETAL & JOINT EVENTS - PAGE 4
 CSSCD FULL COHORT PATIENTS

F36DFMM ----- DIFFERENTIAL METAMYELOCYTES|MYELOCYTES
 type: numeric (float)
 range: [0,10] units: 1
 unique values: 8 coded missing: 94 / 455
 mean: .315789
 std. dev: .977525
 percentiles: 10% 25% 50% 75% 90%
 0 0 0 0 1

F36NRB ----- NUCLEATED RED BLOOD CELLS
 type: numeric (float)
 range: [0,99] units: 1
 unique values: 35 coded missing: 45 / 455
 mean: 4.26098
 std. dev: 8.90112
 percentiles: 10% 25% 50% 75% 90%
 0 0 1 5 13

F36NRB:
 1. If value more than 100 nRBCs/100 WBCs, then value of 99 entered.

F36RETIC ----- RETICULOCYTES
 type: numeric (float)
 range: [0,40.6] units: .1
 unique values: 108 coded missing: 223 / 455
 mean: 10.8345
 std. dev: 8.26461
 percentiles: 10% 25% 50% 75% 90%
 2 4 9.1 16 22

F36BLDCL ----- BLOOD CULTURE
 type: numeric (float)
 label: F36BLDCL
 range: [1,2] units: 1
 unique values: 2 coded missing: 226 / 455
 tabulation: Freq. Numeric Label
 35 1 POSITIVE
 194 2 NEGATIVE

F36BLDCL:
 1. Required only if patient febrile.

CODEBOOK FOR CSSCD FORM 36
SKELETAL & JOINT EVENTS - PAGE 4
CSSCD FULL COHORT PATIENTS

F36BLCL1 ----- BLOOD MICROBIOLOGY CULTURE

 type: numeric (float)

 range: [110,1200] units: 1
unique values: 10 coded missing: 420 / 455

 tabulation: Freq. Value
 7 110
 3 120
 1 130
 1 170
 4 401
 10 404
 5 405
 2 408
 1 412
 1 1200

F36BLCL1:

1. Required only if patient febrile and F36BLDCL=1.
2. See Appendix H - PATHOGEN LIST.
3. 'Salmonella' alone was assigned a code of 404 since many forms did not specify the species (typhi/non-typhi).

F36BLCL2 ----- BLOOD MICROBIOLOGY CULTURE

 type: numeric (float)

 range: [.,.] units: .
unique values: 0 coded missing: 455 / 455

 tabulation: Freq. Value

F36BLCL2:

1. Required only if patient febrile and F36BLDCL=1.
2. See Appendix H - PATHOGEN LIST.
3. 'Salmonella' alone was assigned a code of 404 since many forms did not specify the species (typhi/non-typhi).

F36BONE ----- BONE ASPIRATE

 type: numeric (float)
 label: F36BONE

 range: [1,2] units: 1
unique values: 2 coded missing: 402 / 455

 tabulation: Freq. Numeric Label
 20 1 POSITIVE
 33 2 NEGATIVE

CODEBOOK FOR CSSCD FORM 36
SKELETAL & JOINT EVENTS - PAGE 4
CSSCD FULL COHORT PATIENTS

F36BONE1 ----- BONE ASPIRATE ORGANISM

type: numeric (float)
range: [110,9000] units: 1
unique values: 7 coded missing: 435 / 455

tabulation:	Freq.	Value
	6	110
	2	401
	4	404
	5	405
	1	408
	1	3100
	1	9000

F36BONE1:

1. Required only if F36BONE=1.
2. See Appendix H - PATHOGEN LIST.
3. 'Salmonella' alone was assigned a code of 404 since many forms did not specify the species (typhi/non-typhi).

F36BONE2 ----- BONE ASPIRATE ORGANISM

type: numeric (float)
range: [.,.] units: .
unique values: 0 coded missing: 455 / 455

tabulation: Freq. Value

F36BONE2:

1. Required only if F36BONE=1.
2. See Appendix H - PATHOGEN LIST.
3. 'Salmonella' alone was assigned a code of 404 since many forms did not specify the species (typhi/non-typhi).

F36XRAY ----- XRAY

type: numeric (float)
label: F36XRAY
range: [1,2] units: 1
unique values: 2 coded missing: 169 / 455

tabulation:	Freq.	Numeric	Label
	172	1	NORMAL
	114	2	ABNORMAL

CODEBOOK FOR CSSCD FORM 36
SKELETAL & JOINT EVENTS - PAGE 5
CSSCD FULL COHORT PATIENTS

F36JOINT ----- JOINT ASPIRATION

type: numeric (float)
label: F36JOINT

range: [1,2] units: 1
unique values: 2 coded missing: 374 / 455

tabulation: Freq. Numeric Label
42 1 NORMAL
39 2 ABNORMAL

F36JOINT:

1. Required only if effusion was present (F36EFF=2).

F36JOINF ----- JOINT FLUID

type: numeric (float)
label: F36JOINF

range: [1,2] units: 1
unique values: 2 coded missing: 371 / 455

tabulation: Freq. Numeric Label
16 1 POSITIVE
68 2 NEGATIVE

F36JNT1 ----- JOINT FLUID ORGANISM

type: numeric (float)

range: [110,9999] units: 1
unique values: 9 coded missing: 439 / 455

tabulation: Freq. Value
5 110
1 120
1 170
3 404
2 405
1 408
1 2200
1 3100
1 9999

F36JNT1:

1. See Appendix H - PATHOGEN LIST.
2. 'Salmonella' alone was assigned a code of 404 since many forms did not specify the species (typhi/non-typhi).
3. Required only if effusion was present (F36EFF=2) and F36JOINF=1.

CODEBOOK FOR CSSCD FORM 36
SKELETAL & JOINT EVENTS - PAGE 5
CSSCD FULL COHORT PATIENTS

F36JNT2 ----- JOINT FLUID ORGANISM

type: numeric (float)
range: [401,3110] units: 1
unique values: 2 coded missing: 453 / 455

tabulation: Freq. Value
1 401
1 3110

F36JNT2:

1. See Appendix H - PATHOGEN LIST.
2. 'Salmonella' alone was assigned a code of 404 since many forms did not specify the species (typhi/non-typhi).
3. Required only if effusion was present (F36EFF=2) and F36JOINF=1.

F36JWBC ----- JOINT ASPIRATION WBC

type: numeric (float)
range: [0,85] units: .1
unique values: 37 coded missing: 415 / 455

mean: 16.0425
std. dev: 19.5768

percentiles: 10% 25% 50% 75% 90%
.45 2.45 10.6 19.4 50.4

F36JWBC:

1. Required only if effusion was present (F36EFF=2).

F36MUCIN ----- JOINT ASPIRATION MUCIN CLOT

type: numeric (float)
label: F36MUCIN
range: [1,2] units: 1
unique values: 2 coded missing: 417 / 455

tabulation: Freq. Numeric Label
34 1 NORMAL
4 2 ABNORMAL

F36MUCIN:

1. Required only if effusion was present (F36EFF=2).

CODEBOOK FOR CSSCD FORM 36
SKELETAL & JOINT EVENTS - PAGE 5
CSSCD FULL COHORT PATIENTS

F36URAC ----- URIC ACID CRYSTALS

type: numeric (float)
label: F36URAC

range: [1,2] units: 1
unique values: 2 coded missing: 410 / 455

tabulation: Freq. Numeric Label
2 1 NO
43 2 YES

F36URAC:

1. Required only if effusion was present (F36EFF=2).

F36RED ----- RED

type: numeric (float)
label: F36RED

range: [1,2] units: 1
unique values: 2 coded missing: 396 / 455

tabulation: Freq. Numeric Label
20 1 NO
39 2 YES

F36RED:

1. Required only if effusion was present (F36EFF=2).

F36URA ----- URIC ACID

type: numeric (float)

range: [1.3,15] units: .1
unique values: 68 coded missing: 295 / 455

mean: 5.33875
std. dev: 2.16728

percentiles: 10% 25% 50% 75% 90%
3.3 3.9 4.8 6.3 8.2

F36URA:

1. Required only if there was joint involvement.

CODEBOOK FOR CSSCD FORM 36
SKELETAL & JOINT EVENTS - PAGE 5
CSSCD FULL COHORT PATIENTS

F36HBS ----- HB S %

type: numeric (float)

range: [7,7]

units: 1

unique values: 1

coded missing: 454 / 455

tabulation: Freq. Value
 1 7

F36HBS:

1. Not entered on the database.

CODEBOOK FOR CSSCD FORM 31
PAINFUL EPISODE/SKELETAL & JOINT EVENT FLOW SHEET & TREATMENT FOLLOW-UP
CSSCD FULL COHORT PATIENTS

F36FLOWS ----- NUMBER OF FLOWSHEETS

 type: numeric (float)

 range: [0,12] units: 1
unique values: 10 coded missing: 2 / 455

 tabulation: Freq. Value
 107 0
 308 1
 20 2
 5 3
 3 4
 4 5
 3 6
 1 8
 1 11
 1 12

F36FLOWS:

1. See section on computed variables.

F36FRM52 ----- IS THERE A 52 ON THE DATABASE

 type: numeric (float)

 range: [0,48] units: 1
unique values: 6 coded missing: 2 / 455

 tabulation: Freq. Value
 56 0
 32 30
 275 31
 1 32
 87 36
 2 48

F36FRM52:

1. See section on computed variables.

CODEBOOK FOR CSSCD FORM 31
PAINFUL EPISODE/SKELETAL & JOINT EVENT FLOW SHEET & TREATMENT FOLLOW-UP
CSSCD FULL COHORT PATIENTS

The form contains daily and laboratory information from day 2 of hospitalization for the event, through discharge. Each Form 31 contains 6 days of hospital information, so consequently, multiple Form 31s 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. Data Collection Period: 03/79 – 12/86

Form 31 was used between 03/01/79 and 05/17/82 to record painful episode follow-up (for Form 30 only). Between 10/01/80 and 05/31/86, it was also used to record skeletal and joint event follow-up (for Form 36) for the entire cohort and continued to be used through 12/86 for the infant cohort.

K. Form Version Dates: 03/01/79, 03/29/79, 05/02/79, 07/02/80

L. Files Used to Store Information:

SAS System File: **R31.SD2**

Format File: **R31.FMT**

M. Unique Record Identifiers: **ANONID, F31DATE, F31SHEET**

Records within the dataset are sorted by **ANONID, F31DATE, F31SHEET** (flow sheet number).

N. Number of Observations (Patients) in SAS Dataset: 4,944 (1,065)

O. Contents of SAS Dataset:

- Alphabetical Listing of Variables: See pp. 118-120
- Listing of Variables by Position: See pp. 121-123

P. Notes About Selected Variables:

- The following variables were not collected before 07/02/80, and consequently all follow-ups reported on versions before that date will contain missing values:
F31TRANS, F31XRAY, F31MCD1-F31MCD3, F31HMCD1-F31HMCD3,
F31MDT1-F31MDT3, F31HMDT1-F31HMDT3, F31MND1-F31MND3,

CODEBOOK FOR CSSCD FORM 31
PAINFUL EPISODE/SKELETAL & JOINT EVENT FLOW SHEET & TREATMENT FOLLOW-UP
CSSCD FULL COHORT PATIENTS

**F31HMND1-F31HMND3, F31NOSYM, F31COMP, F31INBED, F31MSWRK,
F31DIAG1-F31DIAG5.**

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 07/02/80 can be filled in by linking to the appropriate Form 52, as indicated.

- **F31XRAY** – If Form 31 follow-up was being done for a Form 36, skeletal & joint event, then a follow-up x-ray, to be done 6 to 9 months after initial event, was to be recorded. Status of the original x-ray, taken upon admission for the skeletal & joint event is recorded in variable **F36XRAY** in SAS dataset **R36.SD2** (See Section 7.1.3).
- **F31DTE1-F31DTE6, F31LDTE1-F31LDTE2, F31MDT1-F31MDT3, F31HMDT1-F31HMDT3** – These data variables are recorded as four-digit integers composed of 2-digit month, 2-digit day of follow-up.
- **F31CBWB1, F31CBWB2** – is the CBC White Blood Cell Count variable assumed to be “uncorrected” in relation to nucleated red blood cells (RBCs). 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.
- **F31NRB1, F31NRB2** – 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 sets (**F31DPMN1, F31DBDN1, F31DEOS1, F31BAS1, F31DLYM1, F31DMON1, F31DATC1, F31DFMM1**) or (**F31DPMN2, F31DBDN2, F31DEOS2, F31BAS2, F31DLYM2, F31DMON2, F31DATC2, F31DFMM2**) 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 the differential variables with non-missing values is 100, then the missing values among that sum are assumed to be “0”.

- **F31DIAG1-F31DIAG5** – The set up of the discharge box on the last page of Form 31 implies the following: that 1) it is filled out upon resolution of symptoms, and 2) that the variable **F31DIAG1** would correspond to Otitis, **F31DIAG2** to Pharyngitis, **F31DIAG3** to Gastroenteritis, etc. However, in truth, the final

CODEBOOK FOR CSSCD FORM 31
PAINFUL EPISODE/SKELETAL & JOINT EVENT FLOW SHEET & TREATMENT FOLLOW-UP
CSSCD FULL COHORT PATIENTS

diagnosis indicators may have appeared only on a flow sheet earlier than complete resolution of symptoms, (that is, a **F31SHEET** number lower than the last one on the database for that **F31DATE**, and any and all of the diagnostic codes to any and all of the available variables were entered indiscriminately. Consequently, the easiest way of dealing with the final diagnosis variables is as a group, over all Form 31s completed for the given event date (**F31DATE**). If any of the **F31DIAG1-F31DIAG5** variables, on any of the sheets associated with a given event date is equal to a discrete ICD code, then assume the ICD corresponds to one of the disorders which constitute the final diagnosis.

Q. Computed Variables: None

R. Inter-Relationship with Other Datasets:

- Form 31 contains daily follow-up data for painful episode events reported on Form 30 (**R30.SD2**). Beginning 10/01/80, Form 31 was also used to record daily data for skeletal & joint events reported on Form 36 (**R36.SD2**).

In order to distinguish which originating form (Form 30 or Form 36) goes with the Form 31s at a given date, the following linking mechanism is used. "Record" 31 is linked to "Record 30" by id (**ANONID**) and date patient sought care (if **F30DATE=F31DATE**). "Record 31" is linked to "Record 36" by id (**ANONID**) and date patient sought care (if **F36DATE=F31DATE**).

The number of "Record 31s" which will link with any given "Record 30" or "Record 36" 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 one "Record 31" should be in the dataset for the event (**F31SHEET=1**). If a patient was hospitalized for 8-13 days, two "Record 31s" should be in the dataset, (**F31SHEET=1** for days 2-7; **F31SHEET=2** for days 8-13), etc.

[See Sections 7.1.1 & 7.1.3]

- Pain Episode Treatment and Follow-up information was also collected on

Phase 1 Forms	SAS Dataset
Form 52	E. <u>R52.SD2</u>

Form 52 is the Acute Event Treatment Follow-up form that was used to collect summary non-hospitalization information for pain episodes from 03/01/79 through 05/17/82. It does not record daily or laboratory data, since these are

CODEBOOK FOR CSSCD FORM 31
PAINFUL EPISODE/SKELETAL & JOINT EVENT FLOW SHEET & TREATMENT FOLLOW-UP
 CSSCD FULL COHORT PATIENTS

hospitalization values. However, the information it does collect on treatment, resolution of symptoms, and diagnosis is corollary to that collected on Form 31 for hospitalized events.

This form 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 30" with a "Record 52" the date patient first sought care is used. (i.e., **F52DATE=F30DATE**). When **F30FRM52=31** or **F30FRM52=33** in **R30.SD2**, then treatment information is not stored in **R52.SD2**, but rather in **R31.SD2** or **R33.SD2** respectively, and "Record 30" should be linked by date to "Record 31" or "Record 33" for treatment, resolution of symptoms, and diagnostic data. (e.g., if **F30FRM52=31**, then **F31DATE=F30DATE** or if **F30FRM52=33** then **F33DATE=F30DATE**).

- Skeletal & Joint Event Treatment Follow-up information was also collected on

Phase 1 Forms	F. <u>SAS</u>
	<u>Dataset</u>
Form 37	R37.SD2
Form 52	R52.SD2

- a. Form 37 is the Skeletal & Joint Event Flow Sheet. Form 37 data are stored in **R37.SD2**. The form was completed (03/01/79 – 10/01/80) if the patient was either hospitalized or seen on a daily basis as an outpatient for a skeletal & joint event (See definition in Section 7.1.0).

It contains daily information from day 2 of hospitalization for the event, through discharge. Each "Record 37" contains 6 days of hospital information, so consequently, multiple "Record 37s" could exist for a given skeletal & joint event depending on length of stay.

"Record 37s" are sorted by **ANONID**, **F37DATE**, and **F37SHEET** (flow sheet number). Therefore, information for hospital days 2-7 should be on **F37SHEET=1**; days 8-13 on **F37SHEET=2**, etc.

- b. Form 52 is the Acute Event Treatment Follow-up form stored in **R52.SD2** that collects summary treatment information for skeletal & joint events from 03/01/79 through 12/31/86. 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

CODEBOOK FOR CSSCD FORM 31
PAINFUL EPISODE/SKELETAL & JOINT EVENT FLOW SHEET & TREATMENT FOLLOW-UP
CSSCD FULL COHORT PATIENTS

on Form 31 for hospitalized events. No such treatment information is included on Form 37s, so Form 52s at the same date as **F37DATE** must be queried to obtain this additional data.

This form 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" 36 with a "Record" 52 the date patient first sought care is used (i.e., **F52DATE=F36DATE**). When **F36FRM52=31** or **F36FRM52=33** then treatment information is not stored in **R52.SD2**, but rather in **R31.SD2** or **R33.SD2** respectively, and "Record 36" should be linked by date to "Record 31" or "Record 33" for treatment, resolution of symptoms, and diagnostic data. (e.g., if **F30FRM52=31** then **F31DATE=F36DATE** or if **F30FRM52=33** then **F33DATE=F36DATE**)

CONTENTS OF SAS DATASET: R31.SD2
DATA FROM CSSCD FORM 31 - PAINFUL EPISODE/ SKELETAL & JOINT EVENT
FLOW SHEET & TREATMENT FOLLOW-UP
VARIABLES ARE LISTED IN ALPHABETICAL ORDER AND IN ORDER OF THEIR POSITION
IN THE SAS DATASET AND ON FORM 01

The CONTENTS Procedure

Data Set Name	OUT1.R31	Observations	4944
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SECTION 7.1.3 SKELETAL & JOINT EVENTS
FORM 36

CODEBOOK FOR CSSCD FORM 31
PAINFUL EPISODE/SKELETAL & JOINT EVENT FLOW SHEET & TREATMENT FOLLOW-UP
 CSSCD FULL COHORT PATIENTS

Member Type	DATA	Variables	66
Engine	V9	Indexes	
Created	16:17 Thursday, November 16, 2006	Observation Length	528
Last Modified	16:17 Thursday, November 16, 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	166
First Data Page	1
Max Obs per Page	30
Obs in First Data Page	14
Number of Data Set Repairs	0
File Name	O:\decastat\EBP\CSSCD\Phase 1 LAD DEV\sd2anon\r31.sas7bdat
Release Created	9.0000MO
Host Created	XP_PRO

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
1	ANONID	Char	8	ANONYMIZED ID #
15	F31CBHB1	Num	8	CBC HB G DL
16	F31CBHB2	Num	8	CBC HB G DL
17	F31CBHC1	Num	8	CBC HCT %
18	F31CBHC2	Num	8	CBC HCT %
19	F31CBWB1	Num	8	CBC WBC X10NINTH L
20	F31CBWB2	Num	8	CBC WBC X10NINTH L
57	F31COMP	Num	8	COMPLICATIONS FROM TREATMENT
33	F31DATC1	Num	8	DIFFERENTIAL ATYPICAL CELLS
34	F31DATC2	Num	8	DIFFERENTIAL ATYPICAL CELLS
27	F31DBAS1	Num	8	DIFFERENTIAL BASOPHILS
28	F31DBAS2	Num	8	DIFFERENTIAL BASOPHILS
23	F31DBDN1	Num	8	DIFFERENTIAL BANDS
24	F31DBDN2	Num	8	DIFFERENTIAL BANDS
25	F31DEOS1	Num	8	DIFFERENTIAL EOSINOPHILS
26	F31DEOS2	Num	8	DIFFERENTIAL EOSINOPHILS
35	F31DFMM1	Num	8	DIFFERENTIAL
METAMYELOCYTES MYCLOCYTES				
36	F31DFMM2	Num	8	DIFFERENTIAL
METAMYELOCYTES MYCLOCYTES				
60	F31DIAG1	Num	8	ICDA CODE OF FINAL DIAGNOSIS
61	F31DIAG2	Num	8	ICDA CODE OF FINAL DIAGNOSIS
62	F31DIAG3	Num	8	ICDA CODE OF FINAL DIAGNOSIS
63	F31DIAG4	Num	8	ICDA CODE OF FINAL DIAGNOSIS
64	F31DIAG5	Num	8	ICDA CODE OF FINAL DIAGNOSIS
29	F31DLYM1	Num	8	DIFFERENTIAL LYMPHOCYTES
30	F31DLYM2	Num	8	DIFFERENTIAL LYMPHOCYTES
31	F31DMON1	Num	8	DIFFERENTIAL MONOCYTES

CODEBOOK FOR CSSCD FORM 31
PAINFUL EPISODE/SKELETAL & JOINT EVENT FLOW SHEET & TREATMENT FOLLOW-UP
 CSSCD FULL COHORT PATIENTS

32	F31DMON2	Num	8	DIFFERENTIAL MONOCYTES
21	F31DPMN1	Num	8	DIFFERENTIAL PMN
22	F31DPMN2	Num	8	DIFFERENTIAL PMN
48	F31HMCD1	Num	8	HOME MEDICATION CODE
49	F31HMCD2	Num	8	HOME MEDICATION CODE
50	F31HMCD3	Num	8	HOME MEDICATION CODE
54	F31HMND1	Num	8	HOME NUMBER DAYS
55	F31HMND2	Num	8	HOME NUMBER DAYS
56	F31HMND3	Num	8	HOME NUMBER DAYS
58	F31INBED	Num	8	# OF DAYS STAYED IN BED
45	F31MCD1	Num	8	MEDICATION CODE
46	F31MCD2	Num	8	MEDICATION CODE
47	F31MCD3	Num	8	MEDICATION CODE
51	F31MND1	Num	8	NUMBER DAYS
52	F31MND2	Num	8	NUMBER DAYS
53	F31MND3	Num	8	NUMBER DAYS
59	F31MSWRK	Num	8	# OF DAYS MISSED SCHOOL OR WORK
37	F31NRB1	Num	8	NUCLEATED RBC
38	F31NRB2	Num	8	NUCLEATED RBC
39	F31PLAT1	Num	8	PLATELET COUNT
40	F31PLAT2	Num	8	PLATELET COUNT
9	F31PROB1	Num	8	TYPE OF PROBLEM
10	F31PROB2	Num	8	TYPE OF PROBLEM
11	F31PROB3	Num	8	TYPE OF PROBLEM
12	F31PROB4	Num	8	TYPE OF PROBLEM
13	F31PROB5	Num	8	TYPE OF PROBLEM
14	F31PROB6	Num	8	TYPE OF PROBLEM
41	F31RETC1	Num	8	RETICULOCYTE COUNT
42	F31RETC2	Num	8	RETICULOCYTE COUNT
2	F31SHEET	Num	8	SHEET NUMBER
3	F31TMP1	Num	8	TEMPERATURE
4	F31TMP2	Num	8	TEMPERATURE
5	F31TMP3	Num	8	TEMPERATURE
6	F31TMP4	Num	8	TEMPERATURE
7	F31TMP5	Num	8	TEMPERATURE
8	F31TMP6	Num	8	TEMPERATURE
43	F31TRANS	Num	8	TRANSFUSED?
44	F31XRAY	Num	8	FOLLOW-UP X-RAY
66	J31NOSYM	Num	8	DATE SYMPTOMS GONE - RECODE DAYS
SINCE DOE				
65	JF31DATE	Num	8	DATE FIRST SOUGHT CARE - RECODE DAYS
SINCE DOE				

 * R31.FMT contains value labels for numerical codes assigned to
 categorical*
 * variables in the SAS dataset R31.SD2
 *

CODEBOOK FOR CSSCD FORM 31
PAINFUL EPISODE/SKELETAL & JOINT EVENT FLOW SHEET & TREATMENT FOLLOW-UP
CSSCD FULL COHORT PATIENTS

****;

* SIR/DBMS 2.2 SAS PROC STEP FROM DATABASE: CSSCD 01/31/99 12:46:33;

PROC FORMAT;

* FORMAT F31PROBX used for the following variables: F31PROB1 F31PROB2
F31PROB3 F31PROB4
F31PROB5 F31PROB6;

VALUE F31PROBX

1	=	'PAIN (1)'
2	=	'TENDERNESS (2)'
4	=	'DEC. FUNCTION (4)'
7	=	'ALL 3 (7)'
0	=	'NONE (0)';

* FORMAT NO_YES used for the following variables: F31TRANS F31COMP;

VALUE NO_YES

1	=	'NO'
2	=	'YES';

VALUE F31XRAY

1	=	'NORMAL'
2	=	'ABNORMAL';

* FORMAT HEALTH used for the following variables: F31INBED F31MSWRK;

VALUE HEALTH

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

* FORMAT

F31PROB1 F31PROB2
F31PROB3 F31PROB4
F31PROB5 F31PROB6 F31PROBX.
F31TRANS F31COMP NO_YES.
F31XRAY F31XRAY.
F31INBED F31MSWRK HEALTH.;

RUN;
QUIT;

CODEBOOK FOR CSSCD FORM 31
PAINFUL EPISODE/SKELETAL & JOINT EVENT FLOW SHEET & TREATMENT FOLLOW-UP
CSSCD FULL COHORT PATIENTS

CODEBOOK FOR CSSCD FORM 31
PAINFUL EPISODE/SKELETAL & JOINT EVENT FLOW SHEET & TREATMENT FOLLOW-UP
PAGE 1

CSSCD FULL COHORT PATIENTS

F31TMP5 ----- TEMPERATURE

```

type: numeric (float)

range: [3.7,99]          units: .1
unique values: 49        coded missing: 2243 / 4944

mean: 37.5311
std. dev: 1.66081

percentiles:    10%    25%    50%    75%    90%
                36.8    37     37.4    37.9    38.6
    
```

F31TMP6 ----- TEMPERATURE

```

type: numeric (float)

range: [3.7,40.6]       units: .1
unique values: 49        coded missing: 2783 / 4944

mean: 37.4539
std. dev: 1.06253

percentiles:    10%    25%    50%    75%    90%
                36.8    37     37.3    37.8    38.4
    
```

F31PROB1 ----- TYPE OF PROBLEM

```

type: numeric (float)
label: F31PROB1

range: [0,7]           units: 1
unique values: 8        coded missing: 10 / 4944

tabulation: Freq.  Numeric  Label
              553      0  NONE (0)
              1344     1  PAIN (1)
               81      2  TENDERNESS (2)
              1185     3
               14      4  DEC. FUNCTION (4)
               331     5
                24     6
              1402     7  ALL 3 (7)
    
```

F31PROB1:

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

CODEBOOK FOR CSSCD FORM 31
PAINFUL EPISODE/SKELETAL & JOINT EVENT FLOW SHEET & TREATMENT FOLLOW-UP
PAGE 1

CSSCD FULL COHORT PATIENTS

F31PROB2 ----- TYPE OF PROBLEM

type: numeric (float)
label: F31PROB2

range: [0,7] units: 1
unique values: 8 coded missing: 20 / 4944

tabulation:	Freq.	Numeric	Label
	1089	0	NONE (0)
	1267	1	PAIN (1)
	100	2	TENDERNESS (2)
	999	3	
	19	4	DEC. FUNCTION (4)
	263	5	
	28	6	
	1159	7	ALL 3 (7)

F31PROB2:

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

F31PROB3 ----- TYPE OF PROBLEM

type: numeric (float)
label: F31PROB3

range: [0,7] units: 1
unique values: 8 coded missing: 49 / 4944

tabulation:	Freq.	Numeric	Label
	1670	0	NONE (0)
	1232	1	PAIN (1)
	87	2	TENDERNESS (2)
	797	3	
	28	4	DEC. FUNCTION (4)
	215	5	
	24	6	
	842	7	ALL 3 (7)

F31PROB3:

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

CODEBOOK FOR CSSCD FORM 31
PAINFUL EPISODE/SKELETAL & JOINT EVENT FLOW SHEET & TREATMENT FOLLOW-UP
PAGE 1

CSSCD FULL COHORT PATIENTS

F31PROB4 ----- TYPE OF PROBLEM

type: numeric (float)
label: F31PROB4

range: [0,7] units: 1
unique values: 8 coded missing: 71 / 4944

tabulation:	Freq.	Numeric	Label
	2280	0	NONE (0)
	1020	1	PAIN (1)
	83	2	TENDERNESS (2)
	645	3	
	25	4	DEC. FUNCTION (4)
	173	5	
	29	6	
	618	7	ALL 3 (7)

F31PROB4:

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

F31PROB5 ----- TYPE OF PROBLEM

type: numeric (float)
label: F31PROB5

range: [0,7] units: 1
unique values: 8 coded missing: 97 / 4944

tabulation:	Freq.	Numeric	Label
	2846	0	NONE (0)
	790	1	PAIN (1)
	76	2	TENDERNESS (2)
	500	3	
	14	4	DEC. FUNCTION (4)
	126	5	
	26	6	
	469	7	ALL 3 (7)

F31PROB5:

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

CODEBOOK FOR CSSCD FORM 31
PAINFUL EPISODE/SKELETAL & JOINT EVENT FLOW SHEET & TREATMENT FOLLOW-UP
PAGE 1

CSSCD FULL COHORT PATIENTS

F31PROB6 ----- TYPE OF PROBLEM

 type: numeric (float)
 label: F31PROB6

 range: [0,7] units: 1
unique values: 8 coded missing: 124 / 4944

tabulation:	Freq.	Numeric	Label
	3289	0	NONE (0)
	585	1	PAIN (1)
	69	2	TENDERNESS (2)
	379	3	
	14	4	DEC. FUNCTION (4)
	95	5	
	16	6	
	373	7	ALL 3 (7)

F31PROB6:

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

CODEBOOK FOR CSSCD FORM 31
PAINFUL EPISODE/SKELETAL & JOINT EVENT FLOW SHEET & TREATMENT FOLLOW-UP
PAGE 2

CSSCD FULL COHORT PATIENTS

F31CBHB1 ----- CBC HB G|DL

type: numeric (float)

range: [.8,16.4] units: .1
unique values: 113 coded missing: 1159 / 4944

mean: 8.68729
std. dev: 1.79989

percentiles:	10%	25%	50%	75%	90%
	6.6	7.5	8.5	9.7	11.1

F31CBHB2 ----- CBC HB G|DL

type: numeric (float)

range: [2.9,34] units: .1
unique values: 105 coded missing: 2960 / 4944

mean: 8.59682
std. dev: 1.89339

percentiles:	10%	25%	50%	75%	90%
	6.5	7.3	8.4	9.6	11.1

F31CBHC1 ----- CBC HCT %

type: numeric (float)

range: [2.8,47.9] units: .1
unique values: 303 coded missing: 1140 / 4944

mean: 25.7517
std. dev: 5.46404

percentiles:	10%	25%	50%	75%	90%
	19.4	22	25.1	28.8	33.1

F31CBHC2 ----- CBC HCT %

type: numeric (float)

range: [8.9,43.8] units: .1
unique values: 265 coded missing: 2954 / 4944

mean: 25.4913
std. dev: 5.321

percentiles:	10%	25%	50%	75%	90%
	19.2	21.9	24.9	28.6	32.9

CODEBOOK FOR CSSCD FORM 31
PAINFUL EPISODE/SKELETAL & JOINT EVENT FLOW SHEET & TREATMENT FOLLOW-UP
PAGE 2

CSSCD FULL COHORT PATIENTS

F31CBWB1 ----- CBC WBC X10NINTH|L

type: numeric (float)

range: [2.6,99.9] units: .1
unique values: 310 coded missing: 1190 / 4944

mean: 14.3915
std. dev: 6.00838

percentiles:	10%	25%	50%	75%	90%
	8	10.3	13.6	17.5	21.6

F31CBWB2 ----- CBC WBC X10NINTH|L

type: numeric (float)

range: [1,68.8] units: .1
unique values: 252 coded missing: 2988 / 4944

mean: 13.5689
std. dev: 5.36781

percentiles:	10%	25%	50%	75%	90%
	7.9	10	12.7	16.2	20.2

F31DPMN1 ----- DIFFERENTIAL PMN

type: numeric (float)

range: [0,98] units: 1
unique values: 90 coded missing: 1462 / 4944

mean: 59.1786
std. dev: 14.595

percentiles:	10%	25%	50%	75%	90%
	40	50	60	70	77

F31DPMN2 ----- DIFFERENTIAL PMN

type: numeric (float)

range: [0,97] units: 1
unique values: 80 coded missing: 3160 / 4944

mean: 58.4204
std. dev: 14.0064

percentiles:	10%	25%	50%	75%	90%
	40	50	59	68	76

CODEBOOK FOR CSSCD FORM 31
PAINFUL EPISODE/SKELETAL & JOINT EVENT FLOW SHEET & TREATMENT FOLLOW-UP
PAGE 2

CSSCD FULL COHORT PATIENTS

F31DBDN1 ----- DIFFERENTIAL BANDS

type: numeric (float)

range: [0,33] units: 1
unique values: 28 coded missing: 3020 / 4944

mean: 2.60499
std. dev: 3.45928

percentiles:	10%	25%	50%	75%	90%
	0	0	1	4	7

F31DBDN2 ----- DIFFERENTIAL BANDS

type: numeric (float)

range: [0,28] units: 1
unique values: 24 coded missing: 3959 / 4944

mean: 2.7198
std. dev: 3.6124

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

F31DEOS1 ----- DIFFERENTIAL EOSINOPHILS

type: numeric (float)

range: [0,42] units: 1
unique values: 28 coded missing: 1572 / 4944

mean: 2.9745
std. dev: 3.48016

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

F31DEOS2 ----- DIFFERENTIAL EOSINOPHILS

type: numeric (float)

range: [0,37] units: 1
unique values: 28 coded missing: 3213 / 4944

mean: 3.52802
std. dev: 3.86547

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

CODEBOOK FOR CSSCD FORM 31
PAINFUL EPISODE/SKELETAL & JOINT EVENT FLOW SHEET & TREATMENT FOLLOW-UP
PAGE 2

CSSCD FULL COHORT PATIENTS

F31DBAS1 ----- DIFFERENTIAL BASOPHILS

type: numeric (float)

range: [0,34] units: 1
unique values: 14 coded missing: 1784 / 4944

mean: .446835
std. dev: 1.13773

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

F31DBAS2 ----- DIFFERENTIAL BASOPHILS

type: numeric (float)

range: [0,39] units: 1
unique values: 13 coded missing: 3343 / 4944

mean: .539663
std. dev: 1.77407

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

F31DLYM1 ----- DIFFERENTIAL LYMPHOCYTES

type: numeric (float)

range: [0,89] units: 1
unique values: 78 coded missing: 1491 / 4944

mean: 27.2059
std. dev: 12.7519

percentiles:	10%	25%	50%	75%	90%
	12	18	25	35	45

F31DLYM2 ----- DIFFERENTIAL LYMPHOCYTES

type: numeric (float)

range: [0,79] units: 1
unique values: 70 coded missing: 3195 / 4944

mean: 27.3671
std. dev: 12.2851

percentiles:	10%	25%	50%	75%	90%
	12	18	26	35	44

CODEBOOK FOR CSSCD FORM 31
PAINFUL EPISODE/SKELETAL & JOINT EVENT FLOW SHEET & TREATMENT FOLLOW-UP
PAGE 2

CSSCD FULL COHORT PATIENTS

F31DMON1 ----- DIFFERENTIAL MONOCYTES

type: numeric (float)

range: [0,48] units: 1
unique values: 31 coded missing: 1550 / 4944

mean: 7.35916
std. dev: 4.63209

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

F31DMON2 ----- DIFFERENTIAL MONOCYTES

type: numeric (float)

range: [0,60] units: 1
unique values: 28 coded missing: 3221 / 4944

mean: 7.43297
std. dev: 4.67212

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

F31DATC1 ----- DIFFERENTIAL ATYPICAL CELLS

type: numeric (float)

range: [0,43] units: 1
unique values: 17 coded missing: 1868 / 4944

mean: .344928
std. dev: 1.40603

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

F31DATC2 ----- DIFFERENTIAL ATYPICAL CELLS

type: numeric (float)

range: [0,33] units: 1
unique values: 13 coded missing: 3384 / 4944

mean: .369231
std. dev: 1.4428

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

CODEBOOK FOR CSSCD FORM 31
PAINFUL EPISODE/SKELETAL & JOINT EVENT FLOW SHEET & TREATMENT FOLLOW-UP
PAGE 2

CSSCD FULL COHORT PATIENTS

F31DFMM1 ----- DIFFERENTIAL METAMYELOCYTES|MYCLOCYTES

type: numeric (float)

range: [0,12] units: 1
unique values: 13 coded missing: 1894 / 4944

mean: .221311
std. dev: .881577

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

F31DFMM2 ----- DIFFERENTIAL METAMYELOCYTES|MYCLOCYTES

type: numeric (float)

range: [0,10] units: 1
unique values: 11 coded missing: 3417 / 4944

mean: .206287
std. dev: .836589

percentiles:	10%	25%	50%	75%	90%
	0	0	0	0	0

F31NRB1 ----- NUCLEATED RBC

type: numeric (float)

range: [0,99] units: 1
unique values: 74 coded missing: 1636 / 4944

mean: 4.6445
std. dev: 11.7599

percentiles:	10%	25%	50%	75%	90%
	0	0	0	4	13

F31NRB2 ----- NUCLEATED RBC

type: numeric (float)

range: [0,99] units: 1
unique values: 61 coded missing: 3269 / 4944

mean: 4.39881
std. dev: 11.9981

percentiles:	10%	25%	50%	75%	90%
	0	0	0	3	11

CODEBOOK FOR CSSCD FORM 31
PAINFUL EPISODE/SKELETAL & JOINT EVENT FLOW SHEET & TREATMENT FOLLOW-UP
PAGE 2

CSSCD FULL COHORT PATIENTS

F31PLAT1 ----- PLATELET COUNT

type: numeric (float)

range: [0,1582] units: 1
unique values: 717 coded missing: 2457 / 4944

mean: 418.657
std. dev: 193.649

percentiles:	10%	25%	50%	75%	90%
	201	288	393	517	670

F31PLAT2 ----- PLATELET COUNT

type: numeric (float)

range: [0,1560] units: 1
unique values: 571 coded missing: 3696 / 4944

mean: 437.31
std. dev: 210.169

percentiles:	10%	25%	50%	75%	90%
	205	295	402	550.5	700

F31RETC1 ----- RETICULOCYTE COUNT

type: numeric (float)

range: [0,88] units: .1
unique values: 372 coded missing: 1736 / 4944

mean: 12.7053
std. dev: 9.30883

percentiles:	10%	25%	50%	75%	90%
	3	6	10.6	17.2	24.6

F31RETC2 ----- RETICULOCYTE COUNT

type: numeric (float)

range: [0,75] units: .1
unique values: 304 coded missing: 3285 / 4944

mean: 11.9112
std. dev: 9.01175

percentiles:	10%	25%	50%	75%	90%
	2.8	5.6	10	16.1	24

CODEBOOK FOR CSSCD FORM 31
PAINFUL EPISODE/SKELETAL & JOINT EVENT FLOW SHEET & TREATMENT FOLLOW-UP
PAGE 3

CSSCD FULL COHORT PATIENTS

F31MCD2 ----- MEDICATION CODE

type: numeric (float)

range: [0,999]

units: 1

unique values: 107

coded missing: 2692 / 4944

tabulation:

Freq.	Value	Freq.	Value	Freq.	Value
3	0	4	231	3	449
1	2	1	240	1	464
13	3	1	244	1	471
8	6	16	249	201	480
57	7	1	259	200	481
1	21	1	267	4	484
4	25	1	270	1	486
34	28	1	275	1	491
2	41	149	279	1	501
15	44	1	282	1	504
3	45	17	286	1	509
2	46	1	308	2	512
1	56	1	319	2	514
1	57	34	328	48	516
3	59	5	336	487	519
1	78	67	337	1	521
1	82	9	338	6	522
1	88	1	339	1	525
1	101	7	344	3	537
1	106	7	361	1	541
97	126	1	362	4	542
3	127	6	369	1	545
1	128	1	370	11	553
1	130	5	371	1	554
1	137	1	372	1	557
4	156	33	374	1	559
1	157	32	375	8	563
1	158	1	377	1	570
5	159	1	379	1	571
1	161	6	381	13	579
217	171	280	382	1	591
1	179	1	384	1	703
3	180	1	391	1	991
1	191	1	411	11	998
15	192	1	428	25	999
3	230	1	448		

F31MCD2:

1. See Appendix D - CODED DRUG LIST.
2. Not collected before 07/02/80. All pain/skeletal & joint follow-up on versions before 07/02/80 will contain missing values.

CODEBOOK FOR CSSCD FORM 31
PAINFUL EPISODE/SKELETAL & JOINT EVENT FLOW SHEET & TREATMENT FOLLOW-UP
PAGE 3

CSSCD FULL COHORT PATIENTS

F31MSWRK ----- # OF DAYS MISSED SCHOOL OR WORK

type: numeric (float)

label: F31MSWRK

range: [-4,99]

units: 1

unique values: 43

coded missing: 797 / 4944

tabulation:

Freq.	Numeric	Label	Freq.	Numeric
32	-4	NOT FILLED IN	26	20
217	-3	NO	12	21
1224	-2	NA	2	22
1453	0		8	23
21	1		6	24
87	2		1	25
117	3		1	26
120	4		3	28
199	5		11	30
81	6		4	31
91	7		2	35
82	8		2	40
38	9		3	44
119	10		1	46
12	11		1	48
30	12		2	50
21	13		1	55
47	14		2	57
50	15		2	90
5	16		1	98
2	17		4	99
4	18			

F31MSWRK:

1. Not collected before 07/02/80. All pain/skeletal & joint follow-up on versions before 07/02/80 will contain missing values.

CODEBOOK FOR CSSCD FORM 31
PAINFUL EPISODE/SKELETAL & JOINT EVENT FLOW SHEET & TREATMENT FOLLOW-UP
PAGE 3

CSSCD FULL COHORT PATIENTS

F31DIAG1 ----- ICDA CODE OF FINAL DIAGNOSIS

type: numeric (float)

range: [1,959.9]
unique values: 59

units: .01
coded missing: 2549 / 4944

tabulation:

Freq.	Value	Freq.	Value
1	1	1	519.8
3	3.24	1	522.5
1	5	1	564
1	38.41	3	574.2
1	38.9	1	575.1
1	41.1	1	588.8
2	79.9	1	594.1
1	99.04	2	599
1	135	1	614.9
1	274.9	3	711
1	282.4	1	719.02
1	282.6	1	719.05
2291	282.62	1	719.4
3	282.66	1	719.41
1	355.8	1	719.45
1	376.01	1	719.46
4	380.99	1	719.47
1	382.09	4	730
1	382.62	1	730.05
2	382.9	1	730.1
1	451.9	11	730.2
2	462	7	733.9
2	463	1	736.01
1	465.9	1	759.6
1	481	1	780.6
1	485	1	784.7
7	486	5	789
1	487	1	812.41
1	511.9	1	959.9
2	518.8		

F31DIAG1:

1. See ICD-9 codebook for diagnosis codes.
2. Not collected before 07/02/80. All pain/skeletal & joint follow-up on versions before 07/02/80 will contain missing values.

CODEBOOK FOR CSSCD FORM 31
PAINFUL EPISODE/SKELETAL & JOINT EVENT FLOW SHEET & TREATMENT FOLLOW-UP
PAGE 3

CSSCD FULL COHORT PATIENTS

F31DIAG2 ----- ICDA CODE OF FINAL DIAGNOSIS

type: numeric (float)

range: [3.31,965]

units: .01

unique values: 119

coded missing: 4662 / 4944

tabulation:

Freq.	Value	Freq.	Value	Freq.	Value
1	3.31	1	429.2	1	682.9
1	13.5	1	451.9	1	707.1
1	22.02	1	455	2	707.9
6	22.2	3	462	1	708.9
6	22.22	8	462.99	1	710.1
2	23.09	1	463	1	711
1	27.09	4	465	1	716.8
5	34	2	465.9	1	716.9
1	38.41	1	482.3	1	719
2	38.9	1	483	1	719.1
1	41.1	1	485	1	719.41
1	47	45	486	1	719.42
1	69.02	1	487.1	1	719.43
1	79.9	1	490	5	719.46
2	99.04	1	491.9	3	719.47
2	135	7	493.9	1	723.1
1	274	2	511	1	724
2	282.4	2	511.9	1	727
1	282.6	2	518	5	729.5
1	282.61	3	518.8	1	729.81
2	282.65	1	522.4	5	730
6	282.66	1	522.5	1	730.1
1	283	1	523.9	1	730.2
5	284.9	1	533.9	2	733.4
4	285.9	2	558.9	2	733.42
1	289.59	2	560.1	12	733.9
1	289.8	1	560.39	1	780.3
1	304.9	1	574.1	12	780.6
1	311	4	574.2	1	781.6
2	346.2	1	575	1	784.7
1	346.9	1	581.9	1	785.6
1	348.1	1	593.9	9	789
1	376.33	1	594.1	1	790.7
1	380.1	6	599	2	791
1	398.9	1	614.1	1	795.7
1	401	2	614.9	1	799.8
1	401.9	1	625.3	1	812.2
2	415.1	1	626.8	1	922.2
3	421	1	637.91	1	965
1	428	1	682.5		

F31DIAG2:

1. See ICD-9 codebook for diagnosis codes.
2. Not collected before 07/02/80. All pain/skeletal & joint follow-up on versions before 07/02/80 will contain missing values.

7.1.5: Skeletal & Joint Flow Sheet – Form 37

F31DIAG5 ----- ICDA CODE OF FINAL DIAGNOSIS

type: numeric (float)

range: [3.24,999.98] units: .01
 unique values: 35 coded missing: 4563 / 4944

tabulation:	Freq.	Value
	3	3.24
	1	22.2
	1	82.62
	1	99.01
	1	165.9
	1	171.12
	1	182.62
	5	262.82
	7	282
	12	282.6
	2	282.61
	306	282.62
	1	282.82
	1	286.62
	1	362.84
	3	382.62
	1	383.62
	1	428
	2	465.9
	1	482.62
	1	493.9
	1	511.9
	1	575.1
	4	599
	1	707.1
	4	711.04
	1	716.87
	1	719.05
	1	729.5
	1	730
	1	730.27
	2	733.9
	1	780.6
	1	789
	8	999.98

F31DIAG5:

1. See ICD-9 codebook for diagnosis codes.
2. Not collected before 07/02/80. All pain/skeletal & joint follow-up on versions before 07/02/80 will contain missing values.

_dta:

1. Created 05/15/00.

A. List of variables deleted **F37DATE F37INIT F37NDATE F37LASTU F37LASTE
 F37ESTAT F37VDATE F37DTE1-F37DTE6**

7.1.5: Skeletal & Joint Flow Sheet – Form 37

- 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 **F37DATE**
- H. New name **JF37DATE**
- I. Collection Information:

Form 37 (Skeletal & Joint Event Flow Sheet) was completed each time (before 10/01/80) that a Form 36 was completed and the patient was hospitalized or seen daily as an outpatient as the result of a Skeletal & Joint Event.

The form contains daily and laboratory information from day 2 of hospitalization for the event through discharge. Each Form 37 contains 6 days of hospital information, so consequently, multiple Form 37s 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).

- J. Data Collection Period: 03/79 – 10/80

Form 37 was used between 03/01/79 and 10/01/80 to record skeletal & joint event follow-up information (for Form 36 only). Subsequently (10/11/80 – 12/31/86), Form 31 was used to record skeletal & joint event follow-up information.

Not all information from all versions of the forms has been retained to the final dataset. Variables considered unimportant or unusable from early versions were permanently dropped from the final dataset. Consequently, the codebook coincides closely with the last version of Form 37.

- K. Form Version Dates: 03/01/79, 05/02/79, 03/17/82

- L. Files Used to Store Information:

SAS System File: **R37.SD2**

Format File: **R37.FMT**

- M. Unique Record Identifiers: **ANONID, F37DATE, F37SHEET** (flow sheet number)

- N. Number of Observations (Patients) in SAS Dataset: 223 (73)

- O. Contents of SAS Dataset:

7.1.5: Skeletal & Joint Flow Sheet – Form 37

- Alphabetical Listing of Variables: See pp. 157-158
- Listing of Variables by Position: See pp. 159-160

P. Notes About Selected Variables:

- **F37DTE1-F37DTE6** – These date variables are recorded as four-digit integers composed of 2-digit month, 2-digit day of follow-up.
- **F37CBWB1, F37CBWB2** – is the CBC White Blood Cell Count variable assumed to be “uncorrected” in relation to nucleated red blood cells (nRBCs). There is a 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.

Q. Computed Variables: None

R. Inter-Relationship with Other Datasets:

- Form 37 contains daily hospitalization data for skeletal & joint events reported on Form 36. Beginning 10/01/80, Form 31 replaced Form 37 for collection of daily follow-up data for skeletal & joint events reported on Form 36.

In order to determine which Form 36 goes with the Form 37s at a given date, the following linking mechanism is used. “Record 37” is linked to “Record 36” by id (**ANONID**) and date patient sought care (if **F36DATE=F37DATE**).

The number of “Record 37s” which will link with any given “Record 36” 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 one “Record 37” should be in the dataset for the event. If a patient was hospitalized for 8-13 days, two “Record 37s” should be in the dataset: **F37SHEET=1** for days 2-7; **F37SHEET=2** for days 8-13.

[See Section 7.1.3]

- Skeletal & joint event treatment follow-up information was also collected on

Phase 1 Forms	SAS Dataset
Form 52	G. <u>R52.SD2</u>
Form 31	R31.SD2

Form 52 is the Acute Event Treatment Follow-up form that collects summary treatment information for skeletal & joint events from 03/01/79 through 12/31/86. It does not record daily or laboratory data, since these are hospitalization values,

7.1.5: Skeletal & Joint Flow Sheet – Form 37

collected on the flow sheets. The information it does collect is on treatment, resolution of symptoms, and diagnosis. No such treatment information is included on Form 37s, so Form 52s with the same date as **F37DATE** must be queried to obtain this additional data. Because the **F37DATE** will be the same as the **F36DATE**, the procedure below is used to link the corresponding Form 52 to the given originating Form 36.

This form 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 36” with a “Record 52” the date patient first sought care is used (i.e., **F52DATE=F36DATE**).

When **F36FRM52=31** or **F36FRM52=33**, then the source for treatment information is Form 31 (**R31.SD2**) or Form 33 (**R33.SD2**), not Form 52. The “Record 36”, therefore, should be linked by date to “Record 31” or “Record 33” for treatment, resolution of symptoms, and diagnostic data (e.g., if **F30FRM52=31** then **F31DATE=F36DATE** or if **F30FRM52=33** then **F33DATE=F36DATE**).

Form 31 is the Painful Episode/Skeletal & Joint Event Flow Sheet & Treatment Follow-up. Form 31 data are stored in **R31.SD2**. The form was completed between 06/01/86 & 12/31/86, when the patient was either hospitalized or seen on a daily basis as an outpatient for a skeletal & joint event (see definition in section 7.1.0). This form replaced Form 37 as of 10/01/80 for the follow-up of skeletal & joint events.

It contains daily and summary information from day 2 of hospitalization for the event through discharge. Each “Record 31” contains 6 days of hospital information, so consequently, multiple “Record 31s” could exist for a given skeletal & joint event dependent on length of stay.

“Record 31s” are sorted by **ANONID**, **F31DATE**, and **F31SHEET** (flow sheet number). Therefore, information for hospital days 2-7 should be on **F31SHEET=1**; days 8-13 on **F31SHEET=2**, etc.

Form 31s also collect treatment, resolution of symptoms, and diagnosis information, but only for those patients hospitalized or seen daily as per the originating Form 36 event. Form 52 still must be queried to obtain corollary information for those patients not hospitalized for a skeletal & joint event.

7.1.5: Skeletal & Joint Flow Sheet – Form 37

CODEBOOK FOR CSSCD FORM 37
SKELETAL & JOINT FLOW SHEET - PAGE 1
 CSSCD FULL COHORT PATIENTS

CONTENTS OF SAS DATASET: R37.SD2
 DATA FROM CSSCD FORM 37 - SKELETAL AND JOINT FLOW SHEET
 VARIABLES ARE LISTED IN ALPHABETICAL ORDER AND IN ORDER OF THEIR POSITION
 IN THE SAS DATASET AND ON FORM 37
 The SAS System 11:02 Monday, November 20, 2006 10

The CONTENTS Procedure

Data Set Name	OUT1.R37	Observations	223
Member Type	DATA	Variables	46
Engine	V9	Indexes	0
Created	16:23 Thursday, November 16, 2006	Observation Length	352
Last Modified	16:23 Thursday, November 16, 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	6
First Data Page	1
Max Obs per Page	46
Obs in First Data Page	28
Number of Data Set Repairs	0
File Name	r37.sas7bdat
Release Created	9.0000MO
Host Created	XP_PRO

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
1	ANONID	Char	8	ANONYMIZED ID #
38	F37CBHB1	Num	8	CBC HB G-DL
39	F37CBHB2	Num	8	CBC HB G-DL
40	F37CBHC1	Num	8	CBC HCT %
41	F37CBHC2	Num	8	CBC HCT %
42	F37CBWB1	Num	8	CBC WBC X10NINTH-L
43	F37CBWB2	Num	8	CBC WBC X10NINTH-L
11	F37EXB11	Num	8	EXTREMITIES AND BACK
12	F37EXB12	Num	8	EXTREMITIES AND BACK
13	F37EXB13	Num	8	EXTREMITIES AND BACK
14	F37EXB14	Num	8	EXTREMITIES AND BACK
15	F37EXB15	Num	8	EXTREMITIES AND BACK
16	F37EXB16	Num	8	EXTREMITIES AND BACK
18	F37EXB21	Num	8	EXTREMITIES AND BACK
19	F37EXB22	Num	8	EXTREMITIES AND BACK
20	F37EXB23	Num	8	EXTREMITIES AND BACK
21	F37EXB24	Num	8	EXTREMITIES AND BACK
22	F37EXB25	Num	8	EXTREMITIES AND BACK
23	F37EXB26	Num	8	EXTREMITIES AND BACK

CODEBOOK FOR CSSCD FORM 37
SKELETAL & JOINT FLOW SHEET - PAGE 1
 CSSCD FULL COHORT PATIENTS

25	F37EXB31	Num	8	EXTREMITIES AND BACK
26	F37EXB32	Num	8	EXTREMITIES AND BACK
27	F37EXB33	Num	8	EXTREMITIES AND BACK
28	F37EXB34	Num	8	EXTREMITIES AND BACK
29	F37EXB35	Num	8	EXTREMITIES AND BACK
30	F37EXB36	Num	8	EXTREMITIES AND BACK
32	F37EXB41	Num	8	EXTREMITIES AND BACK
33	F37EXB42	Num	8	EXTREMITIES AND BACK
34	F37EXB43	Num	8	EXTREMITIES AND BACK
35	F37EXB44	Num	8	EXTREMITIES AND BACK
36	F37EXB45	Num	8	EXTREMITIES AND BACK
37	F37EXB46	Num	8	EXTREMITIES AND BACK
3	F37HOSP	Num	8	HOSPITALIZED OR OUTPATIENT
44	F37RETI1	Num	8	RETICULOCYTES
45	F37RETI2	Num	8	RETICULOCYTES
2	F37SHEET	Num	8	SHEET NUMBER
10	F37SITE1	Char	3	SITE 1
17	F37SITE2	Char	3	SITE 2
24	F37SITE3	Char	3	SITE 3
31	F37SITE4	Char	3	SITE 4
4	F37TMP1	Num	8	TEMPERATURE
5	F37TMP2	Num	8	TEMPERATURE
6	F37TMP3	Num	8	TEMPERATURE
7	F37TMP4	Num	8	TEMPERATURE
8	F37TMP5	Num	8	TEMPERATURE
9	F37TMP6	Num	8	TEMPERATURE
46	JF37DATE	Num	8	DATE FIRST SOUGHT CARE - RECODE DAYS SINCE DOE

CODEBOOK FOR CSSCD FORM 37
SKELETAL & JOINT FLOW SHEET - PAGE 1
CSSCD FULL COHORT PATIENTS

* R37.FMT contains value labels for numerical codes assigned to categorical *
* variables in the SAS dataset R37.SD2 *
*****;

* SIR/DBMS 2.2 SAS PROC STEP FROM DATABASE: CSSCD 04/25/99 11:40:44;

PROC FORMAT;

VALUE F37HOSP
1 = 'HOSPITALIZED'
2 = 'OUTPATIENT';

* FORMAT EXT_BACK is used for the following variables: F37EXB11 F37EXB12
F37EXB13
F37EXB14 F37EXB15 F37EXB16 F37EXB21 F37EXB22 F37EXB23
F37EXB24
F37EXB25 F37EXB26 F37EXB31 F37EXB32 F37EXB33 F37EXB34
F37EXB35
F37EXB36 F37EXB41 F37EXB42 F37EXB43 F37EXB44 F37EXB45
F37EXB46;

VALUE EXT_BACK
1 = 'INFLAMMATION (1)'
2 = 'LIMITED MOTION (2)'
4 = 'EFFUSION (4)';

* FORMAT
F37HOSP F37HOSP.
F37EXB11-F37EXB16 F37EXB21-F37EXB26 F37EXB31-F37EXB36 F37EXB41-
F37EXB46 EXT_BACK.;

RUN;
QUIT;

CODEBOOK FOR CSSCD FORM 37
SKELETAL & JOINT FLOW SHEET - PAGE 1
 CSSCD FULL COHORT PATIENTS

F37SHEET ----- SHEET NUMBER

type: numeric (float)
 range: [1,15] units: 1
 unique values: 14 coded missing: 0 / 223

tabulation:	Freq.	Value
	81	1
	56	2
	28	3
	17	4
	14	5
	8	6
	5	7
	3	8
	3	9
	2	10
	3	11
	1	12
	1	13
	1	15

F37VDATE ----- VERSION DATE

DELETED

type: numeric daily date (int)
 label: datelab
 range: [6999,8111] units: 1
 or equivalently: [01mar1979,17mar1982] units: days
 unique values: 3 coded missing: 0 / 223

tabulation:	Freq.	Numeric	Label
	124	6999	03/01/79
	61	7061	05/02/79
	38	8111	03/17/82

F37HOSP ----- HOSPITALIZED OR OUTPATIENT

type: numeric (float)
 label: F37HOSP
 range: [1,2] units: 1
 unique values: 2 coded missing: 2 / 223

tabulation:	Freq.	Numeric	Label
	220	1	HOSPITALIZED
	1	2	OUTPATIENT

CODEBOOK FOR CSSCD FORM 37
SKELETAL & JOINT FLOW SHEET - PAGE 1
CSSCD FULL COHORT PATIENTS

F37TMP1 ----- TEMPERATURE

type: numeric (float)

range: [35.9,40.6] units: .1
unique values: 35 coded missing: 3 / 223

mean: 37.7055
std. dev: .770203

percentiles:	10%	25%	50%	75%	90%
	37	37.1	37.6	38	38.9

F37TMP2 ----- TEMPERATURE

type: numeric (float)

range: [35.8,40.1] units: .1
unique values: 33 coded missing: 15 / 223

mean: 37.6918
std. dev: .720628

percentiles:	10%	25%	50%	75%	90%
	37	37.2	37.55	38.1	38.7

F37TMP3 ----- TEMPERATURE

type: numeric (float)

range: [35.8,40.2] units: .1
unique values: 36 coded missing: 31 / 223

mean: 37.6292
std. dev: .745446

percentiles:	10%	25%	50%	75%	90%
	37	37.1	37.4	38	38.7

F37TMP4 ----- TEMPERATURE

type: numeric (float)

range: [35.8,40.7] units: .1
unique values: 31 coded missing: 48 / 223

mean: 37.5909
std. dev: .727084

percentiles:	10%	25%	50%	75%	90%
	37	37	37.4	37.9	38.7

CODEBOOK FOR CSSCD FORM 37
SKELETAL & JOINT FLOW SHEET - PAGE 1
 CSSCD FULL COHORT PATIENTS

F37TMP5 ----- TEMPERATURE

type: numeric (float)

range: [36.4,40.5] units: .1
 unique values: 32 coded missing: 67 / 223

mean: 37.5872
 std. dev: .70232

percentiles:	10%	25%	50%	75%	90%
	37	37	37.4	37.9	38.6

F37TMP6 ----- TEMPERATURE

type: numeric (float)

range: [36,40.2] units: .1
 unique values: 34 coded missing: 75 / 223

mean: 37.5615
 std. dev: .71042

percentiles:	10%	25%	50%	75%	90%
	36.9	37	37.5	37.9	38.4

F37SITE1 ----- SITE 1

type: string (str3)

unique values: 41 coded missing: 8 / 223

tabulation:	Freq.	Value	Freq.	Value
	2	"A01"	5	"I11"
	1	"B06"	1	"J01"
	3	"D03"	6	"J02"
	13	"D07"	5	"J09"
	2	"D13"	1	"K04"
	1	"E"	23	"M04"
	4	"E05"	14	"M06"
	8	"E07"	2	"N14"
	12	"F05"	5	"P04"
	2	"G03"	2	"P06"
	1	"G04"	2	"P14"
	4	"G07"	1	"Q03"
	5	"G13"	2	"Q04"
	5	"G17"	22	"T23"
	1	"H06"	1	"T24"
	1	"H07"	1	"V26"
	1	"H08"	7	"V27"
	3	"I02"	1	"W25"
	4	"I04"	12	"W28"
	14	"I06"	7	"W29"
			8	"Z32"

F37SITE1:

CODEBOOK FOR CSSCD FORM 37
SKELETAL & JOINT FLOW SHEET - PAGE 1
CSSCD FULL COHORT PATIENTS

1. See Appendix F - BODY LOCATOR CHARTS/SITE CODE LISTS.

F37EXB11 ----- EXTREMITIES AND BACK

type: numeric (float)
label: F37EXB11

range: [0,7] units: 1
unique values: 8 coded missing: 16 / 223

tabulation:	Freq.	Numeric	Label
	89	0	
	29	1	INFLAMMATION (1)
	26	2	LIMITED MOTION (2)
	23	3	
	3	4	EFFUSION (4)
	4	5	
	8	6	
	25	7	

F37EXB11:

1. Binary coded variable. See Part II for explanation of binary coded variables.
2. This variable encodes symptoms of back and extremities referenced by site and day of follow-up.

F37EXB12 ----- EXTREMITIES AND BACK

type: numeric (float)
label: F37EXB12

range: [0,7] units: 1
unique values: 8 coded missing: 24 / 223

tabulation:	Freq.	Numeric	Label
	90	0	
	26	1	INFLAMMATION (1)
	22	2	LIMITED MOTION (2)
	28	3	
	4	4	EFFUSION (4)
	3	5	
	7	6	
	19	7	

F37EXB12:

1. Binary coded variable. See Part II for explanation of binary coded variables.
2. This variable encodes symptoms of back and extremities referenced by site and day of follow-up.

CODEBOOK FOR CSSCD FORM 37
SKELETAL & JOINT FLOW SHEET - PAGE 1
CSSCD FULL COHORT PATIENTS

F37EXB13 ----- EXTREMITIES AND BACK

type: numeric (float)
label: F37EXB13

range: [0,7] units: 1
unique values: 8 coded missing: 41 / 223

tabulation:	Freq.	Numeric	Label
	88	0	
	23	1	INFLAMMATION (1)
	19	2	LIMITED MOTION (2)
	21	3	
	3	4	EFFUSION (4)
	4	5	
	6	6	
	18	7	

F37EXB13:

1. Binary coded variable. See Part II for explanation of binary coded variables.
2. This variable encodes symptoms of back and extremities referenced by site and day of follow-up.

F37EXB14 ----- EXTREMITIES AND BACK

type: numeric (float)
label: F37EXB14

range: [0,7] units: 1
unique values: 8 coded missing: 65 / 223

tabulation:	Freq.	Numeric	Label
	78	0	
	20	1	INFLAMMATION (1)
	16	2	LIMITED MOTION (2)
	16	3	
	3	4	EFFUSION (4)
	3	5	
	4	6	
	18	7	

F37EXB14:

1. Binary coded variable. See Part II for explanation of binary coded variables.
2. This variable encodes symptoms of back and extremities referenced by site and day of follow-up.

CODEBOOK FOR CSSCD FORM 37
SKELETAL & JOINT FLOW SHEET - PAGE 1
CSSCD FULL COHORT PATIENTS

F37EXB15 ----- EXTREMITIES AND BACK

type: numeric (float)
label: F37EXB15

range: [0,7] units: 1
unique values: 8 coded missing: 75 / 223

tabulation:	Freq.	Numeric	Label
	73	0	
	16	1	INFLAMMATION (1)
	14	2	LIMITED MOTION (2)
	14	3	
	7	4	EFFUSION (4)
	4	5	
	4	6	
	16	7	

F37EXB15:

1. Binary coded variable. See Part II for explanation of binary coded variables.
2. This variable encodes symptoms of back and extremities referenced by site and day of follow-up.

F37EXB16 ----- EXTREMITIES AND BACK

type: numeric (float)
label: F37EXB16

range: [0,7] units: 1
unique values: 8 coded missing: 73 / 223

tabulation:	Freq.	Numeric	Label
	69	0	
	19	1	INFLAMMATION (1)
	12	2	LIMITED MOTION (2)
	16	3	
	9	4	EFFUSION (4)
	2	5	
	10	6	
	13	7	

F37EXB16:

1. Binary coded variable. See Part II for explanation of binary coded variables.
2. This variable encodes symptoms of back and extremities referenced by site and day of follow-up.

CODEBOOK FOR CSSCD FORM 37
SKELETAL & JOINT FLOW SHEET - PAGE 1
CSSCD FULL COHORT PATIENTS

F37SITE2 ----- SITE 2
 type: string (str3)

unique values: 33

coded missing: 89 / 223

tabulation:	Freq.	Value	Freq.	Value
	1	"111"	1	"I06"
	1	"155"	2	"I08"
	2	"404"	6	"K06"
	5	"444"	16	"M04"
	1	"757"	17	"M06"
	3	"D03"	1	"M16"
	2	"D07"	2	"N15"
	2	"E03"	1	"P04"
	2	"F04"	10	"P06"
	4	"F05"	7	"Q06"
	2	"F06"	3	"T23"
	5	"F13"	3	"T24"
	2	"G03"	4	"V26"
	2	"G13"	1	"V27"
	1	"H03"	1	"V29"
	1	"I02"	11	"W29"
			12	"Z32"

F37SITE2:

1. See Appendix F - BODY LOCATOR CHARTS/SITE CODE LISTS.

7.1.0: Painful Episode/Skeletal & Joint Events - Overview

F37EXB21 ----- EXTREMITIES AND BACK

type: numeric (float)
label: F37EXB21

range: [0,7] units: 1
unique values: 8 coded missing: 94 / 223

tabulation:	Freq.	Numeric	Label
	71	0	
	27	1	INFLAMMATION (1)
	7	2	LIMITED MOTION (2)
	5	3	
	8	4	EFFUSION (4)
	3	5	
	2	6	
	6	7	

F37EXB21:

1. Binary coded variable. See Part II for explanation of binary coded variables.
2. This variable encodes symptoms of back and extremities referenced by site and day of follow-up.

F37EXB22 ----- EXTREMITIES AND BACK

type: numeric (float)
label: F37EXB22

range: [0,7] units: 1
unique values: 8 coded missing: 97 / 223

tabulation:	Freq.	Numeric	Label
	73	0	
	27	1	INFLAMMATION (1)
	4	2	LIMITED MOTION (2)
	5	3	
	9	4	EFFUSION (4)
	2	5	
	1	6	
	5	7	

F37EXB22:

1. Binary coded variable. See Part II for explanation of binary coded variables.
2. This variable encodes symptoms of back and extremities referenced by site and day of follow-up.

F37EXB23 ----- EXTREMITIES AND BACK

7.1.0: Painful Episode/Skeletal & Joint Events - Overview

range: [0,7] units: 1
unique values: 7 coded missing: 133 / 223

tabulation:	Freq.	Numeric	Label
	58	0	
	16	1	INFLAMMATION (1)
	5	2	LIMITED MOTION (2)
	4	3	
	1	4	EFFUSION (4)
	1	5	
	5	7	

F37EXB25:

1. Binary coded variable. See Part II for explanation of binary coded variables.
2. This variable encodes symptoms of back and extremities referenced by site and day of follow-up.

F37EXB26 ----- EXTREMITIES AND BACK

type: numeric (float)
label: F37EXB26, but 4 values are not labeled

range: [0,7] units: 1
unique values: 7 coded missing: 139 / 223

tabulation:	Freq.	Numeric	Label
	56	0	
	14	1	INFLAMMATION (1)
	4	2	LIMITED MOTION (2)
	5	3	
	1	4	EFFUSION (4)
	2	6	
	2	7	

F37EXB26:

1. Binary coded variable. See Part II for explanation of binary coded variables.
2. This variable encodes symptoms of back and extremities referenced by site and day of follow-up.

F37SITE3 ----- SITE 3

type: string (str3)

unique values: 22 coded missing: 164 / 223

7.1.0: Painful Episode/Skeletal & Joint Events - Overview

```

tabulation:  Freq.  Value
              1   "D03"
              4   "D13"
              1   "D15"
              1   "G07"
              4   "G17"
              2   "H50"
              1   "I02"
              1   "I06"
              3   "I07"
             11   "I24"
              1   "J01"
              4   "M04"
              1   "M06"
              2   "O06"
              1   "P06"
              1   "Q04"
              1   "R06"
              2   "S21"
              2   "T24"
              2   "V26"
              4   "W29"
              9   "Z32"
    
```

F37SITE3:

1. See Appendix F - BODY LOCATOR CHARTS/SITE CODE LISTS.

F37EXB31 ----- EXTREMITIES AND BACK

```

      type:  numeric (float)
      label:  F37EXB31, but 3 values are not labeled

      range:  [0,7]                      units:  1
unique values: 6                      coded missing: 169 / 223
    
```

```

tabulation:  Freq.  Numeric  Label
              36     0
              8     1  INFLAMMATION (1)
              5     2  LIMITED MOTION (2)
              3     3
              1     4  EFFUSION (4)
              1     7
    
```

F37EXB31:

1. Binary coded variable. See Part II for explanation of binary coded variables.
2. This variable encodes symptoms of back and extremities referenced by site and day of follow-up.

F37EXB32 ----- EXTREMITIES AND BACK

```

      type:  numeric (float)
      label:  F37EXB32, but 3 values are not labeled

      range:  [0,7]                      units:  1
unique values: 6                      coded missing: 173 / 223
    
```


7.1.0: Painful Episode/Skeletal & Joint Events - Overview

tabulation:	Freq.	Numeric	Label
	35	0	
	7	1	INFLAMMATION (1)
	5	2	LIMITED MOTION (2)
	1	3	
	1	4	EFFUSION (4)
	1	7	

F37EXB32:

1. Binary coded variable. See Part II for explanation of binary coded variables.
2. This variable encodes symptoms of back and extremities referenced by site and day of follow-up.

F37EXB33 ----- EXTREMITIES AND BACK

type: numeric (float)
label: F37EXB33, but 2 values are not labeled

range: [0,4] units: 1
unique values: 5 coded missing: 174 / 223

tabulation:	Freq.	Numeric	Label
	37	0	
	6	1	INFLAMMATION (1)
	4	2	LIMITED MOTION (2)
	1	3	
	1	4	EFFUSION (4)

F37EXB33:

1. Binary coded variable. See Part II for explanation of binary coded variables.
2. This variable encodes symptoms of back and extremities referenced by site and day of follow-up.

F37EXB34 ----- EXTREMITIES AND BACK

type: numeric (float)
label: F37EXB34, but 2 values are not labeled

range: [0,3] units: 1
unique values: 4 coded missing: 182 / 223

tabulation:	Freq.	Numeric	Label
	30	0	

7.1.0: Painful Episode/Skeletal & Joint Events - Overview

8	1	INFLAMMATION (1)
2	2	LIMITED MOTION (2)
1	3	
0	4	EFFUSION (4)

F37EXB34:

1. Binary coded variable. See Part II for explanation of binary coded variables.
2. This variable encodes symptoms of back and extremities referenced by site and day of follow-up.

F37EXB35 ----- EXTREMITIES AND BACK

```
      type: numeric (float)
      label: F37EXB35, but 2 values are not labeled

      range: [0,3]                      units: 1
unique values: 4                      coded missing: 185 / 223

      tabulation: Freq.  Numeric  Label
                  30      0
                  6       1  INFLAMMATION (1)
                  1       2  LIMITED MOTION (2)
                  1       3
                  0       4  EFFUSION (4)
```

F37EXB35:

1. Binary coded variable. See Part II for explanation of binary coded variables.
2. This variable encodes symptoms of back and extremities referenced by site and day of follow-up.

F37EXB36 ----- EXTREMITIES AND BACK

```
      type: numeric (float)
      label: F37EXB36, but 2 values are not labeled

      range: [0,3]                      units: 1
unique values: 3                      coded missing: 187 / 223

      tabulation: Freq.  Numeric  Label
                  30      0
                  4       1  INFLAMMATION (1)
                  0       2  LIMITED MOTION (2)
```

7.1.0: Painful Episode/Skeletal & Joint Events - Overview

2 3

F37EXB36:

1. Binary coded variable. See Part II for explanation of binary coded variables.
2. This variable encodes symptoms of back and extremities referenced by site and day of follow-up.

F37SITE4 ----- SITE 4

type: string (str3)

unique values: 11 coded missing: 187 / 223

tabulation:	Freq.	Value
	1	"D03"
	3	"D07"
	2	"D17"
	1	"G03"
	14	"M06"
	2	"P14"
	3	"T24"
	2	"V26"
	2	"V27"
	1	"Y30"
	5	"Z32"

F37SITE4:

1. See Appendix F - BODY LOCATOR CHARTS/SITE CODE LISTS.

F37EXB41 ----- EXTREMITIES AND BACK

type: numeric (float)

label: F37EXB41, but 2 values are not labeled

range: [0,3] units: 1

unique values: 4 coded missing: 187 / 223

tabulation:	Freq.	Numeric	Label
	17	0	
	2	1	INFLAMMATION (1)
	4	2	LIMITED MOTION (2)
	13	3	
	0	4	EFFUSION (4)

7.1.0: Painful Episode/Skeletal & Joint Events - Overview

F37EXB41:

1. Binary coded variable. See Part II for explanation of binary coded variables.
2. This variable encodes symptoms of back and extremities referenced by site and day follow-up.

F37EXB42 ----- EXTREMITIES AND BACK

type: numeric (float)
label: F37EXB42, but 2 values are not labeled

range: [0,3] units: 1
unique values: 4 coded missing: 188 / 223

tabulation:	Freq.	Numeric	Label
	17	0	
	3	1	INFLAMMATION (1)
	2	2	LIMITED MOTION (2)
	13	3	
	0	4	EFFUSION (4)

F37EXB42:

1. Binary coded variable. See Part II for explanation of binary coded variables.
2. This variable encodes symptoms of back and extremities referenced by site and day follow-up.

F37EXB43 ----- EXTREMITIES AND BACK

type: numeric (float)
label: F37EXB43, but 2 values are not labeled

range: [0,3] units: 1
unique values: 4 coded missing: 189 / 223

tabulation:	Freq.	Numeric	Label
	17	0	
	2	1	INFLAMMATION (1)
	2	2	LIMITED MOTION (2)
	13	3	
	0	4	EFFUSION (4)

F37EXB43:

7.1.0: Painful Episode/Skeletal & Joint Events - Overview

site and day follow-up.

F37EXB46 ----- EXTREMITIES AND BACK

type: numeric (float)
label: F37EXB46, but 2 values are not labeled

range: [0,3] units: 1
unique values: 3 coded missing: 196 / 223

tabulation:	Freq.	Numeric	Label
	14	0	
	0	1	INFLAMMATION (1)
	2	2	LIMITED MOTION (2)
	11	3	
	0	4	EFFUSION (4)

F37EXB46:

1. Binary coded variable. See Part II for explanation of binary coded variables.
2. This variable encodes symptoms of back and extremities referenced by site and day follow-up.

F37CBHB1 ----- CBC HB G-DL

type: numeric (float)

range: [5.1,14.1] units: .1
unique values: 68 coded missing: 69 / 223

mean: 8.97013
std. dev: 1.80037

percentiles:	10%	25%	50%	75%	90%
	6.7	7.8	8.6	10.2	11.6

F37CBHB2 ----- CBC HB G-DL

type: numeric (float)

range: [4.8,13.9] units: .1
unique values: 50 coded missing: 120 / 223

mean: 9.05437
std. dev: 1.76212

percentiles:	10%	25%	50%	75%	90%
	6.9	7.8	8.9	10.1	11.5

F37CBHC1 ----- CBC HCT %

type: numeric (float)

range: [15.5,40.1] units: .1
unique values: 98 coded missing: 65 / 223

mean: 26.7152

7.1.0: Painful Episode/Skeletal & Joint Events - Overview

std. dev: 5.38002

percentiles:	10%	25%	50%	75%	90%
	20.1	22.7	25.95	30.9	34.4

F37CBHC2 ----- CBC HCT %

type: numeric (float)

range: [17.3,39.4] units: .1
unique values: 88 coded missing: 118 / 223

mean: 27.2038
std. dev: 5.1793

percentiles:	10%	25%	50%	75%	90%
	20.6	23.5	26.3	31	34

F37CBWB1 ----- CBC WBC X10NINTH-L

type: numeric (float)

range: [5.3,31.2] units: .1
unique values: 93 coded missing: 79 / 223

mean: 13.2535
std. dev: 4.65299

percentiles:	10%	25%	50%	75%	90%
	7.9	9.85	12.4	16.15	20

F37CBWB1:

1. Should be 'uncorrected' in relation to nucleated red blood cells.

F37CBWB2 ----- CBC WBC X10NINTH-L

type: numeric (float)

range: [4,62.7] units: .1
unique values: 73 coded missing: 124 / 223

mean: 12.8657
std. dev: 7.06677

percentiles:	10%	25%	50%	75%	90%
	7	8.9	11.1	15	21.4

F37CBWB2:

1. Should be 'uncorrected' in relation to nucleated red blood cells.

F37RETI1 ----- RETICULOCYTES

type: numeric (float)

range: [.1,30] units: .1
unique values: 78 coded missing: 94 / 223

7.1.0: Painful Episode/Skeletal & Joint Events - Overview

mean: 10.2698
std. dev: 7.85087

percentiles:	10%	25%	50%	75%	90%
	1.6	4	8.2	15.2	23.8

F37RETI2 ----- RETICULOCYTES

type: numeric (float)

range:	[.1,33.8]	units:	.1
unique values:	54	coded missing:	140 / 223

mean: 9.19518
std. dev: 6.8682

percentiles:	10%	25%	50%	75%	90%
	1.3	3.6	7.9	15	18.9

_dta:

1. Created 06/15/00.
