

9.0: Interactive Events - Overview

CSSCD Forms (collection) and Datasets (storage) Relating to Interactive Event Data

<u>Form #</u>	<u>Name of Form</u>	<u>Collected</u>	<u>Patient Population</u>	<u>SAS Dataset</u>
83	Surgery and Anesthesia Form	03/01/79- 05/31/86	All	R83.SD2
		06/01/86- 09/30/88	Patients entered at < 6 months of age	
84	Transfusion Form	03/01/79- 05/31/86	All	R84.SD2
		06/01/86- 01/30/88	Patients entered at < 6 months of age	
--	"Chronic Transfusion History"	03/01/79- 09/30/88	All—includes summary information on transfusions given within each year of follow-up through end of Phase 1 follow-up	R85.SD2
90	Notice of Non-SCD Initiated Hospitalization	03/01/79- 05/31/86	All	R90.SD2
		06/01/86- 09/30/88	Patients entered at < 6 months of age.	
82	Pregnancy Form	03/01/79- 05/31/86	All females	R82.SD2
--	"Pregnancy Summary"	03/01/79- 05/31/86	All females	R72.SD2
91	Cause of Death Form	03/01/79- 09/30/88	All	R91.SD2
--	"Cause of Death Summary"	03/01/79- 09/30/88	All—includes summary information on all deaths reported to the SCC even when no Form 91 was submitted	R89.SD2
	Data table R89 is not included in the limited access database			
--	"Cause of Death Adjudications"	03/01/79- 08/31/87	HbSS patients who died at age < 20; 2 controls for each patient who died included in dataset	R93.SD2

9.1: Surgery and Anesthesia Form – Form 83

- A. List of variables deleted **F83DATE F83INIT F83NDATE F83LASTU F83LASTE
F83ESTAT F83VDATE F83DFC F83FCB**
- 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 **F83DATE**
- H. New name **JF83DATE**
- I. Collection Information:
 Form 83 (Surgery and Anesthesia Form) was to be completed whenever a study patient underwent administration of a general or regional anesthetic with or without an operative procedure at a CSSCD study institution.
 Anesthesia, operative, and pathology reports were to be attached to Form 83 when the form was submitted.
- J. Data Collection Period: 03/79 – 09/88
 Form 83 was used between 03/01/79 and 05/31/86 for all patients and continued to be used for patients entered at < 6 months of age until 09/30/88.
- K. Form Version Dates: 03/01/79
- L. Files Used to Store Information:
 SAS System File: **R83.SD2**
 Format File: **R83.FMT**
- M. Unique Record Identifiers: **ANONID, F83DATE**
 Records within the dataset are sorted by **ANONID** and **F83DATE**. There are some bad preop hemoglobin values (< 5 and > 17) that should be rechecked before analysis.
 Also, in a few cases, surgical forms completed for a C-section procedure performed on a non-study mother of a CSSCD newborn are stored with the newborn's ID—these should not have been entered on the database.
- N. Number of Observations (Patients) in SAS Dataset: 1197 (788)
- O. Contents of SAS Dataset:

9.1: Surgery and Anesthesia Form – Form 83

- Alphabetical Listing of Variables: See pp. 6-7
- Listing of Variables by Position: See pp. 8-9

P. Notes About Selected Variables:

- **F83PRE1-3, F83PICDA, F83RICDA** – are variable names for preop, postop, and pathology diagnosis codes respectively. In most cases, values between 21 and 83 correspond to “V” code diagnoses rather than disease categories.
- **F83ICDA** – is the variable name for surgical procedure code. Space for only one surgical procedure code was provided. As a result, recording of some important procedures may have been missed—e.g., if cholecystectomy and splenectomy were concurrent, the code for only one of these procedures was entered; if C-section and tubal ligation were concurrent, the code for only one of these procedures was entered. Hopefully, the procedure code not entered on the database was reported on some other form [See Section J]. When possible, the more interesting surgical procedure code was entered—e.g., if appendectomy and cholecystectomy were performed at the same time, the code for cholecystectomy was entered. Invalid values between 100 and 999 need to be rechecked—the value probably corresponds to a preop or postop diagnosis code rather than a surgical procedure code.
- **F83DAYS, F83DAYSA** – are variable names for number of days hospitalized and number of days hospitalized after surgery respectively. The variables were defined as 2-digit integers—a value of “99” was entered for values > 99.
- **F83DUR** – is the variable name for duration of administration of anesthesia. The value is hours x 100 + minutes.

Q. Computed Variables: None, but see **F83DUR** under section H above.

R. Inter-Relationship With Other Datasets:

Information about surgical procedures was collected on many forms in addition to the detailed surgery form:

Phase 1 Forms	SAS Dataset
<u>Past Medical Hx</u>	
10	R10.SD2, R29.SD2
14	R14.SD2, R29.SD2
15	R15.SD2, R29.SD2
<u>Routine Visit</u>	
17, 19, 20, 21, 24	R1722.SD2

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25	R25.SD2
<u>Acute Event</u>	
34	R34.SD2
44	R44.SD2
50	R50.SD2
50E	R80.SD2
51E	R81.SD2
53	R53.SD2
57	R57.SD2

Phase 1 Forms	SAS Dataset
<u>Chronic/Interactive Event</u>	
60	R60.SD2
62	R62.SD2
64	R64.SD2
66	R66.SD2
71	R71.SD2
82	F82.SD2
84	R84.SD2
91	R91.SD2
<u>Other</u>	
18	R18.SD2
26	R20.SD2
75	R75.SD2
76	R76.SD2

The type of surgery-related data collected on Phase 1 forms listed above is summarized in the table below:

<u>Type of Surgery Asked About</u>	<u>Form #(s)</u>	<u>SAS Dataset</u>	<u>Variable Names</u>
Eye	10	R10.SD2	F10OPLTD, F100PLT
	18	R18.SD2	F18SURG
	66	R66.SD2	F66CRYO, F66DIATH
Gallbladder Removal	10	R10.SD2	F10OPGBD, F10OPGB
	25	R25.SD2	F25GALB1, F25GALD1, F25GALB2, F25GALD2
	53	R53.SD2	F53CHOL, F53CHOLM, F53CHOLY
Liver Biopsy	34	R34.SD2	F34LIVER
	53	R53.SD2	F53LIVBX
Splenectomy	10	R10.SD2	F10OPRSD, F10OPRS
	25	R25.SD2	F25SURSP, F25DTESP

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Renal Biopsy	53	R53.SD2	F53SPLP, F53SPLN
	62	R62.SD2	F62BIOP, F62BIODT
	71	R71.SD2	F71REBDT, F71REBIO, F71REBLR
	26	R20.SD2	F20ESRD, F20BIOP

<u>Type of Surgery Asked About</u>	<u>Form #(s)</u>	<u>SAS Dataset</u>	<u>Variable Names</u>
Hip/Shoulder Replacement	10	R10.SD2	F10OPHRD, F10OPHR
	25	R25.SD2	F25SURHP, F25DTEHP
	75	R75.SD2	SHPROS
	75	R76.SD2	HPPROS
	64	R64.SD2	F64SURG1-6
Exploration of bone for infection	25	R25.SD2	F25SURBO, F25DTEBO
Skin grafts for leg ulcers	60	R60.SD2	F60PAST, F60TREAT
Surgical procedures for priapism	50	R50.SD2	F50SURG, F50STYPE
	50E	R80.SD2	F80SURG
	51E	R81.SD2	F81SURG, F81SURGD, F81SURGT
	53	R53.SD2	F53PENSR
	57	R57.SD2	F57OPYR
Hysterectomy, C-Sections, Tubal ligation	10	R10.SD2	F10CONTL
	10, 14, 15	R29.SD2	F29CGS1-8
	14	R14.SD2	F14TYPDL
	15	R15.SD2	F15TYPDL
	17, 16, 20, 21, 24	R1722.SD2	F17CONTH
	25	R25.SD2	F25MENIR, F25MENHY, F25CONTH, F25SURHY, F25DTEHY
Non-specific or other	82	R82.SD2	F82CCS
	10	R10.SD2	F10OPER, F10OPR1I, F10OPR1D, F10OPR1M, F10OPR2I, F10OPR2D, F10OPR2M, F10OPR3I, F10OPR3D, F10OPR3M
	14	R14.SD2	F14ANES, F14SRGP
	15	R15.SD2	F15ANES, F15SRGP
	17, 19, 20, 21, 24	R1722.SD2	F17SURG, F17SURTP
	25	R25.SD2	F25SURG, F25SUROT, F25DTEOT, F25ICDA
	44	R44.SD2	F44HIST2

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	53	R53.SD2	F53SURG
	98	R98.SD2	F98CAS
As reason for transfusion	84	R84.SD2	F84CD1 or F84CD2=83
as cause of death	91	R91.SD2	F91IMCSE

CODEBOOK FOR CSSCD FORM 83

SURGERY AND ANESTHESIA

CSSCD FULL COHORT PATIENTS

CONTENTS OF SAS DATASET: R83.SD2

DATA FROM CSSCD FORM 83 - SURGERY AND ANESTHESIA FORM
VARIABLES ARE LISTED IN ALPHABETICAL ORDER AND IN ORDER OF THEIR
POSITION IN THE SAS DATASET AND ON FORM 83

The SAS System 16:06 Tuesday, February 20, 2007 1

The CONTENTS Procedure

Data Set Name	OUT1.R83	Observations	1197
Member Type	DATA	Variables	45
Engine	V9	Indexes	0
Created	11:39 Tuesday, February 13, 2007	Observation Length	376
Last Modified	11:39 Tuesday, February 13, 2007	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	29
First Data Page	1
Max Obs per Page	43
Obs in First Data Page	26
Number of Data Set Repairs	0
File Name	r83.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 #
20	F83BALIV	Num	8	BALANCED INTRAVENOUS
23	F83COMP	Num	8	COMPLICATIONS DURING SURGERY
15	F83COND	Num	8	CONDUCTION TYPE
16	F83COND1	Num	8	CONDUCTION MEDICATION CODES
17	F83COND2	Num	8	CONDUCTION MEDICATION CODES
18	F83COND3	Num	8	CONDUCTION MEDICATION CODES
39	F83DAYS	Num	8	TOTAL DAYS IN HOSPITAL
40	F83DAYSA	Num	8	DAYS IN HOSPITAL AFTER SURGERY
24	F83DUR	Num	8	DURATION OF ADMIN. OF ANESTHESIA
41	F83EVNT1	Char	12	ASSOCIATED EVENT CODE 1
42	F83EVNT2	Char	12	ASSOCIATED EVENT CODE 2
43	F83EVNT3	Char	12	ASSOCIATED EVENT CODE 3
44	F83EVNT4	Char	12	ASSOCIATED EVENT CODE 4
36	F83ICDA	Num	8	ICDA CODE FOR SURGICAL PROCEDURE
19	F83INHAL	Num	8	INHALATION
29	F83PCOMP	Num	8	POSTOPERATIVE COMPLICATIONS
37	F83PICDA	Num	8	ICDA CODE FOR POSTOPERATIVE DIAGNOSIS
31	F83POMD1	Num	8	POSTOPERATIVE MEDICATION CODES

SECTION 9.1 SURGERY AND ANESTHESIA

FORM 83

CODEBOOK FOR CSSCD FORM 83**SURGERY AND ANESTHESIA**

CSSCD FULL COHORT PATIENTS

32	F83POMD2	Num	8	POSTOPERATIVE MEDICATION CODES
33	F83POMD3	Num	8	POSTOPERATIVE MEDICATION CODES
34	F83POMD4	Num	8	POSTOPERATIVE MEDICATION CODES
35	F83POMD5	Num	8	POSTOPERATIVE MEDICATION CODES
30	F83POMED	Num	8	POSTOPERATIVE MEDICATION
4	F83PRE1	Num	8	PREOPERATIVE SURGICAL DIAGNOSIS (ICDA)
5	F83PRE2	Num	8	PREOPERATIVE SURGICAL DIAGNOSIS (ICDA)
6	F83PRE3	Num	8	PREOPERATIVE SURGICAL DIAGNOSIS (ICDA)
9	F83PRHBA	Num	8	PREOPERATIVE ELECTROPHORESIS HB A
8	F83PRHGB	Num	8	PREOPERATIVE HEMOGLOBIN
10	F83PRHYD	Num	8	PREOPERATIVE HYDRATION
12	F83PRMD1	Num	8	PREOPERATIVE MEDICATION CODES
13	F83PRMD2	Num	8	PREOPERATIVE MEDICATION CODES
14	F83PRMD3	Num	8	PREOPERATIVE MEDICATION CODES
11	F83PRMED	Num	8	PREOPERATIVE MEDICATION
7	F83PRTRN	Num	8	PREOPERATIVE TRANSFUSION
26	F83RAIR	Num	8	RECOVERY ROOM AIRWAY OBSTRUCTION
27	F83RHYP0	Num	8	RECOVERY ROOM HYPOTENSION
38	F83RICDA	Num	8	ICDA CODE FOR REPORT FROM PATHOLOGY
28	F83ROXY	Num	8	RECOVERY ROOM OXYGEN ADMIN.
25	F83RTRN	Num	8	RECOVERY ROOM TRANSFUSION
2	F83SPROC	Num	8	SURGICAL PROCEDURE
3	F83STIME	Num	8	TIME OF SURGERY
21	F83TECH	Num	8	SPECIAL TECHNIQUES
22	F83TRANS	Num	8	TRANSFUSION DURING SURGERY
45	JF83DATE	Num	8	DATE OF SURGERY - RECODE DAYS SINCE DOE

CODEBOOK FOR CSSCD FORM 83
SURGERY AND ANESTHESIA
CSSCD FULL COHORT PATIENTS

*

* R83.FMT contains value labels for numerical codes assigned to
categorical * ;

* variables in the SAS dataset R83.SD2

* ;

*****;

* SIR/DBMS 2.2 SAS PROC STEP FROM DATABASE: CSSCD 06/02/99 16:30:30;

PROC FORMAT;

* FORMAT F83SPROC IS DEFINED FOR VARIABLE F83SPROC;

VALUE F83SPROC

1 = 'ELECTIVE'
2 = 'EMERGENCY';

* FORMAT F83STIME IS DEFINED FOR VARIABLE F83STIME;

VALUE F83STIME

1 = 'AM'
2 = 'PM';

* FORMAT NOYES IS DEFINED FOR VARIABLES F83PRTRN F83PRHYD F83PRMED
F83BALIV F83TRANS F83RTRN
F83RAIR F83RHYPO F83ROXY
F83POMED;

VALUE NOYES

1 = 'NO'
2 = 'YES';

* FORMAT F83COND IS DEFINED FOR VARIABLE F83COND;

VALUE F83COND

0 = 'INCOMPLETE RESP(0).'
1 = 'SPINAL(1)'
2 = 'EPIDURAL(2)'
4 = 'NERVE BLOCK(4)'
8 = 'LOCAL(8)'
16 = 'NONE(16)';

* FORMAT F83INHAL IS DEFINED FOR VARIABLE F83INHAL;

VALUE F83INHAL

0 = 'INCOMPLETE RESP(0).'
1 = 'HALOTHANE(1)'

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SURGERY AND ANESTHESIA
CSSCD FULL COHORT PATIENTS

2	= 'ENFLURANE(2)'
4	= 'NITROUS OXIDE(4)'
8	= 'OTHER(8)'
16	= 'NONE(16)';

* FORMAT F83TECH IS DEFINED FOR VARIABLE F83TECH;

VALUE F83TECH

1	= 'HYPOTHERMIA(1)'
2	= 'HYPOTENSION(2)'
4	= 'TOURNIQUET(4)'
8	= 'OTHER(8)'
16	= 'NONE(16)';

* FORMAT F83COMP IS DEFINED FOR VARIABLE F83COMP;

VALUE F83COMP

1	= 'HYPOTENSION(1)'
2	= 'HYPOXIA(2)'
4	= 'BLEEDING(4)'
8	= 'OTHER(8)'
16	= 'NONE(16)';

* FORMAT F83PCOMP IS DEFINED FOR VARIABLE F83PCOMP;

VALUE F83PCOMP

0	= 'INCOMPLETE RESP(0).'
1	= 'INFECTION(1)'
2	= 'FEVER(2)'
4	= 'PAINFUL CRISIS(4)'
8	= 'BLEEDING(8)'
16	= 'THROMBOSIS(16)'
32	= 'EMBOLISM(32)'
64	= 'TRANSFUSION(64)'
128	= 'DEATH(128)'
256	= 'OTHER(256)'
512	= 'NONE(512)';

* FORMAT F83SPROC F83SPROC.
F83STIME F83STIME.
F83PRTRN F83PRHYD F83PRMED F83BALIV F83TRANS
F83RTRN F83RAIR F83RHYPO F83ROXY F83POMED NOYES.
F83COND F83COND.
F83INHAL F83INHAL.
F83TECH F83TECH.

CODEBOOK FOR CSSCD FORM 83
SURGERY AND ANESTHESIA
CSSCD FULL COHORT PATIENTS

F83COMP F83COMP.
F83PCOMP F83PCOMP.;

RUN;
QUIT;

CODEBOOK FOR CSSCD FORM 83
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 CSSCD PHASE I FULL COHORT

F83VDATE ----- VERSION DATE **DELETED**

type: numeric daily date (int)
 label: datelab

range: [6999,6999] units: 1
 or equivalently: [01mar1979,01mar1979] units: days
 unique values: 1 coded missing: 0 / 1197

tabulation: Freq. Numeric Label
 1197 6999 03/01/79

F83EVNT1 ----- ASSOCIATED EVENT CODE 1

type: string (str12), but longest is str2

unique values: 36 coded missing: 340 / 1197

tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value
	1	"12"		2	"44"		1	"57"		2	"80"
	5	"14"		1	"45"		1	"58"		70	"82"
	1	"24"		7	"46"		15	"60"		24	"83"
	30	"30"		14	"48"		8	"62"		400	"84"
	5	"31"		11	"50"		6	"64"		138	"90"
	18	"32"		1	"52"		1	"66"		1	"91"
	44	"34"		1	"53"		1	"70"		1	"92"
	1	"35"		24	"54"		1	"71"		1	"99"
	17	"36"		1	"56"		1	"79"			
	1	"40"									

F83EVNT1:

1. See Appendix L for codes.

F83EVNT2 ----- ASSOCIATED EVENT CODE 2

type: string (str12), but longest is str2

unique values: 37 coded missing: 340 / 1197

tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value
	432	"00"		12	"36"		4	"52"		17	"83"
	3	"13"		1	"37"		1	"53"		172	"84"
	9	"14"		3	"40"		16	"54"		1	"87"
	6	"30"		1	"44"		1	"60"		1	"88"
	11	"31"		5	"46"		3	"62"		1	"89"
	14	"32"		1	"47"		5	"64"		54	"90"
	6	"33"		16	"48"		2	"66"		2	"91"
	22	"34"		2	"49"		1	"78"		1	"96"
	6	"35"		4	"50"		1	"81"			
				3	"51"		3	"82"			

F83EVNT2:

1. See Appendix L for codes.

CODEBOOK FOR CSSCD FORM 83
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 CSSCD PHASE I FULL COHORT

tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value
	1	639		2	701.1		1	736.71		1	827
	3	640		1	701.4		1	736.79		1	835
	1	641.1		1	706.2		1	737.3		1	836
	1	641.11		1	707		1	737.39		1	838
	1	641.21		45	707.1		1	743.3		1	838.16
	2	642.04		1	707.8		1	745.5		1	852.4
	4	642.41		3	707.9		1	746.02		2	853
	1	642.5		1	708.9		7	747.6		1	865.04
	1	642.6		1	709.2		1	748.3		1	870.8
	2	644.2		1	709.4		1	749		1	871.7
	1	644.21		2	709.9		1	749.2		1	872
	1	646.24		1	710		1	751.61		1	873.4
	2	646.81		3	711.01		4	752.5		1	873.42
	1	646.9		3	711.05		2	754.51		1	873.62
	1	648.21		1	711.98		5	754.7		1	874.2
	1	648.91		1	718.47		2	755.1		1	878
	5	650		1	718.65		1	756.89		1	880.03
	2	653.4		1	719.88		1	764.9		1	882.2
	1	653.41		1	722.52		7	768.4		1	883.1
	6	654.2		2	724.1		1	770.1		1	891
	4	656.3		2	727.81		2	779.6		1	906.8
	5	656.31		1	728.89		1	780.3		1	921.9
	1	656.4		5	730		4	782.2		3	922.2
	1	656.51		1	730.03		1	782.4		1	927.2
	1	657.03		2	730.06		2	784.2		1	934.1
	1	658.3		3	730.1		2	785.4		1	945.04
	1	658.4		1	730.15		4	785.6		2	946.3
	2	659.1		4	730.2		2	786.09		1	955.7
	1	659.11		2	730.22		1	786.6		1	956.3
	1	659.51		1	730.23		3	786.8		1	960.4
	1	660.1		4	730.25		1	787.6		1	996.05
	1	660.11		7	730.26		6	789		1	996.08
	3	666		1	730.28		4	789.2		2	996.1
	1	666.04		1	732.1		1	789.9		1	996.4
	1	666.14		2	733		1	790.4		4	996.59
	1	666.24		1	733.1		1	791		2	996.6
	1	667		1	733.2		1	799.1		2	996.7
	1	667.04		4	733.4		2	802.2		1	996.8
	1	667.07		1	733.41		1	813.03		1	996.81
	4	669.7		36	733.42		1	816.01		2	997.2
	1	682		2	733.43		1	820.22		1	997.6
	1	682.1		3	733.49		1	821		4	998.1
	1	682.4		1	733.91		1	823.2		2	998.4
	4	682.6		3	733.99		2	823.9		4	998.5
	2	682.9		1	735.4		2	823.92		1	998.8
	1	695.89		1	736.7		1	825.35		2	999.99

F83PRE1:

1. See ICD-9-CM codebook for diagnosis codes.

CODEBOOK FOR CSSCD FORM 83
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 CSSCD PHASE I FULL COHORT

F83PRE2 ----- PREOPERATIVE SURGICAL DIAGNOSIS (ICDA)

type: numeric (float)

range: [3,999.99]

units: .01

unique values: 151

coded missing: 918 / 1197

tab:	Freq.	Value						
			1	373.13	2	575.8	1	654.2
			1	378.91	1	576.1	1	654.21
	1	3	1	380.1	1	576.8	1	656.2
	3	22.2	1	381.01	1	581.9	2	656.3
	3	25.2	1	381.03	2	585	1	656.31
	2	27	2	382.9	1	586	1	656.5
	1	28.2	1	398.9	1	587	1	658.01
	1	38.9	1	401.09	1	590	1	661.11
	1	41.5	1	403.9	1	590.8	1	666
	1	45.1	1	410.9	1	599.6	1	670.04
	1	45.5	1	416	2	603.9	1	682
	1	45.89	1	428.9	1	605	1	682.9
	1	47.1	1	429.5	2	607	1	707.1
	1	50.12	1	458.9	1	607.2	1	711.02
	2	51.22	1	459	1	607.84	1	718.43
	1	61.05	1	463	1	614.09	1	719.26
	1	61.5	2	474.11	2	617	1	719.45
	1	61.7	3	474.12	1	618.8	1	733.42
	1	85.32	1	474.9	3	620.2	1	733.49
	1	86.69	1	478	1	620.8	1	736.7
	1	122.2	1	486.09	1	622.7	1	747.42
	1	161.05	1	511.9	1	625.3	2	768.4
	1	219.8	1	519.8	1	626.8	2	780.6
	1	262.6	2	522.5	1	633.9	1	782.4
	1	274.9	1	533.7	1	635.9	1	785.6
	1	275	1	533.9	1	635.92	2	820.8
	1	280.6	1	541	1	637.9	2	823.91
	1	282.4	2	550.9	1	637.91	1	871.4
	69	282.6	1	553.1	2	641.2	1	884.1
	9	282.61	1	553.2	2	642.4	1	922.02
	6	282.62	1	553.29	1	642.41	1	930.4
	2	282.63	1	567.2	1	642.5	1	956.5
	2	282.65	1	571.49	1	642.51	1	996.32
	1	282.82	1	574	1	642.9	1	996.7
	1	283	2	574.1	1	644.21	1	999.98
	1	285.9	8	574.2	2	645.01	2	999.99
	1	311	3	575	1	648		
	1	359.9	6	575.1	3	648.91		
	1	361.9	1	575.5	1	653.91		

F83PRE2:

1. See ICD-9-CM codebook for diagnosis codes.

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F83PRE3 ----- PREOPERATIVE SURGICAL DIAGNOSIS (ICDA)

type: numeric (float)
 range: [22.2,921.3] units: .01
 unique values: 48 coded missing: 1132 / 1197

tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value
	2	22.2		1	311		2	572.3		1	653.04
	3	25.2		2	362.1		1	575		1	656.2
	1	38.9		1	362.29		1	590.8		1	656.3
	1	47		2	381.1		1	607.84		1	656.31
	1	61.5		1	389		1	614.02		1	659.1
	1	74.2		1	394.9		1	614.2		2	659.11
	1	74.4		1	416		1	614.6		1	669.7
	1	75.1		1	428.9		1	617.9		1	701.4
	1	135		1	429.3		1	625		1	764.09
	1	277.4		1	478.1		1	642.4		1	782.4
	8	282.6		1	486		1	648.91		1	867.4
	4	282.62		1	555.9		1	652.51		1	921.3

F83PRE3:
 1. See ICD-9-CM codebook for diagnosis codes.

F83PRTRN ----- PREOPERATIVE TRANSFUSION

type: numeric (float)
 label: F83PRTRN
 range: [1,2] units: 1
 unique values: 2 coded missing: 3 / 1197

tabulation:	Freq.	Numeric	Label
	428	1	NO
	766	2	YES

F83PRHYD ----- PREOPERATIVE HYDRATION

type: numeric (float)
 label: F83PRHYD
 range: [1,2] units: 1
 unique values: 2 coded missing: 12 / 1197

tabulation:	Freq.	Numeric	Label
	227	1	NO
	958	2	YES

F83PRMED ----- PREOPERATIVE MEDICATION

type: numeric (float)
 label: F83PRMED
 range: [1,2] units: 1
 unique values: 2 coded missing: 18 / 1197

tabulation:	Freq.	Numeric	Label
	345	1	NO
	834	2	YES

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F83PRMD1 ----- PREOPERATIVE MEDICATION CODES

		type: numeric (float)				units: 1	
		range: [6,999]				coded missing: 381 / 1197	
		unique values: 80					
tab:	Freq. Value	tab:	Freq. Value	tab:	Freq. Value	tab:	Freq. Value
	1 6		3 190		1 327		3 481
	1 7		1 191		1 328		1 482
	11 28		1 199		1 335		136 484
	1 33		1 213		54 337		2 487
	3 34		1 216		1 338		2 506
	89 48		1 231		2 344		1 512
	2 59		5 249		25 346		22 519
	1 71		1 257		9 364		2 530
	3 92		1 258		1 367		1 533
	1 94		2 259		4 369		1 534
	3 119		1 274		5 370		8 541
	1 121		1 276		3 371		1 542
	1 137		6 279		8 372		29 549
	9 156		1 292		1 373		4 562
	1 160		1 296		1 374		11 564
	1 164		4 298		2 382		1 576
	6 170		12 300		5 427		2 577
	232 171		2 306		8 428		1 717
	1 177		2 311		1 429		1 928
	6 184		7 323		2 480		24 999

F83PRMD1:

1. See Appendix D - CODED DRUG LIST.
2. Required only if F83PRMED=2.

F83PRMD2 ----- PREOPERATIVE MEDICATION CODES

		type: numeric (float)				units: 1	
		range: [0,999]				coded missing: 650 / 1197	
		unique values: 86					
tab:	Freq. Value	tab:	Freq. Value	tab:	Freq. Value	tab:	Freq. Value
	2 0		56 171		1 328		1 435
	2 6		1 177		1 332		1 448
	1 14		1 182		32 337		1 463
	1 19		1 184		2 344		2 464
	1 21		2 190		17 346		2 480
	7 28		2 191		1 347		44 484
	1 45		1 192		1 364		1 487
	90 48		1 213		1 367		1 505
	1 56		1 226		1 369		2 512
	4 59		1 239		1 370		2 517
	1 92		6 249		2 371		62 519
	1 99		1 258		2 372		3 541
	1 101		7 259		3 373		1 542
	2 119		20 279		33 382		1 545
	1 121		1 298		1 397		42 549
	1 126		3 299		1 410		1 550
	2 137		6 300		8 427		2 553
	3 156		2 311		6 428		1 557
	1 159		1 314		1 430		1 558
	1 164		2 323		1 434		2 562

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tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value
	1	564		1	576		1	577		1	771
							1	579		13	999

F83PRMD2:

1. See Appendix D - CODED DRUG LIST.
2. Required only if F83PRMED=2 and > 1 medication given.

F83PRMD3 ----- PREOPERATIVE MEDICATION CODES

type: numeric (float)

range: [6,999]

units: 1

unique values: 62

coded missing: 960 / 1197

tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value
	1	6		1	245		1	375		10	519
	1	7		4	249		8	382		1	538
	1	21		3	259		1	384		2	541
	4	28		1	270		1	397		2	542
	1	41		1	275		1	407		31	549
	54	48		5	279		4	427		1	550
	2	56		1	289		1	428		1	552
	1	72		2	299		3	435		1	562
	4	92		1	300		2	464		1	564
	1	102		1	304		3	480		1	568
	1	119		1	323		2	481		1	573
	1	150		1	332		1	482		1	574
	1	156		9	337		15	484		2	577
	15	171		5	346		1	497		1	579
	2	190		1	372		2	506		4	999
				3	373		1	515			

F83PRMD3:

1. See Appendix D - CODED DRUG LIST.
2. Required only if F83PRMED=2 and > 2 medications given.

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F83COND ----- CONDUCTION TYPE

type: numeric (float)
 label: F83COND
 range: [0,16] units: 1
 unique values: 11 coded missing: 171 / 1197

tabulation:	Freq.	Numeric	Label
	23	0	INCOMPLETE RESP(0).
	39	1	SPINAL(1)
	49	2	EPIDURAL(2)
	2	3	
	36	4	NERVE BLOCK(4)
	1	5	
	1	7	
	128	8	LOCAL(8)
	1	10	
	2	12	
	744	16	NONE(16)

F83COND:

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

F83COND1 ----- CONDUCTION MEDICATION CODES

type: numeric (float)
 range: [48,999] units: 1
 unique values: 22 coded missing: 1039 / 1197

tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value
	1	48		1	226		2	373		1	489
	3	86		1	227		1	404		1	504
	5	171		1	288		1	434		24	506
	1	198		28	311		1	482		1	564
	1	213		1	337		1	483		49	999
				3	354		30	484			

F83COND1:

1. See Appendix D - CODED DRUG LIST.

F83COND2 ----- CONDUCTION MEDICATION CODES

type: numeric (float)
 range: [48,999] units: 1
 unique values: 18 coded missing: 1137 / 1197

tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value
	2	48		7	171		1	312		8	484
	1	59		1	226		3	337		1	506
	1	86		4	227		2	354		3	564
	1	170		1	288		1	364		19	999
				3	311		1	373			

F83COND2:

1. See Appendix D - CODED DRUG LIST.

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F83COND3 ----- CONDUCTION MEDICATION CODES

type: numeric (float)
 range: [48,999] units: 1
 unique values: 13 coded missing: 1171 / 1197

tabulation:	Freq.	Value
	3	48
	1	95
	1	184
	2	227
	1	311
	1	337
	1	364
	2	373
	1	382
	1	427
	3	484
	1	506
	8	999

F83COND3:

1. See Appendix D - CODED DRUG LIST.

F83INHAL ----- INHALATION

type: numeric (float)
 label: F83INHAL
 range: [0,16] units: 1
 unique values: 14 coded missing: 69 / 1197

tabulation:	Freq.	Numeric	Label
	47	0	INCOMPLETE RESP(0).
	77	1	HALOTHANE(1)
	35	2	ENFLURANE(2)
	1	3	
	220	4	NITROUS OXIDE(4)
	96	5	
	29	6	
	113	8	OTHER(8)
	15	9	
	5	10	
	156	12	
	41	13	
	8	14	
	285	16	NONE(16)

F83INHAL:

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

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F83BALIV ----- BALANCED INTRAVENOUS

```

      type: numeric (float)
      label: F83BALIV
      range: [1,2]
      unique values: 2
      tabulation: Freq.  Numeric  Label
                  653      1  NO
                  451      2  YES
  
```

units: 1
coded missing: 93 / 1197

F83TECH ----- SPECIAL TECHNIQUES

```

      type: numeric (float)
      label: F83TECH
      range: [1,16]
      unique values: 6
      tabulation: Freq.  Numeric  Label
                  4       1  HYPOTHERMIA(1)
                  2       2  HYPOTENSION(2)
                  11      4  TOURNIQUET(4)
                  32      8  OTHER(8)
                  2       9
                  1135    16  NONE(16)
  
```

units: 1
coded missing: 11 / 1197

F83TECH:

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

F83TRANS ----- TRANSFUSION DURING SURGERY

```

      type: numeric (float)
      label: F83TRANS
      range: [1,2]
      unique values: 2
      tabulation: Freq.  Numeric  Label
                  1049    1  NO
                  142     2  YES
  
```

units: 1
coded missing: 6 / 1197

F83COMP ----- COMPLICATIONS DURING SURGERY

```

      type: numeric (float)
      label: F83COMP
      range: [2,16]
      unique values: 4
      tabulation: Freq.  Numeric  Label
                  2       2  HYPOXIA(2)
                  17      4  BLEEDING(4)
                  16      8  OTHER(8)
                  1157    16  NONE(16)
  
```

units: 1
coded missing: 5 / 1197

F83COMP:

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

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F83RTRN ----- RECOVERY ROOM TRANSFUSION

type: numeric (float)
label: F83RTRN

range: [1,2] units: 1
unique values: 2 coded missing: 8 / 1197

tabulation:	Freq.	Numeric	Label
	1113	1	NO
	76	2	YES

F83RAIR ----- RECOVERY ROOM AIRWAY OBSTRUCTION

type: numeric (float)
label: F83RAIR

range: [1,2] units: 1
unique values: 2 coded missing: 12 / 1197

tabulation:	Freq.	Numeric	Label
	1177	1	NO
	8	2	YES

F83RHYP0 ----- RECOVERY ROOM HYPOTENSION

type: numeric (float)
label: F83RHYP0

range: [1,2] units: 1
unique values: 2 coded missing: 12 / 1197

tabulation:	Freq.	Numeric	Label
	1172	1	NO
	13	2	YES

F83ROXY ----- RECOVERY ROOM OXYGEN ADMIN.

type: numeric (float)
label: F83ROXY

range: [1,2] units: 1
unique values: 2 coded missing: 14 / 1197

tabulation:	Freq.	Numeric	Label
	472	1	NO
	711	2	YES

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F83PCOMP ----- POSTOPERATIVE COMPLICATIONS

type: numeric (float)
 label: F83PCOMP

range: [1,512] units: 1
 unique values: 42 coded missing: 8 / 1197

tabulation:	Freq.	Numeric	Label
	0	0	INCOMPLETE RESP(0)
	11	1	INFECTION(1)
	47	2	FEVER(2)
	14	3	
	20	4	PAINFUL CRISIS(4)
	2	5	
	2	6	
	2	7	
	8	8	BLEEDING(8)
	2	10	
	1	12	
	0	16	THROMBOSIS(16)
	1	22	
	0	32	EMBOLISM(32)
	1	33	
	1	39	
	24	64	TRANSFUSION(64)
	7	66	
	3	67	
	2	68	
	4	70	
	1	71	
	3	72	
	1	73	
	1	75	
	1	103	
	1	112	
	5	128	DEATH(128)
	2	136	
	1	200	
	43	256	OTHER(256)
	2	257	
	4	258	
	1	259	
	7	260	
	2	262	
	1	263	
	2	264	
	1	266	
	1	267	
	5	320	
	2	322	
	1	323	
	1	334	
	948	512	NONE(512)

F83PCOMP:

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

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F83POMED ----- POSTOPERATIVE MEDICATION

type: numeric (float)
 label: F83POMED
 range: [1,2] units: 1
 unique values: 2 coded missing: 26 / 1197
 tabulation: Freq. Numeric Label
 239 1 NO
 932 2 YES

F83POMD1 ----- POSTOPERATIVE MEDICATION CODES

type: numeric (float)
 range: [2,999] units: 1
 unique values: 104 coded missing: 294 / 1197

tabulation: Freq.	Value	tabulation: Freq.	Value	tabulation: Freq.	Value
2	2	1	207	2	391
1	6	1	222	1	421
5	7	1	229	1	428
1	14	2	231	1	429
1	19	2	239	1	435
1	21	1	240	1	449
2	25	6	249	4	462
55	28	1	258	1	465
1	33	11	259	1	471
3	48	1	275	30	480
1	54	1	276	54	481
1	57	1	296	11	484
1	76	7	298	6	487
6	92	7	299	1	503
1	95	17	300	1	505
1	96	2	306	1	506
1	101	1	311	3	512
4	119	1	314	1	516
3	121	3	323	1	519
1	122	1	328	3	522
1	124	116	337	2	534
1	125	1	338	7	541
6	126	6	344	1	545
2	130	1	346	1	546
2	137	1	347	1	553
1	148	1	359	3	554
1	156	2	361	1	559
2	157	7	364	7	562
5	170	1	367	1	563
313	171	5	369	2	564
2	177	9	370	1	567
1	184	12	371	3	577
6	190	14	374	1	998
3	191	3	375	41	999
20	192	1	382		

F83POMD1:

1. See Appendix D - CODED DRUG LIST.
2. Required only if F83POMED=2.

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F83POMD3 ----- POSTOPERATIVE MEDICATION CODES

	type: numeric (float)		units: 1
	range: [6,999]		
unique values: 96		coded missing: 846 / 1197	
tabulation:	Freq. Value	tabulation:	Freq. Value
	1 6		2 306
	1 7		1 314
	2 17		1 318
	1 25		1 328
	21 28		1 330
	1 33		16 337
	1 44		2 338
	1 56		1 344
	3 59		1 346
	7 92		3 361
	1 102		1 364
	1 119		4 369
	6 121		1 370
	3 122		7 371
	5 126		2 372
	1 130		12 374
	9 137		1 375
	1 141		1 380
	1 152		9 382
	4 156		1 422
	1 160		2 428
	30 171		14 480
	1 178		25 481
	2 190		5 484
	2 191		1 486
	2 192		3 487
	1 196		1 491
	1 214		1 497
	3 215		1 503
	1 217		1 505
	2 239		1 506
	1 245		3 512
	1 248		2 515
	17 249		1 516
	1 256		13 519
	1 258		3 522
	5 259		1 530
	1 267		1 534
	1 270		2 538
	1 274		1 539
	1 276		4 541
	2 279		1 549
	1 281		1 553
	1 285		5 562
	2 296		2 564
	5 298		2 567
	5 299		1 591
	8 300		14 999

F83POMD3:

1. See Appendix D - CODED DRUG LIST.
2. Required only if F83POMED=2 and > 2 medications given.

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F83ICDA ----- ICDA CODE FOR SURGICAL PROCEDURE

type: numeric (float)

range: [1.24,999.99]

units: .01

unique values: 268

coded missing: 4 / 1197

tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value
	2	1.24		1	33.27		6	53.1		29	69.02
	2	1.31		3	33.31		1	53.12		10	69.09
	1	1.39		1	34.04		1	53.39		30	69.51
	2	3.09		1	34.22		2	53.4		1	69.52
	1	3.32		1	35.22		4	53.49		1	70
	1	3.92		1	35.24		1	53.59		1	70.71
	1	4.04		1	35.71		5	54		1	71
	1	4.79		1	37		8	54.11		1	71.24
	2	4.81		2	37.21		3	54.12		2	72
	2	6.89		1	37.23		3	54.19		1	72.31
	1	8.8		1	37.7		4	54.21		1	72.8
	2	8.81		2	38		1	54.5		1	73.4
	2	13.19		3	38.03		1	54.92		11	73.59
	1	14.22		1	38.31		3	55.02		2	73.6
	3	14.32		1	38.43		5	55.24		1	74
	1	14.35		1	38.44		2	55.51		28	74.1
	4	14.49		1	38.6		3	55.53		2	74.4
	2	14.52		1	38.62		3	55.69		3	74.9
	1	14.7		8	38.93		1	56.74		47	74.99
	1	14.74		1	39.1		3	57.32		1	75
	1	15.12		4	39.27		1	57.93		2	76.75
	2	15.3		8	39.29		1	59.09		3	77.1
	1	15.4		1	39.42		1	59.8		1	77.12
	1	16.49		1	39.43		1	60.3		1	77.13
	1	19.4		1	39.57		1	62		2	77.15
	1	19.53		2	39.58		3	62.5		8	77.17
	29	20.01		1	39.59		1	63.1		2	77.19
	2	20.09		3	39.93		1	63.2		3	77.35
	2	20.42		6	40.11		25	64		1	77.37
	1	22		36	41.5		1	64.2		1	77.38
	1	22.2		1	42.23		2	64.49		1	77.4
	1	22.39		1	42.91		2	64.92		3	77.45
	6	23.09		1	44		9	64.95		3	77.47
	5	23.19		1	44.14		16	64.98		1	77.49
	1	23.4		1	44.69		1	64.99		1	77.6
	1	23.49		1	45.63		1	65.22		2	77.65
	2	27.62		15	47		1	65.3		4	77.67
	16	28.2		1	48.35		3	65.4		1	77.81
	28	28.3		2	49.46		1	66.2		1	77.85
	6	28.6		1	49.79		2	66.29		2	78
	1	28.7		1	50.11		1	66.32		1	78.04
	1	31.1		3	50.12		15	66.39		1	78.05
	1	31.2		3	51.04		1	66.51		1	78.37
	1	31.42		8	51.2		1	67.2		1	78.65
	2	32.29		230	51.22		1	68.12		1	78.82
	1	33.21		1	51.36		14	68.4		1	79.02
	3	33.22		1	51.41		1	68.5		1	79.17
	3	33.23		1	51.42		4	69		1	79.24
	4	33.24		10	53		51	69.01		1	79.26

SECTION 9.1 SURGERY AND ANESTHESIA

FORM 83

CODEBOOK FOR CSSCD FORM 83
SURGERY AND ANESTHESIA - PAGE 3
 CSSCD PHASE I FULL COHORT

tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value
	2	79.35	1	81.63	1	85.2	6	86.6			
	2	79.36	1	81.64	2	85.21	33	86.69			
	1	79.39	8	81.69	2	85.32	3	86.75			
	1	79.66	1	81.71	1	85.53	2	86.89			
	1	79.88	1	81.81	1	85.91	4	87.74			
	2	80.05	1	81.91	1	86	3	88.41			
	1	80.12	1	82.01	2	86.01	1	89.26			
	2	80.15	1	82.09	7	86.04	2	89.64			
	1	80.26	1	82.86	2	86.05	1	93.53			
	1	80.75	1	83.11	3	86.09	1	95.04			
	2	80.87	1	83.12	1	86.1	1	96.08			
	1	81	4	83.84	3	86.2	1	96.47			
	1	81.04	4	83.85	12	86.22	1	96.49			
	2	81.21	1	84.01	3	86.25	1	97.82			
	3	81.5	1	84.11	5	86.28	1	97.89			
	3	81.51	2	84.15	4	86.3	1	99.29			
	21	81.59	1	84.4	3	86.4	1	602.8			
	5	81.62	4	85.12	1	86.59	3	999.99			

F83ICDA:

1. See ICD-9-CM codebook for procedure codes.

F83PICDA ----- ICDA CODE FOR POSTOPERATIVE DIAGNOSIS

type: numeric (float)

range: [3.24,999.99] units: .01

unique values: 426 coded missing: 26 / 1197

tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value
	2	3.24	3	54	1	83.84	1	289.1			
	3	12.3	1	54.09	1	87.62	2	289.4			
	1	20	1	54.19	1	91.3	3	289.59			
	2	20.01	1	54.3	1	99.29	2	302.72			
	42	22.2	1	55	1	99.81	1	308.2			
	1	23.09	1	55.8	1	189	1	314.4			
	3	25.02	1	57.92	1	197	1	348.9			
	11	25.2	1	58.2	1	202.8	2	361			
	2	27	1	61.07	3	218.9	1	361.31			
	2	28.2	3	61.5	1	228.1	4	361.9			
	4	28.3	4	61.7	1	233.1	1	362.29			
	2	36.1	3	63.59	1	239	2	362.54			
	1	38.1	1	64	1	239.8	1	366.09			
	1	39.93	1	64.24	1	252	1	369.67			
	5	41.5	1	64.98	1	252.2	1	378.1			
	1	42	1	65	1	274.89	2	378.16			
	3	43.6	1	65.05	3	275	2	378.9			
	1	45.89	2	65.5	1	282.04	1	379.23			
	1	47	1	67.3	28	282.6	2	381.01			
	1	50.1	1	69.51	4	282.61	1	381.03			
	2	50.2	2	74.1	10	282.62	1	381.04			
	1	51.2	3	74.99	1	282.63	4	381.1			
	8	51.22	1	79.17	6	282.65	1	381.3			
	1	51.63	1	81.51	1	286.09	5	381.4			
	1	52.06	1	81.59	1	286.6	1	382.09			

CODEBOOK FOR CSSCD FORM 83
SURGERY AND ANESTHESIA - PAGE 3
 CSSCD PHASE I FULL COHORT

tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value
	14	382.9		4	553.1		1	611.11		1	653.04
	1	384.2		1	553.29		3	611.72		2	653.41
	1	385.19		1	553.9		1	611.8		3	654.2
	1	394		1	560.9		2	614.09		1	654.21
	2	416		1	560.91		2	614.1		1	656.04
	2	424		1	565.01		2	614.2		5	656.3
	1	425.9		1	569		1	614.7		5	656.31
	1	432.9		1	571.49		3	614.9		1	656.5
	1	434		1	571.5		1	615.1		1	656.51
	2	437.9		14	574		1	615.9		1	657.03
	1	447.8		2	574.02		1	616		1	658.4
	1	454		44	574.1		1	616.2		1	658.41
	1	455.08		1	574.11		1	617		2	659.1
	2	456.1		97	574.2		1	618.1		1	659.51
	1	456.2		3	574.21		1	620		1	660.1
	1	457.2		1	574.28		1	620.1		1	660.11
	1	458.9		2	574.3		5	620.2		1	664.3
	5	463		6	574.4		2	620.8		1	665.44
	1	465.6		1	574.41		1	622.1		1	665.7
	1	473.1		4	574.5		1	626.08		4	666
	3	473.9		9	575		3	626.2		1	666.04
	14	474		7	575.01		3	626.8		2	666.24
	12	474.1		23	575.1		1	626.9		1	667
	1	474.11		1	575.11		2	627.1		1	667.04
	4	474.12		1	575.9		1	627.3		2	669.07
	3	474.9		1	576.2		1	629.8		9	669.7
	1	478.1		1	576.8		1	632		1	669.8
	1	486		1	580.89		2	633.9		1	682
	1	496		1	581.9		1	634.01		5	682.6
	1	514.2		5	582.04		1	634.07		2	682.9
	1	515		12	585		1	634.1		1	686.1
	1	517.8		4	586		1	634.9		1	695.89
	4	518.3		1	590.08		1	634.91		1	701.09
	1	518.4		2	590.2		1	635.2		1	701.1
	2	518.5		1	590.8		1	635.72		1	706.2
	1	519		1	593.7		12	635.9		1	707
	1	519.1		1	595.02		8	635.92		2	707.01
	1	520.6		1	595.3		2	637		36	707.1
	5	521		1	595.81		1	637.09		1	707.8
	2	522.5		1	598.09		10	637.9		3	707.9
	1	523.9		1	599.7		10	637.91		1	709.2
	1	524		1	600		1	640		1	709.4
	1	533.9		1	603.9		1	641.1		1	709.8
	1	540		21	605		1	641.11		2	709.9
	3	540.9		3	607.03		1	642.06		4	711.01
	4	541		1	607.1		4	642.41		3	711.05
	1	543.9		19	607.3		1	642.5		1	711.98
	1	545		5	607.84		1	644.2		1	718.47
	2	550.09		1	608.2		1	644.21		1	718.65
	1	550.2		1	608.89		1	646.81		1	722.52
	9	550.9		1	610		1	648.21		2	724.1
	1	550.91		1	610.01		1	648.9		1	726.5
	3	550.92		1	610.1		2	648.91		2	727.81
	1	552.2		1	611		7	650		1	728.79
	2	553.01		1	611.1		1	650.01		1	728.89

SECTION 9.1 SURGERY AND ANESTHESIA

FORM 83

CODEBOOK FOR CSSCD FORM 83
SURGERY AND ANESTHESIA - PAGE 3

CSSCD PHASE I FULL COHORT

tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value
	3	730		1	745.5		1	789.2		1	880.03
	1	730.03		1	746.02		1	791		1	882.2
	2	730.06		1	747.6		2	802.2		1	883.1
	3	730.1		2	749		1	813.03		1	891
	1	730.15		1	751.61		1	814		1	899.7
	1	730.16		1	752.05		1	816.01		1	906.8
	1	730.2		1	752.5		1	820.22		1	921.9
	1	730.23		1	754.32		1	823.2		1	922.2
	1	730.24		1	754.69		2	823.9		2	946.3
	3	730.25		3	754.7		2	823.92		1	955.7
	6	730.26		2	755.1		1	825.35		1	956.3
	2	730.28		1	756.89		1	827.01		1	960.4
	1	732.1		1	762.7		1	835		1	996.01
	2	733		1	763.4		1	836		1	996.05
	1	733.1		1	768.04		1	838.16		1	996.08
	4	733.4		4	768.4		1	852.4		1	996.32
	1	733.41		4	779.6		1	853		2	996.5
	31	733.42		3	782.2		1	865.04		1	996.6
	2	733.43		1	783.42		1	867.4		3	996.7
	1	733.46		2	785.4		1	870.08		1	996.8
	3	733.49		4	785.6		1	871.7		2	997.2
	1	733.91		2	786.09		1	871.9		1	998.01
	4	733.99		2	786.8		1	872		1	998.1
	2	736.7		1	787.06		1	873.42		1	998.4
	1	736.71		1	789.01		1	873.63		2	998.5
	1	737.3		1	789.02		1	878		1	998.8
	1	743.3								23	999.99

F83PICDA:

1. See ICD-9-CM codebook for diagnosis codes.

F83RICDA ----- ICDA CODE FOR REPORT FROM PATHOLOGY

		type: numeric (float)				units: .01	
		range: [27,999.99]				coded missing: 1067 / 1197	
		unique values: 54					
tab:	Freq.	Value					
	1	27	1	540.2	1	620.8	3
	1	40.02	2	540.9	1	622.1	24
	1	48.39	3	574	1	646.81	
	1	51.22	1	574.01	1	653.4	
	1	57.41	21	574.1	1	686.1	
	1	57.41	6	574.2	1	706.2	
	1	69.01	1	574.21	3	707.1	
	1	174.9	2	574.4			
	1	227.1	1	574.5	tab: Freq.	Value	
	1	275	1	575	1	715.95	
	1	289.8	2	575.01	1	730	
	1	415.5			2	730.26	
	1	455.07	tab: Freq.	Value	1	730.7	
	2	474	11	575.1	3	733.42	
			1	595.3	1	751.69	
			1	603.9	1	762.7	
			1	605	1	785.06	
tab: Freq.	Value				2	785.4	
	3	474.1	1	610.02	1	836	
	1	515	2	615.1	1	865.04	
	1	540	2	616			

CODEBOOK FOR CSSCD FORM 84
TRANSFUSION FORM - PAGE 1
CSSCD FULL COHORT PATIENTS

F83RICDA:

1. See ICD-9-CM codebook for diagnosis codes.

CODEBOOK FOR CSSCD FORM 84

TRANSFUSION FORM - PAGE 1

CSSCD FULL COHORT PATIENTS

F83PRHGB ----- PREOPERATIVE HEMOGLOBIN

type: numeric (float)

range: [1.6,19] units: .1
unique values: 121 coded missing: 46 / 1197

mean: 10.3343
std. dev: 2.32188

percentiles:	10%	25%	50%	75%	90%
	7.5	8.6	10.4	12	13.5

F83PRHBA ----- PREOPERATIVE ELECTROPHORESIS HB A

type: numeric (float)

range: [0,99] units: 1
unique values: 95 coded missing: 506 / 1197

mean: 51.0376
std. dev: 28.1138

percentiles:	10%	25%	50%	75%	90%
	0	34	58	71	84

_dta:

1. Created 7/7/2000.

A. List of variables deleted **F84DATE F84INIT F84NDATE F84LASTU F84LASTE
F84ESTAT F84VDATE F84DTE1 F84DTE2 F84PSDT**

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 **F84DATE F84DTE1 F84DTE2**

H. New name **JF84DATE JF84DTE1 JF84DTE2**

I. Collection Information:

Form 84 (Transfusion Form) was to be completed each time a patient received a transfusion.

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

Form 84 was used between 03/01/79 and 05/31/86 for all patients and continued to be used for patients entered at < 6 months of age until 09/30/88.

CODEBOOK FOR CSSCD FORM 84
TRANSFUSION FORM - PAGE 1
CSSCD FULL COHORT PATIENTS

K. Form Version Dates: 03/01/79, 12/01/80

L. Files Used to Store Information:

SAS System File: **R84.SD2**

Format File: **R84.FMT**

M. Unique Record Identifiers: **ANONID, F84DATE**

Records within the dataset are sorted by **ANONID** and **F84DATE**.

N. Number of Observations (Patients) in SAS Dataset: 11716 (1466)

O. Contents of SAS Dataset:

- Alphabetical Listing of Variables: See pp. 37-38
- Listing of Variables by Position: See p. 39

P. Notes About Selected Variables:

- **F84PIP** – is the variable name for “PRE-, INTRA-, or POST-“. If **F84CD1** or **F84CD2=82** (pregnancy), 1 (pre)=prenatal, 2(intra)=intrapartum, 3(post)=postpartum. If **F84CD1** or **F84CD2=83** (surgery), 1 (pre)=preop, 2 (intra)=intraop, 3 (post)=postop.

Q. Computed Variables: None

R. Inter-Relationship With Other Datasets:

Transfusion history information was also collected on

Phase 1 Forms	<u>SAS Dataset</u>	<u>See Section</u>
Form 10	R10.SD2	2.3
Form 14	R14.SD2	2.1
Form 15	R15.SD2	2.2
Form 16E	R24.SD2	4.2
Forms 17, 19, 20, 21, 24	R1722.SD2	4.5
Form 25	R25.SD2	4.6
“Chronic Transfusion Summary”	R85.SD2	9.2.2

In addition, the majority of acute event forms include question regarding transfusion status at time of event and/or treatment with transfusion [See Section 7].

CODEBOOK FOR CSSCD FORM 84

TRANSFUSION FORM - PAGE 1

CSSCD FULL COHORT PATIENTS

CONTENTS OF SAS DATASET: R84.SD2
DATA FROM CSSCD FORM 84 - TRANSFUSION FORM
VARIABLES ARE LISTED IN ALPHABETICAL ORDER AND IN ORDER OF THEIR POSITION
IN THE SAS DATASET AND ON FORM 84

The SAS System 15:10 Tuesday, February 20, 2007 1

The CONTENTS Procedure

Data Set Name	OUT1.R84	Observations	11716
Member Type	DATA	Variables	22
Engine	V9	Indexes	0
Created	14:41 Wednesday, February 14, 2007	Observation Length	184
Last Modified	14:41 Wednesday, February 14, 2007	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

SECTION 9.1 SURGERY AND ANESTHESIA

FORM 83

CODEBOOK FOR CSSCD FORM 84

TRANSFUSION FORM - PAGE 1

CSSCD FULL COHORT PATIENTS

```

Number of Data Set Pages 134
First Data Page 1
Max Obs per Page 88
Obs in First Data Page 68
Number of Data Set Repairs 0
File Name r84.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 #
2	F84CD1	Num	8	CSSCD CODE OF RELATED EVENT
3	F84CD2	Num	8	CSSCD CODE OF RELATED EVENT
19	F84COMP	Num	8	COMPLICATIONS
16	F84EXCHG	Num	8	EXCHANGE OR PARTIAL
17	F84MLIN	Num	8	ML. IN TRANFUSION
18	F84MLOUT	Num	8	ML. OUT TRANSFUSION
4	F84PIP	Num	8	PRE- INTRA- OR POST-
5	F84PRHB	Num	8	HB BEFORE TRANSFUSION G ML
6	F84PRHBS	Num	8	HB S BEFORE TRANFUSION %
10	F84PROD1	Num	8	BLOOD PRODUCT CODE
11	F84PROD2	Num	8	BLOOD PRODUCT CODE
12	F84PROD3	Num	8	BLOOD PRODUCT CODE
7	F84PSHB	Num	8	HB AFTER TRANSFUSION G ML
8	F84PSHBS	Num	8	HB S AFTER TRANSFUSION %
9	F84SIMPL	Num	8	SIMPLE TRANSFUSION
13	F84UNIT1	Num	8	NUMBER OF UNITS
14	F84UNIT2	Num	8	NO. OF UNITS
15	F84UNIT3	Num	8	NO. OF UNITS
20	JF84DATE	Num	8	DATE OF TRANSFUSION - RECODE DAYS
SINCE DOE				
21	JF84DTE1	Num	8	DATE OF RELATED EVENT - RECODE DAYS
SINCE DOE				
22	JF84DTE2	Num	8	DATE OF RELATED EVENT - RECODE DAYS
SINCE DOE				

CODEBOOK FOR CSSCD FORM 84
TRANSFUSION FORM - PAGE 1
CSSCD FULL COHORT PATIENTS

* R84.FMT contains value labels for numerical codes assigned to categorical*
* variables in the SAS dataset R84.SD2 *
*****;

* SIR/DBMS 2.2 SAS PROC STEP FROM DATABASE: CSSCD 06/11/99 14:53:31;

PROC FORMAT;

VALUE F84PIP

1 = 'PRE'
2 = 'INTRA'
3 = 'POST';

VALUE F84SIMPL

2 = 'SIMPLE TRANSFUSION';

VALUE F84UNIT

99 = 'OVER 500 ML';

CODEBOOK FOR CSSCD FORM 84

TRANSFUSION FORM - PAGE 1

CSSCD FULL COHORT PATIENTS

```
VALUE F84EXCHG
  1 = 'EXCHANGE'
  2 = 'PARTIAL';

VALUE F84COMP
  32 = 'NONE (32)'
  1 = 'HEMOLYTIC IMMED(1)'
  2 = 'HEMOLYTIC DELAY(2)'
  4 = 'ALLERGIC (4)'
  8 = 'ANAPHYLACTIC (8)'
  16 = 'OTHER (16)';

* FORMAT F84PIP F84PIP.
      F84SIMPL F84SIMPL.
      F84UNIT F84UNIT.
      F84EXCHG F84EXCHG.
      F84COMP F84COMP.;

RUN;
QUIT;
```

F84VDATE ----- VERSION DATE
DELETED

```
      type: numeric daily date (int)
      label: datelab

      range: [6999,7640]           units: 1
or equivalently: [01mar1979,01dec1980] units: days
      unique values: 2             coded missing: 206 / 11716
```

```
      tabulation: Freq.  Numeric  Label
                  1973     6999   03/01/79
                  9537     7640   12/01/80
```

F84CD1 ----- CSSCD CODE OF RELATED EVENT

```
      type: numeric (float)
      label: F84CD1

      range: [9,92]               units: 1
      unique values: 27           coded missing: 19 / 11716
```


CODEBOOK FOR CSSCD FORM 84

TRANSFUSION FORM - PAGE 1

CSSCD FULL COHORT PATIENTS

tabulation:	Freq.	Numeric	Label
	1	9	
	697	30	PAINFUL EPISODE
	1	31	
	546	32	ACUTE CHEST SYNDROME
	122	34	RUQ EVENT
	175	36	SKELETAL & JOINT
	5	38	HAND-FOOT SYNDROME
	76	40	SEIZURES
	2	41	
	15	42	MENINGITIS
	3451	44	CVA
	701	46	ACUTE ANEMIC EVENT
	170	48	SEPSIS
	234	50	PRIAPISM
	8	53	
	31	54	
	497	60	LEG ULCERS
	1	61	
	41	62	RENAL COMPLICATION
	318	64	ASEPTIC NECROSIS
	54	66	OCULAR COMPLICAITON
	4	80	DELAYED GROWTH/DEV
	408	82	PREGNANCY
	934	83	SURGERY OR ANESTHESIA
	2563	90	CHRONIC TX PROGRAM
	641	91	OTHER
	1	92	

CODEBOOK FOR CSSCD FORM 84

TRANSFUSION FORM - PAGE 1

CSSCD FULL COHORT PATIENTS

F84CD2 ----- CSSCD CODE OF RELATED EVENT

type: numeric (float)
label: F84CD2

range: [1,99] units: 1
unique values: 32 coded missing: 6507 / 11716

tabulation:	Freq.	Numeric	Label
	1	1	
	1	2	
	1	3	
	1	5	
	1	10	
	1	20	
	1	28	
	180	30	PAINFUL EPISODE
	78	32	ACUTE CHEST SYNDROME
	34	34	RUQ EVENT
	16	36	SKELETAL & JOINT
	3	38	HAND-FOOT SYNDROME
	17	40	SEIZURES
	3	42	MENINGITIS
	652	44	CVA
	2	45	
	114	46	ACUTE ANEMIC EVENT
	41	48	SEPSIS
	1	49	
	25	50	PRIAPISM
	1	52	
	19	54	
	37	60	LEG ULCERS
	90	62	RENAL COMPLICATION
	35	64	ASEPTIC NECROSIS
	56	82	PREGNANCY
	229	83	SURGERY OR ANESTHESIA
	1	84	
	2394	90	CHRONIC TX PROGRAM
	1171	91	OTHER
	1	98	
	2	99	

F84PIP ----- PRE- INTRA- OR POST-

type: numeric (float)
label: F84PIP

range: [1,3] units: 1
unique values: 3 coded missing: 10128 / 11716

tabulation:	Freq.	Numeric	Label
	1358	1	PRE
	121	2	INTRA
	109	3	POST

F84PIP:

1. Required only if F84CD1 and / or F84CD2=82 or 83.

CODEBOOK FOR CSSCD FORM 84

TRANSFUSION FORM - PAGE 2

CSSCD FULL COHORT PATIENTS

F84PRHB ----- HB BEFORE TRANSFUSION G|ML

type: numeric (float)
 range: [.4,90.4] units: .1
 unique values: 154 coded missing: 730 / 11716
 mean: 8.99051
 std. dev: 2.61544

 percentiles: 10% 25% 50% 75% 90%
 6 7.7 9.1 10.3 11.4

F84PRHBS ----- HB S BEFORE TRANFUSION %

type: numeric (float)
 range: [0,99] units: 1
 unique values: 100 coded missing: 3129 / 11716
 mean: 37.7595
 std. dev: 27.725

 percentiles: 10% 25% 50% 75% 90%
 5 16 33 54 85

F84PSHB ----- HB AFTER TRANSFUSION G|ML

type: numeric (float)
 range: [0,62.4] units: .1
 unique values: 164 coded missing: 4117 / 11716
 mean: 11.1196
 std. dev: 2.60336

 percentiles: 10% 25% 50% 75% 90%
 8.1 9.6 11.1 12.7 14

F84PSHBS ----- HB S AFTER TRANSFUSION %

type: numeric (float)
 range: [0,99] units: 1
 unique values: 98 coded missing: 6186 / 11716
 mean: 28.8684
 std. dev: 20.019

 percentiles: 10% 25% 50% 75% 90%
 3 13 27 42 56

F84SIMPL ----- SIMPLE TRANSFUSION

type: numeric (float)
 label: F84SIMPL

 range: [1,2] units: 1
 unique values: 2 coded missing: 988 / 11716

 tabulation: Freq. Numeric Label
 390 1
 10338 2 SIMPLE TRANSFUSION

CODEBOOK FOR CSSCD FORM 84

TRANSFUSION FORM - PAGE 2

CSSCD FULL COHORT PATIENTS

F84PROD1 ----- BLOOD PRODUCT CODE

type: numeric (float)
 range: [0,999] units: 1
 unique values: 52 coded missing: 1341 / 11716

tabulation: Freq.	Value	tabulation: Freq.	Value
1	0	3	83
17	1	1	90
13	2	47	91
8	3	1	97
4	4	1	101
42	11	1	104
4801	21	1	109
3	22	33	121
1	24	1	200
1	25	2	201
2	27	1	202
2	28	3	203
112	31	1	205
10	32	1	242
3709	33	23	250
27	34	1	330
1	37	1	360
2	38	1	400
1180	41	40	401
23	52	1	411
1	53	1	500
3	61	1	582
4	62	1	633
6	71	1	803
1	72	4	998
7	81	222	999

F84PROD1:

1. See Appendix J - CODE LIST OF BLOOD PRODUCTS.
2. Required only if F84SIMPL=2.

F84PROD2 ----- BLOOD PRODUCT CODE

type: numeric (float)
 range: [1,999] units: 1
 unique values: 15 coded missing: 11592 / 11716

tabulation: Freq.	Value	tabulation: Freq.	Value
1	1	27	52
4	11	5	62
30	21	4	71
3	32	1	85
16	33	3	91
17	41	1	203
1	47	10	999
1	51		

F84PROD2:

1. See Appendix J - CODE LIST OF BLOOD PRODUCTS.
2. Required only if F84SIMPL=2 and > 1 blood product given.

CODEBOOK FOR CSSCD FORM 84

TRANSFUSION FORM - PAGE 2

CSSCD FULL COHORT PATIENTS

F84PROD3 ----- BLOOD PRODUCT CODE

```

        type: numeric (float)
        range: [11,999]
        unique values: 12
        units: 1
        coded missing: 11677 / 11716
tabulation: Freq. Value
            1 11
            11 21
            1 31
            7 33
            3 41
            7 52
        tabulation: Freq. Value
            1 61
            1 62
            2 71
            1 81
            1 91
            3 999
    
```

F84PROD3:

1. See Appendix J - CODE LIST OF BLOOD PRODUCTS.
2. Required only if F84SIMPL=2 and > 2 blood products given.

F84UNIT1 ----- NUMBER OF UNITS

```

        type: numeric (float)
        label: F84UNIT1
        range: [1,99]
        unique values: 28
        units: 1
        coded missing: 1376 / 11716
tabulation: Freq. Numeric Label
            3178      1
            5536      2
            994       3
            384       4
            76        5
            68        6
            16        7
            15        8
            5         9
            7        10
            4        11
            3        12
            1        13
            2        15
        tabulation: Freq. Numeric Label
            2      16
            2      20
            2      21
            1      22
            1      23
            1      24
            2      25
            1      33
            1      50
            1      60
            3      75
            1      90
            1      93
            32     99  OVER 500 ML
    
```

F84UNIT1:

1. Required only if F84SIMPL=2.

F84UNIT2 ----- NO. OF UNITS

```

        type: numeric (float)
        label: F84UNIT2
        range: [1,93]
        unique values: 11
        units: 1
        coded missing: 11594 / 11716
tabulation: Freq. Numeric Label
            61      1
            19      2
            12      3
            10      4
            7       5
            3       6
tabulation: Freq. Numeric Label
            2       7
        tabulation: Freq. Numeric Label
            1      8
            5     10
            1     50
            1     93
    
```

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F84UNIT2:

1. Required only if F84SIMPL=2 and > 1 blood product given.

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F84UNIT3 ----- NO. OF UNITS

```

    type: numeric (float)
    label: F84UNIT3
    range: [1,93]
    unique values: 10
    units: 1
    coded missing: 11678 / 11716
    tabulation:
      Freq.  Numeric  Label
          12         1
          10         2
           3         3
           4         4
           1         5
           3         6
           2         8
           1        10
           1        48
           1        93
  
```

F84UNIT3:

1. Required only if F84SIMPL=2 and > 2 blood products given.

F84EXCHG ----- EXCHANGE OR PARTIAL

```

    type: numeric (float)
    label: F84EXCHG
    range: [1,2]
    unique values: 2
    units: 1
    coded missing: 10060 / 11716
    tabulation:
      Freq.  Numeric  Label
          417         1  EXCHANGE
          1239         2  PARTIAL
  
```

F84MLIN ----- ML. IN TRANFUSION

```

    type: numeric (float)
    range: [2,7808]
    unique values: 431
    mean: 779.346
    std. dev: 639.96
    units: 1
    coded missing: 10065 / 11716
    percentiles:
      10%    25%    50%    75%    90%
      300   440   500   1000  1500
  
```

F84MLIN:

1. Required only if F84EXCHG>0.

F84MLOUT ----- ML. OUT TRANSFUSION

```

    type: numeric (float)
    range: [0,7510]
    unique values: 254
    mean: 729.614
    std. dev: 621.531
    units: 1
    coded missing: 10078 / 11716
    percentiles:
      10%    25%    50%    75%    90%
      250   400   500   1000  1500
  
```

F84MLOUT:

1. Required only if F84EXCHG>0.

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F84COMP ----- COMPLICATIONS

```

    type: numeric (float)
    label: F84COMP

    range: [0,32]                units: 1
    unique values: 15            coded missing: 293 / 11716
  
```

tabulation:	Freq.	Numeric	Label
	1	0	
	26	1	HEMOLYTIC IMMED(1)
	92	2	HEMOLYTIC DELAY(2)
	2	3	
	48	4	ALLERGIC (4)
	1	5	
	1	6	
	3	8	ANAPHYLACTIC (8)
	1	12	
	76	16	OTHER (16)
	2	17	
	4	18	
	2	20	
	1	31	
	11163	32	NONE (32)

_dta:

1. Created 7/7/2000.

- A. List of variables deleted **STOPDATE F85UTIL1 F85UTIL2 F85UTILD**
- 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 **STOPDATE**
- H. New name **JTOPDATE**
- I. Collection Information:

In order to facilitate retrieval of information about on-study chronic transfusion treatment so that patients who were chronically transfused during a significant proportion of time on study during Phase 1 could be identified, the number of transfusion visit records (See Section 9.2.1, SAS dataset **R84.SD2**) during each year of follow-up was calculated. Phase 1 study entry date (See Section 1, SAS dataset: **R09.SD2**, variable: **DOE**) was used as the starting date. A transfusion occurring within 3 days following another transfusion was not counted as a "unique"

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transfusion. A "Record 85" was created only for full protocol patients (See Section 1, SAS dataset: **R09.SD2**, variable: **PTYPE**).

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

Source of Data: Form 84: Transfusion (See Section 9.2.1, SAS dataset: **R84.SD2**)

K. Form Version Dates: See Section 9.2.1

L. Files Used to Store Information:

SAS System File: **R85.SD2**

Format File: **R85.FMT**

M. Unique Record Identifiers: **ANONID**

N. Number of Observations (Patients) in SAS Dataset: 3897 (3897)

O. Contents of SAS Dataset:

- Alphabetical Listing of Variables: See pp. 52-53
- Listing of Variables by Position: See p. 54

P. Notes About Selected Variables: None (See I. below)

Q. Computed Variables: All

- **STOPDATE** – is the variable name for end of follow-up for transfusion. The value of the variable = **STATUSD** in **R09.SD2** (See Section 1).
- **TXENTRY** – is the variable name for whether or not the patient was transfused at entry. Transfusion questions on entry past medical history forms and entry routine visit forms were used to determine whether or not the patient was transfused at entry (See **TXENTRYS**).
- **TXENTRYS** – is the variable name for the source of information which was used to determine if a patient was transfused at entry (see **TXENTRY**). Entry past medical history forms and routine entry visit forms were used as the sources of information for response for this variable.
- **TIMEYR1-10** – are variable names for time on study during each year of follow-up during Phase 1 up to 10 years after study entry. The unit of measurement for all time variables is days. Variables **DOE** and **STATUSD** in **R09.SD2** were used

**CODEBOOK FOR CSSCD "FORM" 85
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CSSCD FULL COHORT PATIENTS**

to compute the # of days on transfusion during each year of follow-up during Phase 1.

- **TXYR1-10** – are variable names for the # of transfusions given during each year of follow-up up to 10 years during Phase 1. The number of transfusions reported on Form 84 (SAS dataset: **R84.SD2**) within each 1 year interval from the patient's date of entry (**DOE** in **R09.SD2**) during the number of years he/she was followed during Phase 1 was calculated (excluding those within 3 days of a previous transfusion).
- **TOTTIME** – is the variable name for the total follow-up time (in days) that a patient was followed during Phase 1: **STOPDATE** – **DOE**.
- **TOTTX** – is the variable name for total # of transfusions given between **DOE** and **STOPDATE** excluding those given within 3 days of a previous transfusion.

R. Inter-Relationship With Other Datasets:

- On-study transfusions were collected on:

CSSCD Phase 1 Forms	SAS Dataset	<u>See Section</u>
Form 84	R84.SD2	9.2.1

- Study entry transfusion status and/or transfusion history data were collected on

CSSCD Phase 1 Forms	<u>SAS Dataset</u>	<u>See Section</u>
Form 10	R10.SD2	2.3
Form 14	R14.SD2	2.1
Form 15	R15.SD2	2.2
Form 16	R16.SD2	4.1
Form 16E	R24.SD2	4.2
Form 12	R1222.SD2	4.4
Forms 17, 19, 20, 21, 24	R1722.SD2	4.5
Form 25	R25.SD2	4.6

- Transfusion status preceding and/or for clinical events was collected on the majority of clinical event forms:

CSSCD Phase 1 Forms	SAS Dataset	See Section
Multiple	Multiple	7

CODEBOOK FOR CSSCD "FORM" 85
CHRONIC TRANSFUSION HISTORY
CSSCD FULL COHORT PATIENTS

CONTENTS OF SAS DATASET: R85.SD2
DATA FROM CSSCD RECORD 85 - CHRONIC TRANSFUSION SUMMARY
VARIABLES ARE LISTED IN ALPHABETICAL ORDER AND IN ORDER OF THEIR POSITION
IN THE SAS DATASET

The SAS System 16:06 Tuesday, February 20, 2007 3

The CONTENTS Procedure

Data Set Name	OUT1.R85	Observations	3897
Member Type	DATA	Variables	27
Engine	V9	Indexes	0
Created	11:48 Tuesday, February 13, 2007	Observation Length	216
Last Modified	11:48 Tuesday, February 13, 2007	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	53
First Data Page	1

CODEBOOK FOR CSSCD "FORM" 85

CHRONIC TRANSFUSION HISTORY

CSSCD FULL COHORT PATIENTS

Max Obs per Page	75
Obs in First Data Page	55
Number of Data Set Repairs	0
File Name	r85.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 #
26	CTSTAT	Num	8	CHRONIC TRANSFUSION STATUS
27	JTOPDATE	Num	8	END OF FU FOR TRANSFUSIONS - RECODE DAYS SINCE DOE
4	TIMEYR1	Num	8	YEAR 1 - TIME ON STUDY
6	TIMEYR2	Num	8	YEAR 2 - TIME ON STUDY
8	TIMEYR3	Num	8	YEAR 3 - TIME ON STUDY
10	TIMEYR4	Num	8	YEAR 4 - TIME ON STUDY
12	TIMEYR5	Num	8	YEAR 5 - TIME ON STUDY
14	TIMEYR6	Num	8	YEAR 6 - TIME ON STUDY
16	TIMEYR7	Num	8	YEAR 7 - TIME ON STUDY
18	TIMEYR8	Num	8	YEAR 8 - TIME ON STUDY
20	TIMEYR9	Num	8	YEAR 9 - TIME ON STUDY
22	TIMEYR10	Num	8	YEAR 10 - TIME ON STUDY
24	TOTTIME	Num	8	TOTAL FOLLOW-UP TIME (TO STOPDATE)
25	TOTTX	Num	8	TOTAL # OF ON-STUDY TRANSFUSIONS
2	TXENTRY	Num	8	TRANSFUSED AT ENTRY
3	TXENTRYS	Num	8	SOURCE OF ENTRY TRANSF. STATUS
5	TXYR1	Num	8	YEAR 1 - # OF TRANSFUSIONS
7	TXYR2	Num	8	YEAR 2 - # OF TRANSFUSIONS
9	TXYR3	Num	8	YEAR 3 - # OF TRANSFUSIONS
11	TXYR4	Num	8	YEAR 4 - # OF TRANSFUSIONS
13	TXYR5	Num	8	YEAR 5 - # OF TRANSFUSIONS
15	TXYR6	Num	8	YEAR 6 - # OF TRANSFUSIONS
17	TXYR7	Num	8	YEAR 7 - # OF TRANSFUSIONS
19	TXYR8	Num	8	YEAR 8 - # OF TRANSFUSIONS
21	TXYR9	Num	8	YEAR 9 - # OF TRANSFUSIONS
23	TXYR10	Num	8	YEAR 10 - # OF TRANSFUSIONS

CODEBOOK FOR CSSCD "FORM" 85
CHRONIC TRANSFUSION HISTORY
CSSCD FULL COHORT PATIENTS

* R85.FMT contains value labels for numerical codes assigned to categorical*
* variables in the SAS dataset R85.SD2 *
*****;

* SIR/DBMS 2.2 SAS PROC STEP FROM DATABASE: CSSCD 12/25/99 10:16:23;

PROC FORMAT PRINT;

* FORMAT TXENTRY IS DEFINED FOR VARIABLE TXENTRY;

VALUE TXENTRY

1 = 'NO'
2 = 'YES';

* FORMAT TXENTRYS IS DEFINED FOR VARIABLE TXENTRYS;

VALUE TXENTRY

10 = 'PMH FORM 10'
12 = 'LAB FORM 12'
14 = 'YNG INF FORM 14'
16 = 'INF INT FORM 16'

CODEBOOK FOR CSSCD "FORM" 85
CHRONIC TRANSFUSION HISTORY
CSSCD FULL COHORT PATIENTS

24

= 'INF INT FORM 16E';

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CHRONIC TRANSFUSION HISTORY
 CSSCD FULL COHORT PATIENTS

TXENTRY ----- TRANSFUSED AT ENTRY

type: numeric (float)
 label: TXENTRY
 range: [1,2] units: 1
 unique values: 2 coded missing: 286 / 3897

tabulation:	Freq.	Numeric	Label
	3305	1	NO
	306	2	YES

TXENTRY:

1. Computed variable - see documentation.

TXENTRYS ----- SOURCE OF ENTRY TRANSF. STATUS

type: numeric (float)
 label: TXENTRYS
 range: [10,24] units: 1
 unique values: 4 coded missing: 286 / 3897

tabulation:	Freq.	Numeric	Label
	1354	10	PMH FORM 10
	1607	12	LAB FORM 12
	554	14	YNG INF FORM 14
	96	24	INF INT FORM 16E

TIMEYR1 ----- YEAR 1 - TIME ON STUDY

type: numeric (float)
 range: [9,365] units: 1
 unique values: 138 coded missing: 0 / 3897

mean: 353.843
 std. dev: 48.6073

percentiles:	10%	25%	50%	75%	90%
	365	365	365	365	365

TXYR1 ----- YEAR 1 - # OF TRANSFUSIONS

type: numeric (float)
 range: [0,26] units: 1
 unique values: 23 coded missing: 0 / 3897

tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value
	3395	0		17	6		9	12		2	19
	266	1		15	7		5	13		1	21
	65	2		9	8		10	14		3	23
	29	3		14	9		4	15		1	25
	15	4		4	10		3	16		1	26
	16	5		10	11		3	18			

TXYR1:

1. Computed variable - see documentation.

CODEBOOK FOR CSSCD "FORM" 85
CHRONIC TRANSFUSION HISTORY
 CSSCD FULL COHORT PATIENTS

TIMEYR2 ----- YEAR 2 - TIME ON STUDY

type: numeric (float)

range: [0,365] units: 1
 unique values: 156 coded missing: 0 / 3897

mean: 329.918
 std. dev: 100.771

percentiles:	10%	25%	50%	75%	90%
	194	365	365	365	365

TXYR2 ----- YEAR 2 - # OF TRANSFUSIONS

type: numeric (float)

range: [0,25] units: 1
 unique values: 25 coded missing: 0 / 3897

tabulation:	Freq.	Value
	3397	0
	248	1
	69	2
	42	3
	24	4
	10	5
	8	6
	10	7
	5	8
	10	9
	12	10
	15	11
	11	12
	12	13
	3	14
	2	15
	3	16
	3	17
	4	18
	3	19
	1	21
	1	22
	1	23
	2	24
	1	25

TXYR2:

1. Computed variable - see documentation.

CODEBOOK FOR CSSCD "FORM" 85
CHRONIC TRANSFUSION HISTORY
 CSSCD FULL COHORT PATIENTS

TIMEYR3 ----- YEAR 3 - TIME ON STUDY

type: numeric (float)

range: [0,365] units: 1

unique values: 159 coded missing: 0 / 3897

mean: 309.465

std. dev: 126.247

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

0 365 365 365 365

TXYR3 ----- YEAR 3 - # OF TRANSFUSIONS

type: numeric (float)

range: [0,22] units: 1

unique values: 22 coded missing: 0 / 3897

tabulation:	Freq.	Value
	3388	0
	242	1
	94	2
	37	3
	22	4
	12	5
	11	6
	9	7
	8	8
	6	9
	8	10
	13	11
	12	12
	6	13
	9	14
	4	15
	2	16
	3	17
	4	18
	4	19
	1	21
	2	22

TXYR3:

1. Computed variable - see documentation.

CODEBOOK FOR CSSCD "FORM" 85

CHRONIC TRANSFUSION HISTORY

CSSCD FULL COHORT PATIENTS

TIMEYR4 ----- YEAR 4 - TIME ON STUDY

type: numeric (float)

range: [0,365] units: 1
unique values: 166 coded missing: 0 / 3897

mean: 288.99
std. dev: 143.465

percentiles: 10% 25% 50% 75% 90%
0 365 365 365 365

TXYR4 ----- YEAR 4 - # OF TRANSFUSIONS

type: numeric (float)

range: [0,23] units: 1
unique values: 23 coded missing: 0 / 3897

tabulation: Freq. Value

3444	0
213	1
72	2
27	3
24	4
17	5
11	6
8	7
4	8
13	9
9	10
12	11
8	12
12	13
5	14
3	15
4	16
5	17
2	18
1	19
1	21
1	22
1	23

TXYR4:

1. Computed variable - see documentation.

CODEBOOK FOR CSSCD "FORM" 85
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 CSSCD FULL COHORT PATIENTS

TIMEYR5 ----- YEAR 5 - TIME ON STUDY

type: numeric (float)

range: [0,365] units: 1
 unique values: 184 coded missing: 0 / 3897

mean: 264.088
 std. dev: 157.841

percentiles:	10%	25%	50%	75%	90%
	0	71	365	365	365

TXYR5 ----- YEAR 5 - # OF TRANSFUSIONS

type: numeric (float)

range: [0,23] units: 1
 unique values: 20 coded missing: 0 / 3897

tabulation:	Freq.	Value
	3463	0
	217	1
	73	2
	36	3
	14	4
	13	5
	14	6
	12	7
	6	8
	8	9
	12	10
	3	11
	6	12
	5	13
	6	14
	2	15
	2	16
	3	17
	1	18
	1	23

TXYR5:

1. Computed variable - see documentation.

CODEBOOK FOR CSSCD "FORM" 85
CHRONIC TRANSFUSION HISTORY
 CSSCD FULL COHORT PATIENTS

TIMEYR6 ----- YEAR 6 - TIME ON STUDY

type: numeric (float)

range: [0,365] units: 1
 unique values: 288 coded missing: 0 / 3897

mean: 217.481
 std. dev: 165.841

percentiles:	10%	25%	50%	75%	90%
	0	0	348	365	365

TXYR6 ----- YEAR 6 - # OF TRANSFUSIONS

type: numeric (float)

range: [0,17] units: 1
 unique values: 18 coded missing: 0 / 3897

tabulation:	Freq.	Value
	3554	0
	177	1
	46	2
	29	3
	12	4
	8	5
	12	6
	6	7
	12	8
	9	9
	2	10
	10	11
	5	12
	7	13
	3	14
	1	15
	1	16
	3	17

TXYR6:

1. Computed variable - see documentation.

CODEBOOK FOR CSSCD "FORM" 85

CHRONIC TRANSFUSION HISTORY

CSSCD FULL COHORT PATIENTS

TIMEYR7 ----- YEAR 7 - TIME ON STUDY

type: numeric (float)
 range: [0,365] units: 1
 unique values: 294 coded missing: 0 / 3897
 mean: 116.459
 std. dev: 147.009
 percentiles: 10% 25% 50% 75% 90%
 0 0 0 263 365

TXYR7 ----- YEAR 7 - # OF TRANSFUSIONS

type: numeric (float)
 range: [0,13] units: 1
 unique values: 14 coded missing: 0 / 3897
 tabulation: Freq. Value tabulation: Freq. Value
 3683 0 7 7
 103 1 7 8
 27 2 5 9
 26 3 5 10
 13 4 4 11
 6 5 2 12
 6 6 3 13

TXYR7:
 1. Computed variable - see documentation.

TIMEYR8 ----- YEAR 8 - TIME ON STUDY

type: numeric (float)
 range: [0,365] units: 1
 unique values: 108 coded missing: 0 / 3897
 mean: 15.4039
 std. dev: 59.6873
 percentiles: 10% 25% 50% 75% 90%
 0 0 0 0 37

TXYR8 ----- YEAR 8 - # OF TRANSFUSIONS

type: numeric (float)
 range: [0,12] units: 1
 unique values: 7 coded missing: 0 / 3897
 tabulation: Freq. Value
 3861 0
 21 1
 8 2
 1 3
 2 4
 3 10
 1 12

TXYR8:
 1. Computed variable - see documentation.

CODEBOOK FOR CSSCD "FORM" 85

CHRONIC TRANSFUSION HISTORY

CSSCD FULL COHORT PATIENTS

TIMEYR9 ----- YEAR 9 - TIME ON STUDY

type: numeric (float)
 range: [0,365] units: 1
 unique values: 39 coded missing: 0 / 3897
 mean: 6.04799
 std. dev: 43.1932

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

TXYR9 ----- YEAR 9 - # OF TRANSFUSIONS

type: numeric (float)
 range: [0,14] units: 1
 unique values: 6 coded missing: 0 / 3897
 tabulation: Freq. Value
 3891 0
 2 1
 1 2
 1 8
 1 12
 1 14

TXYR9:

1. Computed variable - see documentation.

TIMEYR10 ----- YEAR 10 - TIME ON STUDY

type: numeric (float)
 range: [0,264] units: 1
 unique values: 34 coded missing: 0 / 3897
 mean: 1.13369
 std. dev: 14.4253
 percentiles: 10% 25% 50% 75% 90%
 0 0 0 0 0

TXYR10 ----- YEAR 10 - # OF TRANSFUSIONS

type: numeric (float)
 range: [0,2] units: 1
 unique values: 2 coded missing: 0 / 3897
 tabulation: Freq. Value
 3896 0
 1 2

TXYR10:

1. Computed variable - see documentation.

TOTTIME ----- TOTAL FOLLOW-UP TIME (TO STOPDATE)

type: numeric (float)
 range: [9,3551] units: 1
 unique values: 1553 coded missing: 0 / 3897
 mean: 1903.8
 std. dev: 758.327
 percentiles: 10% 25% 50% 75% 90%
 559 1532 2174 2454 2594

CODEBOOK FOR CSSCD "FORM" 85

CHRONIC TRANSFUSION HISTORY

CSSCD FULL COHORT PATIENTS

TOTTX ----- TOTAL # OF ON-STUDY TRANSFUSIONS

```

                type: numeric (float)
                range: [0,119]
                units: 1
                unique values: 80
                coded missing: 0 / 3897
tab: Freq. Value
    2490 0
    512 1
    255 2
    133 3
    96 4
    62 5
    48 6
    21 7
    25 8
    21 9
    22 10
    11 11
    8 12
    14 13
    7 14
    9 15
    8 16
    3 17
    8 18
    6 19
    5 20
    7 21
    4 22
    4 23
    2 24
    2 25
    3 26
tab: Freq. Value
    4 27
    3 28
    3 29
    5 30
    4 31
    1 32
    4 33
    4 34
    6 35
    2 36
    1 37
    3 39
    3 40
    2 41
    1 42
    3 43
    3 44
    2 45
    3 46
    3 49
    1 52
    4 53
    1 54
    1 55
    4 56
    1 58
    1 60
tab: Freq. Value
    4 61
    1 62
    1 63
    2 65
    1 66
    2 67
    2 68
    2 69
    1 70
    1 71
    1 72
    2 75
    2 76
    2 77
    2 78
    1 81
    2 82
    1 88
    1 92
    1 94
    1 103
    1 106
    1 107
    1 115
    1 118
    1 119

```

9.3: Notice of Non-SCD Initiated Hospitalization Form - Form 90

TOTTX:

1. Computed variable - see documentation.

_dta:

1. Created 8/9/2000.

A. List of variables deleted **F90DATE F90INIT F90NDATE F90LASTU F90LASTE
F90ESTAT F90FCB F90HOSP**

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 **F90DATE**

H. New name **JF90DATE**

I. Collection Information:

Form 90 (Notice of Non-SCD Initiated Hospitalization Form) was to be completed for any hospitalization not covered by acute, chronic or other interactive event forms.

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

 Form 90 was used between 03/01/79 and 05/31/86 for all patients and continued to be used for patients entered at < 6 months of age until 03/30/88.

K. Form Version Dates: 03/01/79

L. Files Used to Store Information:

 SAS System File: **R90.SD2**

 Format File: **R90.FMT**

M. Unique Record Identifiers: **ANONID, F90DATE**

 Records within the dataset are sorted by **ANONID** and **F90DATE**.

N. Number of Observations (Patients) in SAS Dataset: 2270 (1026)

 The number of observations in the codebook tables is 2276. This number includes records for 6 control patients which were removed from the final SAS dataset.

O. Contents of SAS Dataset:

- Alphabetical Listing of Variables: See p. 66

9.3: Notice of Non-SCD Initiated Hospitalization Form - Form 90

- Listing of Variables by Position: See p. 67

P. Notes About Selected Variables: None

Q. Computed Variables: None

R. Inter-Relationship With Other Datasets: None

CODEBOOK FOR CSSCD FORM 90
NON-SCD INITIATED HOSPITALIZATION

CSSCD FULL COHORT PATIENTS

CONTENTS OF SAS DATASET: R90.SD2

DATA FROM CSSCD FORM 90 - NOTICE OF NON-SCD INITIATED HOSPITALIZATION VARIABLES
 ARE LISTED IN ALPHABETICAL ORDER AND IN ORDER OF THEIR POSITION
 IN THE SAS DATASET AND ON FORM 90

The SAS System 14:00 Wednesday, February 21, 2007 1

The CONTENTS Procedure

Data Set Name	OUT1.R90	Observations	2270
Member Type	DATA	Variables	15
Engine	V9	Indexes	0
Created	14:54 Wednesday, February 14, 2007	Observation Length	96
Last Modified	14:54 Wednesday, February 14, 2007	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	WINDOWS		
Encoding	wlatin1 Western (Windows)		

Engine/Host Dependent Information

Data Set Page Size	8192
Number of Data Set Pages	28
First Data Page	1
Max Obs per Page	84
Obs in First Data Page	55
Number of Data Set Repairs	0
File Name	r90.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 #
2	F90EVENT	Num	8	SPECIAL EVENT FORM COMPLETED
3	F90EVNT1	Num	8	CODE FOR ASSOCIATED EVENT 1
4	F90EVNT2	Num	8	CODE FOR ASSOCIATED EVENT 2
5	F90EVNT3	Num	8	CODE FOR ASSOCIATED EVENT 3
6	F90EVNT4	Num	8	CODE FOR ASSOCIATED EVENT 4
8	F90ICDA1	Num	8	ICDA NUMBER CODE 1
10	F90ICDA2	Num	8	ICDA NUMBER CODE 2
12	F90ICDA3	Num	8	ICDA NUMBER CODE 3
14	F90ICDA4	Num	8	ICDA NUMBER CODE 4
7	F90ICDL1	Char	1	ICDA LETTER CODE 1
9	F90ICDL2	Char	1	ICDA LETTER CODE 2
11	F90ICDL3	Char	1	ICDA LETTER CODE 3
13	F90ICDL4	Char	1	ICDA LETTER CODE 4
15	JF90DATE	Num	8	DATE OF PATIENT HOSPITALIZATION - RECODE DAYS SINCE DOE

SECTION 9.3 NON-SCD INITIATED HOSPITALIZATION

FORM 90

CODEBOOK FOR CSSCD FORM 90
NON-SCD INITIATED HOSPITALIZATION
CSSCD FULL COHORT PATIENTS

```
*****  
* R90.FMT contains value labels for numerical codes assigned to categorical*  
* variables in the SAS dataset R90.SD2 *  
*****;
```

```
PROC FORMAT PRINT;
```

```
*FORMAT NO_YES IS CREATED FOR VARIABLE F90EVENT;
```

```
VALUE NO_YES
```

```
1 = 'NO'
```

```
2 = 'YES';
```

CODEBOOK FOR CSSCD FORM 90
NON-SCD INITIATED HOSPITALIZATION
 CSSCD FULL COHORT PATIENTS

F90EVENT ----- SPECIAL EVENT FORM COMPLETED

type: numeric (float)
 label: F90EVENT
 range: [1,2] units: 1
 unique values: 2 coded missing: 20 / 2276
 tabulation: Freq. Numeric Label
 1487 1 NO
 769 2 YES

F90EVNT1 ----- CODE FOR ASSOCIATED EVENT 1

type: numeric (float)
 range: [30,91] units: 1
 unique values: 28 coded missing: 1511 / 2276
 tabulation: Freq. Value tabulation: Freq. Value
 18 30 118 54
 1 31 1 57
 25 32 18 60
 1 33 14 62
 3 34 2 64
 4 38 3 70
 2 39 2 71
 2 40 1 80
 2 44 10 82
 11 46 184 83
 32 48 285 84
 1 50 1 88
 6 52 10 90
 4 53 4 91

F90EVNT1:

1. Required only if F90EVENT=2.
2. See APPENDIX L for form codes.

F90EVNT2 ----- CODE FOR ASSOCIATED EVENT 2

type: numeric (float)
 range: [30,91] units: 1
 unique values: 26 coded missing: 2022 / 2276
 tabulation: Freq. Value tabulation: Freq. Value
 1 30 2 52
 6 31 2 53
 6 32 9 54
 8 33 5 60
 1 34 10 62
 2 36 1 64
 1 38 1 65
 1 39 5 82
 2 40 47 83
 5 46 120 84
 3 47 1 86
 4 48 3 90
 5 49 3 91

F90EVNT2:

1. Required only if F90EVENT=2.
2. See APPENDIX L for form codes.

CODEBOOK FOR CSSCD FORM 90
NON-SCD INITIATED HOSPITALIZATION
 CSSCD FULL COHORT PATIENTS

F90EVNT3 ----- CODE FOR ASSOCIATED EVENT 3

```

      type: numeric (float)
      range: [31,91]
unique values: 16
      tabulation: Freq. Value
                  1 31
                  4 32
                  2 33
                  1 34
                  2 46
                  1 47
                  6 48
                  9 52
      units: 1
coded missing: 2217 / 2276
      tabulation: Freq. Value
                  5 54
                  1 60
                  1 62
                  1 82
                  10 83
                  13 84
                  1 90
                  1 91
  
```

F90EVNT3:

1. Required only if F90EVENT=2.
2. See APPENDIX L for form codes.

F90EVNT4 ----- CODE FOR ASSOCIATED EVENT 4

```

      type: numeric (float)
      range: [32,90]
unique values: 9
      tabulation: Freq. Value
                  1 32
                  1 33
                  3 46
                  2 48
                  1 49
                  4 52
                  2 83
                  2 84
                  4 90
      units: 1
coded missing: 2256 / 2276
  
```

F90EVNT4:

1. Required only if F90EVENT=2.
2. See APPENDIX L for form codes.

F90HOSP ----- HOSPITAL CODE **DELETED**

```

      type: numeric (float)
      range: [1,99]
unique values: 32
      units: 1
coded missing: 6 / 2276
      tabulation: Freq. Value
                  39 1
                  35 2
                  34 3
                  178 21
                  35 22
                  108 23
                  1 28
                  1 39
                  1 50
                  39 51
                  123 52
                  174 53
                  105 54
                  107 55
                  60 56
                  68 57
                  8 58
                  10 60
                  24 61
                  96 62
                  173 63
                  70 64
                  74 65
                  74 66
                  10 67
                  23 68
                  293 69
                  1 70
                  186 71
                  39 72
                  5 73
                  76 99
  
```

CODEBOOK FOR CSSCD FORM 90
NON-SCD INITIATED HOSPITALIZATION
 CSSCD FULL COHORT PATIENTS

F90ICDL1 ----- ICDA LETTER CODE 1

type: string (str1)

unique values: 8

coded missing: 2235 / 2276

tabulation:	Freq.	Value
	3	"E"
	1	"H"
	1	"M"
	1	"N"
	5	"P"
	6	"R"
	2	"U"
	22	"V"

F90ICDA1 ----- ICDA NUMBER CODE 1

type: numeric (float)

range: [3,999.99]

units: .01

unique values: 639

coded missing: 1 / 2276

tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value
	3	3		1	53.59		2	81.9
	1	3.24		1	53.8		1	87
	2	4.9		1	54.02		1	87.8
	9	8		2	54.2		4	98
	11	8.8		1	54.73		1	98.15
	1	11.9		3	54.9		1	99.4
	1	12.5		1	55.4		1	110.9
	1	15.1		1	56		1	112
	1	15.9		1	57.1		4	112.1
	1	17.06		1	57.8		3	112.89
	1	18.9		1	57.81		1	117.9
	1	20.01		4	58.2		5	131.01
	1	20.2		2	61.5		2	135
	11	22.2		4	64		2	136.3
	4	23.09		1	65		5	201.9
	3	25.2		1	69.09		1	208
	2	28.2		2	70.9		1	214.1
	1	28.3		1	71		1	218.9
	1	33.9		3	71.8		1	220
	18	34		2	71.9		1	225
	1	34.01		1	72.6		1	228
	1	34.1		1	72.9		1	228.1
	1	38.43		6	75		2	239.5
	1	41		1	77.9		1	242
	2	41.5		2	78.1		5	250
	1	43.15		1	78.6		1	250.11
	1	45.6		2	78.89		1	259.9
	1	47.4		1	79.06		2	274
	1	50.02		2	79.8		30	275
	2	51.22		67	79.9		1	276.2
	1	52.09		1	80.1		5	276.5
	1	52.8		1	80.88		1	276.9
	4	52.9		1	81.69		1	279.2

CODEBOOK FOR CSSCD FORM 90
NON-SCD INITIATED HOSPITALIZATION
 CSSCD FULL COHORT PATIENTS

tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value
	4	282		2	369.9		1	451.11
	110	282.6		1	372.14		2	451.2
	11	282.61		2	372.3		3	451.9
	46	282.62		1	376.01		1	453.8
	13	282.65		3	378.02		1	455.6
	2	282.9		3	378.1		2	456.1
	2	283.1		1	378.16		2	460
	1	284.08		2	378.9		1	461.9
	1	285		1	379.8		39	462
	8	285.9		1	379.91		38	463
	1	286.9		1	380.1		1	464
	2	287.3		5	381.01		4	464.4
	1	288		2	381.1		24	465
	1	288.3		4	381.4		1	465.09
	1	288.8		3	382		30	465.9
	2	289.3		1	382.09		3	466
	1	289.51		2	382.4		4	466.1
	1	289.59		97	382.9		1	472
	1	292.9		1	384.2		1	473.1
	1	295.3		1	385.21		1	473.8
	1	296.2		1	386.3		6	473.9
	1	297.9		12	401.9		4	474
	1	298		2	403.9		1	474.01
	1	298.2		2	410.9		5	474.1
	4	298.9		1	414		1	474.9
	3	300		1	416		3	475
	1	300.11		1	420.91		1	476.9
	4	300.4		2	423.9		1	477.9
	2	300.9		1	424.9		1	478.1
	1	301.6		1	426.11		1	478.8
	2	304		4	427		2	481
	3	305.9		1	427.1		1	482
	5	307.81		1	427.31		2	485
	1	308		2	427.5		7	486
	2	309		1	427.69		3	487.1
	2	309.9		5	427.89		8	490
	4	311		2	427.9		1	490.9
	1	312.8		53	428		1	493
	1	312.9		1	428.9		1	493.09
	1	334.3		1	429.2		1	493.1
	1	340		1	429.4		1	493.4
	1	342.9		1	429.5		57	493.9
	1	344.1		1	430		18	493.91
	1	345.9		3	431		1	493.98
	4	346.9		1	433.1		2	511
	1	348.9		1	434		2	511.9
	2	349.9		2	434.9		2	512.8
	1	353		3	435.9		4	514
	1	354.3		9	436		1	518
	2	355.8		1	437.3		1	518.5
	2	356.9		1	437.9		1	519.1
	1	359.9		1	444.21		1	519.8
	1	362.1		3	444.89		2	520.6
	1	364.3		2	447.1		4	521
	1	365.9		4	451		3	522.5

SECTION 9.3 NON-SCD INITIATED HOSPITALIZATION

FORM 90

CODEBOOK FOR CSSCD FORM 90
NON-SCD INITIATED HOSPITALIZATION
 CSSCD FULL COHORT PATIENTS

tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value
	1	523.1		1	592		1	642.52
	1	525.9		1	593.81		1	643.9
	2	526.4		1	595.2		2	644.1
	2	527.2		25	599		6	644.13
	1	528		3	599.7		2	644.2
	1	528.5		1	601.9		1	644.21
	3	530.1		2	603.9		1	645.01
	1	530.7		1	604.9		1	646.83
	2	531.9		4	605		1	648.2
	1	532.6		1	607.1		1	648.91
	2	532.9		1	607.3		2	648.93
	2	533.9		1	607.84		18	650
	2	535.4		2	608.89		1	653.7
	6	535.5		2	610.1		2	656.31
	2	536.9		1	611.1		1	658.01
	2	541		1	611.72		1	659.51
	5	550.9		1	614		1	666.14
	1	550.92		1	614.1		1	669.7
	1	552.9		6	614.2		1	669.71
	1	553.1		1	614.3		1	670
	1	553.8		2	614.4		1	670.04
	3	556		39	614.9		1	671.2
	45	558.9		1	615		1	673.2
	2	560.39		2	615.9		1	676.6
	1	560.81		3	616		1	680.6
	2	560.9		6	616.1		1	681
	1	562.1		1	616.2		6	682
	12	564		2	620.1		4	682.3
	1	565		4	620.2		1	682.4
	2	566		1	620.8		10	682.6
	1	567.2		1	622.1		1	682.62
	1	567.9		2	623.8		3	682.7
	1	569		3	625.3		1	682.8
	1	569.49		1	626.01		3	682.9
	1	569.9		1	626.2		1	683
	1	571.49		7	626.8		8	684
	1	572.2		1	626.9		6	686.9
	1	573		2	627.1		1	690
	2	573.3		1	628.6		2	691
	3	574		3	633.9		1	691.08
	6	574.1		3	634.9		4	692.9
	15	574.2		2	634.91		1	695.1
	5	575		8	635.9		1	695.4
	3	575.1		2	635.91		3	695.89
	1	576.2		1	635.92		21	707.1
	2	577		7	637.9		1	707.8
	1	578		8	637.91		1	707.9
	13	578.9		1	640		1	708
	7	585		1	640.02		2	708.9
	149	586		1	640.03		10	710
	1	588.8		3	641.1		1	711
	1	588.9		1	641.11		1	714.9
	2	590.1		1	642.2		2	716.96
	12	590.8		3	642.4		1	716.97
	1	590.9		1	642.51		1	718.48

CODEBOOK FOR CSSCD FORM 90
NON-SCD INITIATED HOSPITALIZATION
 CSSCD FULL COHORT PATIENTS

tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value
	1	719.02		8	780.2		2	821.01
	2	719.07		5	780.3		1	821.1
	1	719.25		7	780.4		1	822
	1	719.46		36	780.6		1	823.01
	2	723.5		3	780.7		1	823.2
	1	724.01		2	782		1	823.8
	1	724.1		2	782.1		1	823.82
	4	724.2		1	782.2		1	823.92
	1	724.8		1	782.3		1	825
	1	726.9		3	782.4		2	825.2
	1	727.03		6	783.4		1	825.25
	1	727.3		16	784		2	827
	1	728.85		3	784.2		1	829
	1	728.91		3	784.7		1	831
	3	729.1		3	785.1		1	836
	1	729.5		5	785.6		1	839.61
	6	729.81		2	786.09		2	842.1
	1	730		2	786.2		2	845
	2	730.1		5	786.5		1	845.1
	1	730.22		1	786.52		1	846
	1	730.24		1	786.8		1	846.9
	1	730.26		3	787		1	847
	1	733.09		1	787.3		1	847.2
	1	733.2		1	787.6		3	848.9
	2	733.4		2	788.1		1	850.9
	5	733.42		1	788.3		1	851.9
	1	733.49		12	789		1	853
	2	733.82		2	789.1		4	854
	2	733.9		1	789.2		1	854.06
	2	733.99		1	789.3		1	870.8
	1	735.4		1	790.6		1	871.4
	1	742.8		1	790.7		1	873.4
	1	743.3		1	791		1	873.44
	1	746.02		1	793.9		1	874
	1	746.3		1	795		1	882
	1	746.5		1	798		2	883
	1	747.21		1	799.02		1	884
	1	752.49		1	799.2		1	890
	1	754.32		3	802.2		2	891
	3	754.51		3	803		1	892
	5	754.7		1	805.2		3	910
	1	755.11		1	805.6		1	913.8
	1	755.5		2	807		1	914.9
	1	755.6		1	807.2		3	920
	2	755.66		1	810		1	921.3
	1	756.1		1	812.2		1	921.9
	1	756.9		1	812.41		1	922
	1	762.71		1	813.01		2	922.2
	1	764.9		2	813.83		1	923.1
	1	774.6		1	815.1		1	923.3
	5	779.6		1	816		1	924
	1	779.9		1	816.01		1	924.1
	1	780		1	818		1	924.5
	1	780.02		1	820.8		2	924.9
	2	780.03		2	821		1	930

CODEBOOK FOR CSSCD FORM 90
NON-SCD INITIATED HOSPITALIZATION
 CSSCD FULL COHORT PATIENTS

tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value
	1	931		10	959.9		5	995.2
	1	941		1	960.1		2	995.3
	2	941.1		1	966.3		1	996.5
	1	941.21		1	967		1	996.6
	1	942.34		1	969.1		1	996.66
	1	943.21		1	969.4		1	996.7
	1	945.2		1	971.1		3	996.8
	2	945.22		7	977.9		1	997.5
	1	949		1	984.09		3	998.1
	3	958.3		3	984.8		2	998.4
	2	959		20	984.9		2	998.5
	1	959.1		1	989.3		1	999.2
	1	959.2		1	989.8		1	999.5
	1	959.3		1	994.8		8	999.8
	3	959.7		2	995		12	999.99

F90ICDA1:

1. See ICD-9-CM codebook for diagnosis codes.

F90ICDL2 ----- ICDA LETTER CODE 2

type: string (str1)

unique values: 4

coded missing: 2237 / 2276

tabulation: Freq. Value

16 "E"
 5 "M"
 1 "P"
 17 "V"

F90ICDA2 ----- ICDA NUMBER CODE 2

type: numeric (float)

range: [8.8,999.8]

units: .01

unique values: 279

coded missing: 1745 / 2276

tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value
	1	8.8		1	44.69		1	72.9
	3	20.01		2	47		1	73.6
	1	20.07		1	48.35		1	77.35
	7	22.2		1	50.12		1	78
	1	23.19		1	51.22		1	78.65
	1	25.2		2	52.9		8	79.9
	6	27		1	53		1	81.59
	4	27.9		1	56.8		1	83.88
	2	28.2		1	57.9		1	85.3
	1	33.23		1	64		1	86.05
	1	35.22		2	64.1		1	91.2
	1	38.9		1	64.49		1	98
	1	39.29		2	66.39		1	99.23
	1	39.95		5	69.01		9	116
	1	41		2	69.02		4	131.01
	2	41.5		3	69.51		1	135
	1	41.8		1	70.1		1	250

CODEBOOK FOR CSSCD FORM 90
NON-SCD INITIATED HOSPITALIZATION
 CSSCD FULL COHORT PATIENTS

tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value
	2	250.4		2	453.8		1	595.9
	1	263.9		1	454		7	599
	1	274.9		1	456.1		1	603.9
	6	275		1	459.89		2	605
	5	276.5		5	462		1	608.2
	1	278		5	463		1	614.1
	1	279.4		1	464.4		1	614.2
	1	282		4	465		1	614.6
49	282.6		2	465.8		1	614.9	
2	282.61		2	465.9		1	615	
12	282.62		1	466		2	615.9	
1	282.65		1	466.1		3	616.1	
1	282.9		1	473		1	620.1	
3	283		1	473.91		1	620.2	
4	285.9		1	474.1		1	621.8	
1	286.62		1	474.9		1	622.7	
1	295.9		1	475		1	623.8	
1	300		1	480.03		1	626.2	
1	300.2		1	480.1		1	635	
1	300.9		1	481		1	635.9	
2	301.6		1	485		1	637.91	
1	302.6		1	486		1	642.9	
2	303.9		4	490		1	644.13	
5	311		4	493.9		3	644.2	
1	345		1	512.8		1	645.21	
1	348.2		1	518.5		1	646.81	
1	358		1	518.8		2	648.91	
1	362.9		1	519.1		1	650	
2	372.3		1	521		1	656.31	
1	377.82		3	522.5		1	682	
2	381.01		1	523.9		1	682.3	
1	381.4		1	528		1	682.6	
1	382		4	535.5		1	682.9	
11	382.9		1	536.8		1	684	
1	386.3		1	550.9		1	686.8	
1	388.3		8	558.9		1	691.8	
1	394.9		1	560.9		1	692.9	
8	401.9		1	567.2		1	696.1	
1	402		1	569.3		18	707.1	
2	415.1		1	569.49		1	710	
2	416		1	572.3		1	716.8	
1	424		1	572.8		1	718.45	
1	425.4		1	573		1	719.16	
1	427.31		2	573.3		1	722.2	
1	427.9		2	574.2		1	729.1	
7	428		1	574.21		2	729.81	
1	428.9		1	575.1		1	730.2	
1	429.3		1	582.04		1	730.8	
1	429.9		1	583.81		1	733.9	
1	432.1		1	584.9		2	733.99	
1	433.1		2	585		1	746.5	
1	435.9		1	586		1	750	
2	436		1	590.8		1	780.03	
1	438		1	593.9		1	780.3	
1	453.1		1	595.2		15	780.6	

SECTION 9.3 NON-SCD INITIATED HOSPITALIZATION

FORM 90

CODEBOOK FOR CSSCD FORM 90
NON-SCD INITIATED HOSPITALIZATION
 CSSCD FULL COHORT PATIENTS

tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value
	1	780.9		1	802		1	917.31
	1	782.1		1	804		1	919.5
	1	782.2		1	812.2		1	921.1
	1	782.3		1	813.83		1	922.9
	1	783.4		1	813.9		1	923.8
	2	784		1	814		1	943.1
	1	784.2		1	855		1	944.31
	1	784.3		1	855.4		1	945.23
	1	785		4	866		1	950.5
	1	785.6		1	871.11		1	965.09
	1	785.9		1	871.9		1	967.9
	4	786.09		2	882		1	968.9
	3	786.5		1	883.2		1	969.1
	1	787		1	884.2		1	980.1
	2	789		1	888		1	980.3
	1	789.1		1	889.01		1	980.4
	3	789.2		1	906		1	985.4
	1	789.3		1	908.3		1	995.2
	1	790.6		1	909.3		2	995.3
	1	790.8		1	912.1		1	998.5
	1	795.5		1	916		2	999.8

F90ICDA2:

1. See ICD-9-CM codebook for diagnosis codes.

F90ICDL3 ----- ICDA LETTER CODE 3

type: string (str1)

unique values: 4

coded missing: 2269 / 2276

tabulation: Freq. Value

1 "D"
 4 "E"
 1 "N"
 1 "V"

F90ICDA3 ----- ICDA NUMBER CODE 3

type: numeric (float)

range: [22.2,999.8]

units: .01

unique values: 80

coded missing: 2178 / 2276

tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value
	1	74.99		1	288.8		1	288.8
	1	22.2		1	75		1	300.4
	1	31.41		1	81.96		1	304
	1	38.4		1	86.05		2	311
	1	38.43		1	147.1		1	343.9
	1	38.9		2	201.9		2	382.9
	1	39.61		1	250.4		1	386.3
	1	47		1	275		1	401.9
	1	51.22		1	276.7		1	423.9
	1	66.39		7	282.6		1	424.9
	1	69.02		1	282.62			
	1	70.3						
tab:	Freq.	Value	tab:	Freq.	Value			
				1	285.9			

CODEBOOK FOR CSSCD FORM 90
NON-SCD INITIATED HOSPITALIZATION
 CSSCD FULL COHORT PATIENTS

tab:	Freq.	Value
	1	425.8
	1	428
	1	429.3
	1	436
	1	462
	1	465.9
	2	486
	1	549
	1	553.9
	1	571.5
	1	573
	1	575.1
	1	576.8
	1	577.8
	1	578.9
	2	581.81

tab:	Freq.	Value
	2	585
	2	586
	1	590.8
	1	593.9
	5	599
	1	614.2
	2	614.9
	1	653.41
	1	659.11
	1	692.9
	1	707.1
	1	724.2
	1	729.81
	1	746.3
	1	747.81
	1	780

tab:	Freq.	Value
	1	780.3
	1	780.6
	1	783.4
	1	784
	1	785
	1	786.52
	1	799
	1	799.1
	1	808
	1	819
	1	852.9
	1	950
	1	958.8
	1	980.3
	1	999.8

CODEBOOK FOR CSSCD FORM 82

PREGNANCY FORM

CSSCD FULL COHORT PATIENTS

F90ICDA3:

1. See ICD-9-CM codebook for diagnosis codes.

F90ICDL4 ----- ICDA LETTER CODE 4

type: string (str1)

unique values: 1 coded missing: 2275 / 2276

tabulation: Freq. Value
 1 "N"

F90ICDA4 ----- ICDA NUMBER CODE 4

type: numeric (float)

range: [.,.] units: .
unique values: 0 coded missing: 2276 / 2276

tabulation: Freq. Value

F90ICDA4:

1. See ICD-9-CM codebook for diagnosis codes.

_dta:

1. Run on 08/25/99, modified 07/31/2000.

A. List of variables deleted **F82LMSP F82INIT F82NDATE F82LASTU F82LASTE
F82ESTAT F82VDATE F82DATE F82DFC F82FCB F82EDATE F82CIGAR
F82NOCIG F82PIPE F82NOPIP F82FEB**

B. List of variables modified **F82TERMN**

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 **F82LMSP F82DATE F82EDATE**

H. New name **JF82LMSP JF82DATE JF82EDATE**

I. Collection Information:

Form 82 (Pregnancy Form) was completed when a study patient had a confirmed diagnosis of a developing fetus. The same form was completed at each of five scheduled pregnancy visits:

1. initiated diagnosis
2. first trimester
3. second trimester

CODEBOOK FOR CSSCD FORM 82

PREGNANCY FORM

CSSCD FULL COHORT PATIENTS

4. pre-partum
5. post-partum

If a woman was pregnant when she entered the study, the Pregnancy Form (Form 82) was completed in place of the Intake Physical Exam (Form 11) and Intake Laboratory (Form 12) forms.

After the baby was born (or pregnancy terminated), the Intake Physical Exam Form, Intake Laboratory Form, and history portion of the appropriate routine follow-up form was completed for the mother to establish baseline data for her. The routine follow-up schedule was then based on the date of the baseline physical exam rather than date of entry into the study.

If a woman became pregnant after entering the study, the “initial visit” Pregnancy Form was completed at the time of diagnosis if diagnosed at six weeks or earlier. First and second trimester forms were to be completed at the end of the trimester ± 2 weeks. The third trimester form was to be completed within one week prior to the expected delivery date, and the post-partum form was to be completed within four weeks after delivery.

J. Data Collection Period: 03/79 – 05/86

K. Form Version Dates: 09/25/80

L. Files Used to Store Information:

SAS System File: **R82.SD2**

Format File: **R82.FMT**

M. Unique Record Identifiers: **ANONID**, **F82CYCLE**

Records within the SAS dataset are sorted by **ANONID** and **F82CYCLE** (on-study pregnancy number, type of pregnancy visit).

N. Number of Observations (Patients) in SAS Dataset: 1038 (283)

O. Contents of SAS Dataset:

- Alphabetical Listing of Variables: See pp. 81-83
- Listing of Variables by Position: See pp. 84-86

P. Notes About Selected Variables:

CODEBOOK FOR CSSCD FORM 82

PREGNANCY FORM

CSSCD FULL COHORT PATIENTS

- **F82LIQR, F82PENUM, F82PEDAY, F82URCPN** – coding for these variables is unreliable.

Q. Computed Variables: None

R. Inter-Relationship with Other Datasets:

1. Pregnancy history information was also collected on

Phase 1 Forms	SAS Dataset	See Section
Form 10	R29.SD2	2.4
Forms 17, 19, 20, 21, 24	R1722.SD2	4.5
Form 25	R25.SD2	4.6
--	F72.SD2	9.4.2
Form 83	R83.SD2	9.1

2. The Young Infant Form (Form 14) was to be completed for all newborns of study participants, whether or not he/she was entered in the study had sickle cell disease (See Section 2.1).

3. The Household Enumeration Form (Form 1) was to be updated to include the new family member (See Sections 3.1 and 3.4).

CONTENTS OF SAS DATASET: R82.SD2
DATA FROM CSSCD FORM 82 - PREGNANCY FORM
VARIABLES ARE LISTED IN ALPHABETICAL ORDER AND IN ORDER OF THEIR POSITION
IN THE SAS DATASET AND ON FORM 82

The SAS System

14:00 Wednesday, February 21, 2007 2

The CONTENTS Procedure

Data Set Name	OUT1.R82	Observations	1038
Member Type	DATA	Variables	94
Engine	V9	Indexes	0
Created	10:04 Friday, February 16, 2007	Observation Length	752
Last Modified	10:04 Friday, February 16, 2007	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

SECTION 9.3 NON-SCD INITIATED HOSPITALIZATION

FORM 90

**CODEBOOK FOR CSSCD FORM 82
PREGNANCY FORM**

CSSCD FULL COHORT PATIENTS

Number of Data Set Pages	51
First Data Page	1
Max Obs per Page	21
Obs in First Data Page	5
Number of Data Set Repairs	0
File Name	r82.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 #
23	F82ABPL	Num	8	ABNORMAL PELVIS
17	F82AMTRA	Num	8	AMOUNT OF TRANSFUSIONS
66	F82CBCHB	Num	8	CSC HB
67	F82CBCHC	Num	8	CBC HCT
70	F82CBCMC	Num	8	CBC MCV
68	F82BCBRB	Num	8	CBC RBC -2
69	F82CBCWB	Num	8	CBC WBC -1
18	F82CCS	Num	8	CAESAREAN SECTION
46	F82CHSTC	Num	8	CHEST CONTOUR
32	F82CIGTS	Num	8	CIGARETTES PRESENTLY SMOKED
31	F82COM	Num	8	OTHER COMPLICATION
24	F82CVX	Num	8	INCOMPETENT CERVIX
2	F82CYCLE	Num	8	TYPE OF VISIT
62	F82DCON	Num	8	DIAGONAL CONJUGATE
77	F82DFATC	Num	8	DIFFERENTIAL ATYPICAL CELLS
74	F82DFBAS	Num	8	DIFFERENTIAL BASOPHILS
72	F82DFBDS	Num	8	DIFFERENTIAL BANDS
73	F82DFE0S	Num	8	DIFFERENTIAL EOSINOPHILS
75	F82DFLYM	Num	8	DIFFERENTIAL LYMPHOCYTES
78	F82DFMM	Num	8	DIFFERENTIAL METAMYELOCYTES-MYELOCYTES
76	F82DFMON	Num	8	DIFFERENTIAL MONOCYTES
71	F82DFPMN	Num	8	DIFFERENTIAL PMN
45	F82DIA	Num	8	BLOOD PRESSURE - DIASTOLIC
36	F82EAT	Num	8	EAT CLAY, STARCH, ICE
22	F82ECL	Num	8	ECLAMPSIA
15	F82FDOSE	Num	8	FOLATE DOSAGE MG-DAY
14	F82FOLTE	Num	8	FOLATE TAKEN
88	F82HBF	Num	8	HB F QUANTITATIVE -1
5	F82HOPT	Num	8	HOSPITALIZED FOR ABORTION OR MISCARRIAGE
61	F82HORF	Num	8	EDEMA-HANDS OR FACE
51	F82HRMTP	Num	8	HEART MURMUR TYPE
13	F82IDOSE	Num	8	IRON DOSAGE MG-DAY
12	F82IRON	Num	8	IRON TAKEN
60	F82LEXT	Num	8	EDEMA - LOWER EXTREMITY
35	F82LIQN	Num	8	NUMBER OF DRINKS PER DAY
34	F82LIQUR	Num	8	LIQUOR DRUNK
49	F82LNPD	Num	8	PERCUSSION DULLNESS PRESENT
47	F82LNRL	Num	8	RALES PRESENT
48	F82LNTN	Num	8	RHONCHI PRESENT
50	F82LNWZ	Num	8	WHEEZING PRESENT
54	F82LVRSZ	Num	8	SIZE OF LIVER

SECTION 9.3 NON-SCD INITIATED HOSPITALIZATION

FORM 90

**CODEBOOK FOR CSSCD FORM 82
PREGNANCY FORM**

CSSCD FULL COHORT PATIENTS

55	F82LVRTN	Num	8	LIVER TENDERNESS
63	F82MIDP	Num	8	MIDPELVIS
33	F82NOCIT	Num	8	NUMBER OF CIGARETTES SMOKED
7	F82NOCLC	Num	8	NUMBER OF VISITS AT CLINIC
9	F82NOHPT	Num	8	NUMBER OF VISITS AT HOSPITAL
11	F82NOOTH	Num	8	NUMBER OF VISITS OTHER
79	F82NRB	Num	8	NUCLEATED RED BLOOD CELLS
64	F82OUT	Num	8	OUTLET
6	F82PCCLC	Num	8	PRENATAL CARE AT SCD CLINIC
8	F82PCHPT	Num	8	PRENATAL CARE AT HOSPITAL
10	F82PCOTH	Num	8	PRENATAL CARE OTHER
39	F82PEDAY	Num	8	PAINFUL EPISODES MISSED DAYS
38	F82PENUM	Num	8	PAINFUL EPISODES
27	F82PLEM	Num	8	PULMONARY EMBOLISM
65	F82PLVSZ	Num	8	PELVIC SIZE
21	F82PREC	Num	8	PRE ECLAMPSIA
19	F82PRHM	Num	8	PREPARTUM HEMORRHAGE
29	F82PRPI	Num	8	PUERPERAL INFECTION
20	F82PSHH	Num	8	POSTPARTUM HEMORRHAGE
43	F82PULSE	Num	8	BEATS PER MINUTE
53	F82RETD	Num	8	SUSP. INTRAUTERINE GROWTH RETARDATION
37	F82SPAN	Num	8	SICKLE CELL PAIN
58	F82SPLDI	Num	8	SPLEEN - CM FROM MIDLINE
56	F82SPLP	Num	8	PALPABLE SPLEEN
59	F82SPLTN	Num	8	SPLEEN TENDERNESS
57	F82SPLTP	Num	8	SPLEEN - TIP PALPATED
44	F82SYS	Num	8	BLOOD PRESSURE -SYSTOLIC
3	F82TERMN	Num	8	PREGNANCY TERMINATED AND OUTCOME
28	F82THRC	Num	8	THROMBIC COMPLICATIONS
26	F82THRM	Num	8	THROMBOPHLEBITIS
41	F82TMP	Num	8	TEMPERATURE
42	F82TMPH	Num	8	HOW TEMPERATURE TAKEN
16	F82TRANS	Num	8	ANY TRANSFUSIONS
86	F82URCL1	Num	8	POSITIVE URINE CULTURE ORGANISM
87	F82URCL2	Num	8	POSITIVE URINE CULTURE ORGANISM
85	F82URCPN	Num	8	URINE CULTURE RESULTS
89	F82URES1	Num	8	URINARY ESTROGENS - ESTRIOL NG-ML
90	F82URES2	Num	8	URINARY ESTROGENS - ESTRONE NG-ML
91	F82URES3	Num	8	URINARY ESTROGENS - ESTRODIAL NG-ML
81	F82URGLC	Num	8	GLUCOSE
84	F82URMCH	Num	8	URINALYSIS CASTS-HPF
82	F82URMRH	Num	8	URINALYSIS > 5 RBS-HPF
83	F82URMWH	Num	8	URINALYSIS > 5 WBC-HPF
80	F82URPRO	Num	8	URINALYSIS PROTEIN
30	F82URTI	Num	8	URINARY TRACT INFECTION
52	F82USIZE	Num	8	UTERINE SIZE
25	F82UTRD	Num	8	UTERINE DYSFUNCTION
40	F82WGT	Num	8	WEIGHT
4	F82WKS	Num	8	WEEK ABORTED OR MISCARRIED
94	J82EDATE	Num	8	ESTIMATED DATE OF DELIVERY - RECODE DAYS SINCE DOE
93	JF82DATE	Num	8	DATEOF VISIT - RECODE DAYS SINCE DOE
92	JF82LMSP	Num	8	LAST MENSTRUAL PERIOD - RECODE DAYS SINCE DOE

SECTION 9.3 NON-SCD INITIATED HOSPITALIZATION

FORM 90

CODEBOOK FOR CSSCD FORM 82

PREGNANCY FORM

CSSCD FULL COHORT PATIENTS

```
*****
* R82.FMT contains value labels for numerical codes assigned to
categorical *
* variables in the SAS dataset R82.SD2
*
*****;
```

PROC FORMAT;

* SIR/DBMS 2.2 SAS PROC STEP FROM DATABASE: CSSCD 10/21/99 14:15:39;

```
VALUE F82CYCLE
  11      = 'PREG 1, INIT VST'
  12      = 'PREG 1, TRI 1'
  13      = 'PREG 1, TRI 2'
  14      = 'PREG 1, TRI 3'
  15      = 'PREG 1, DELIV'
  16      = 'PREG 6, INIT VST'
  21      = 'PREG 2, INIT VST'
  22      = 'PREG 2, TRI 1'
  23      = 'PREG 2, TRI 2'
  24      = 'PREG 2, TRI 3'
  25      = 'PREG 2, DELIV'
  26      = 'PREG 6, TRI 1'
```

CODEBOOK FOR CSSCD FORM 82

PREGNANCY FORM

CSSCD FULL COHORT PATIENTS

31	= 'PREG 3, INIT VST'
32	= 'PREG 3, TRI 1'
33	= 'PREG 3, TRI 2'
34	= 'PREG 3, TRI 3'
35	= 'PREG 3, DELIV'
41	= 'PREG 4, INIT VST'
42	= 'PREG 4, TRI 1'
43	= 'PREG 4, TRI 2'
44	= 'PREG 4, TRI 3'
45	= 'PREG 4, DELIV'
51	= 'PREG 5, INIT VST'
52	= 'PREG 5, TRI 1'
53	= 'PREG 5, TRI 2'
54	= 'PREG 5, TRI 3'
55	= 'PREG 5, DELIV';

VALUE F82TERMN

1	= 'ONGOING'
2	= 'DELIV'
5	= 'ABORTION/MISCARRIAGE';

* FORMAT NO_YES is used for the following variables:

F82HOPT F82PCCLC F82PCHPT F82PCOTH F82IRON F82FOLTE F82TRANS F82CCS
F82PRHM F82PSHH F82PREC F82ECL F82ABPL F82CVX F82UTRD F82THRM F82PLEM
F82THRC F82PRPI F82URTI F82COM F82CIGTS F82LNRL F82LNTN F82LNPD
F82LNWZ F82RETD F82SPLP;

VALUE NO_YES

1	= 'NO'
2	= 'YES';

VALUE F82LIQUR

1	= '<1 TIME PER WK'
2	= '1-2 TIMES PER WK'
3	= '3-4 TIMES PER WK'
4	= 'ABOUT EVERY DAY'
5	= 'EVERY DAY';

VALUE F82EAT

1	= 'CLAY (1)'
2	= 'STARCH (2)'
4	= 'ICE (4)'
8	= 'NO (8)';

VALUE F82SPAN

1	= 'NO'
2	= 'YES, SAME'
3	= 'YES, MORE'
4	= 'YES, LESS';

CODEBOOK FOR CSSCD FORM 82

PREGNANCY FORM

CSSCD FULL COHORT PATIENTS

VALUE F82TMPH
1 = 'ORAL'
2 = 'RECTAL'
3 = 'AXILLARY';

VALUE F82CHSTC
1 = 'NORMAL'
2 = 'ABNORMAL';

VALUE F82HRMTP
0 = 'PRESENT-? TYPE'
1 = 'SYSTOLIC'
2 = 'DIASTOLIC'
3 = 'BOTH'
4 = 'ABSENT';

* FORMAT ABS_PRES is used for the following variables: F82LVRTN
F82SPLTN F82HORF;

VALUE ABS_PRES
1 = 'ABSENT'
2 = 'PRESENT';

VALUE F82LEXT
0 = 'PRESENT-? SITE'
1 = 'RIGHT'
2 = 'LEFT'
3 = 'BOTH'
4 = 'ABSENT';

VALUE F82DCON
1 = 'NO EXAM'
2 = 'SHORT'
3 = 'AVERAGE';

* FORMAT MID_OUTL is used for the following variables: F82MIDP F82OUT;

VALUE MID_OUTL
1 = 'NO EXAM'
2 = 'SHORT'
3 = 'CONSTRICTED';

VALUE F82PLVSZ
1 = 'NO EXAM'
2 = 'ADEQUATE'

CODEBOOK FOR CSSCD FORM 82

PREGNANCY FORM

CSSCD FULL COHORT PATIENTS

3 = 'BORDERLINE'
 4 = 'SMALL'
 5 = 'INDETERMINATE';

VALUE F82URPRO

1 = 'NEG'
 2 = 'TRACE'
 3 = '1+'
 4 = '2+'
 5 = '3+'
 6 = '4+';

VALUE F82URGLC

1 = 'NEG'
 2 = 'POS';

* FORMAT PRES_ABS is used for the following variables: F82URMRH
 F82URMWH;

VALUE PRES_ABS

1 = 'PRESENT'
 2 = 'ABSENT';

VALUE F82URMCH

0 = 'PRESENT-? TYPE'
 1 = 'RBC'
 2 = 'WBC'
 4 = 'GRANULAR'
 8 = 'HYALINE'
 16 = 'ABSENT';

VALUE F82URCPN

1 = '?? POSITIVE'
 2 = '?? NEGATIVE'
 3 = '?? NOT DONE';

* FORMAT

F82CYCLE F82CYCLE.
 F82TERMN F82TERMN.
 F82HOPT F82PCCLC F82PCHPT F82PCOTH F82IRON F82FOLTE
 F82TRANS
 F82CCS F82PRHM F82PSHH F82PREC F82ECL F82ABPL F82CVX
 F82UTRD
 F82THRM F82PLEM F82THRC F82PRPI F82URTI F82COM F82CIGTS
 F82LNRL F82LNTN F82LNPD F82LNWZ F82RETD F82SPLP NO_YES.
 F82LIQUR F82LIQUR.
 F82EAT F82EAT.
 F82SPAN F82SPAN.
 F82TMPH F82TMPH.
 F82CHSTC F82CHSTC.

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CSSCD FULL COHORT PATIENTS

F82HRMTP F82HRMTP.
F82LVRTN F82SPLTN F82HORF ABS_PRES.
F82LEXT F82LEXT.
F82DCON F82DCON.
F82MIDP F82OUT MID_OUTL.
F82PLVSZ F82PLVSZ.
F82URPRO F82URPRO.
F82URGLC F82URGLC.
F82URMRH F82URMWH PRES_ABS.
F82URMCH F82URMCH.
F82URCPN F82URCPN.;

RUN;
QUIT;

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CSSCD FULL COHORT PATIENTS

F82CYCLE ----- TYPE OF VISIT

type: numeric (float)
label: F82CYCLE

range: [11,52] units: 1
unique values: 22 coded missing: 0 / 1038

tabulation:	Freq.	Numeric	Label
	70	11	PREG 1, INIT VST
	158	12	PREG 1, TRI 1
	163	13	PREG 1, TRI 2
	148	14	PREG 1, TRI 3
	172	15	PREG 1, DELIV
	20	21	PREG 2, INIT VST
	61	22	PREG 2, TRI 1
	53	23	PREG 2, TRI 2
	51	24	PREG 2, TRI 3
	58	25	PREG 2, DELIV
	13	31	PREG 3, INIT VST
	13	32	PREG 3, TRI 1
	13	33	PREG 3, TRI 2
	9	34	PREG 3, TRI 3
	9	35	PREG 3, DELIV
	4	41	PREG 4, INIT VST
	6	42	PREG 4, TRI 1
	5	43	PREG 4, TRI 2
	4	44	PREG 4, TRI 3
	6	45	PREG 4, DELIV
	1	51	PREG 5, INIT VST
	1	52	PREG 5, TRI 1

F82VDATE ----- VERSION DATE

DELETED

type: numeric (float)
label: datelab

range: [7573,7573] units: 1
unique values: 1 coded missing: 0 / 1038

tabulation:	Freq.	Numeric	Label
	1038	7573	09/25/80

F82TERMN ----- PREGNANCY TERMINATED AND OUTCOME

MODIFIED

type: numeric (float)
label: F82TERMN

range: [1,4] units: 1
unique values: 4 coded missing: 0 / 1038

tabulation:	Freq.	Numeric	Label
	620	1	ONGOING
	270	2	DELIV
	119	3	ABORTION
	29	4	MISCARR

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CSSCD FULL COHORT PATIENTS

F82WKS ----- WEEK ABORTED OR MISCARRIED

type: numeric (float)

range: [1,32] units: 1
unique values: 25 coded missing: 900 / 1038

tabulation: Freq. Value

5	1
1	4
3	5
5	6
7	7
34	8
11	9
12	10
2	11
12	12
8	13
10	14
2	15
6	16
2	17
2	18
3	19
5	20
1	21
2	22
1	23
1	26
1	29
1	30
1	32

F82HOPT ----- HOSPITALIZED FOR ABORTION OR MISCARRIAGE

type: numeric (float)
label: F82HOPT

range: [1,2] units: 1
unique values: 2 coded missing: 907 / 1038

tabulation: Freq. Numeric Label

23	1	NO
108	2	YES

F82HOPT:

1. Required only if F82TERMN=3 or 4.

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CSSCD FULL COHORT PATIENTS

F82PCCLC ----- PRENATAL CARE AT SCD CLINIC

type: numeric (float)
label: F82PCCLC

range: [1,2] units: 1
unique values: 2 coded missing: 87 / 1038

tabulation:	Freq.	Numeric	Label
	590	1	NO
	361	2	YES

F82NOCLC ----- NUMBER OF VISITS AT CLINIC

type: numeric (float)

range: [0,22] units: 1
unique values: 15 coded missing: 696 / 1038

tabulation:	Freq.	Value
	1	0
	117	1
	83	2
	48	3
	31	4
	14	5
	11	6
	5	7
	6	8
	7	9
	9	10
	1	11
	5	12
	3	15
	1	22

F82NOCLC:

1. Required only if F82PCCLC=2.

F82PCHPT ----- PRENATAL CARE AT HOSPITAL

type: numeric (float)
label: F82PCHPT

range: [1,2] units: 1
unique values: 2 coded missing: 105 / 1038

tabulation:	Freq.	Numeric	Label
	524	1	NO
	409	2	YES

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CSSCD FULL COHORT PATIENTS

F82NOHPT ----- NUMBER OF VISITS AT HOSPITAL

type: numeric (float)

range: [0,99]

units: 1

unique values: 21

coded missing: 675 / 1038

tabulation: Freq. Value

	7	0
	86	1
	81	2
	47	3
	38	4
	28	5
	20	6
	5	7
	19	8
	6	9
	11	10
	1	11
	4	12
	1	14
	3	15
	1	16
	1	18
	1	22
	1	25
	1	30
	1	99

F82NOHPT:

1. Required only if F82PCHPT=2.

F82IRON ----- IRON TAKEN

type: numeric (float)

label: F82IRON

range: [1,2]

units: 1

unique values: 2

coded missing: 78 / 1038

tabulation: Freq. Numeric Label

	635	1	NO
	325	2	YES

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CSSCD FULL COHORT PATIENTS

F82IDOSE ----- IRON DOSAGE MG-DAY

type: numeric (float)

range: [0,999]

units: 1

unique values: 34

coded missing: 768 / 1038

tabulation: Freq. Value

1	0
23	1
7	2
3	3
5	4
1	5
5	16
3	30
1	37
1	45
11	60
52	65
4	90
1	99
2	100
2	120
1	125
2	200
5	250
51	300
3	320
28	325
2	350
1	400
7	600
4	650
1	675
1	690
3	750
20	900
3	925
14	975
1	995
1	999

F82IDOSE:

1. Required only if F82IRON=2.

F82FOLTE ----- FOLATE TAKEN

type: numeric (float)

label: F82FOLTE

range: [1,2]

units: 1

unique values: 2

coded missing: 70 / 1038

tabulation: Freq. Numeric Label

272	1	NO
696	2	YES

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CSSCD FULL COHORT PATIENTS

F82FDOSE ----- FOLATE DOSAGE MG-DAY

type: numeric (float)

range: [1,600] units: 1
unique values: 8 coded missing: 372 / 1038

tabulation: Freq. Value

623	1
27	2
1	4
9	5
2	11
1	250
2	300
1	600

F82FDOSE:

1. Required only if F82FOLTE=2.

F82TRANS ----- ANY TRANSFUSIONS

type: numeric (float)
label: F82TRANS

range: [1,2] units: 1
unique values: 2 coded missing: 60 / 1038

tabulation: Freq. Numeric Label

706	1	NO
272	2	YES

F82AMTRA ----- AMOUNT OF TRANSFUSIONS

type: numeric (float)

range: [0,12] units: 1
unique values: 11 coded missing: 777 / 1038

tabulation: Freq. Value

2	0
129	1
59	2
31	3
17	4
10	5
9	6
1	8
1	9
1	11
1	12

F82AMTRA:

1. Required only if F82TRANS=2.

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CSSCD FULL COHORT PATIENTS

F82CCS ----- CAESAREAN SECTION

type: numeric (float)
label: F82CCS

range: [1,2] units: 1
unique values: 2 coded missing: 120 / 1038

tabulation: Freq. Numeric Label
790 1 NO
128 2 YES

F82PRHM ----- PREPARTUM HEMORRHAGE

type: numeric (float)
label: F82PRHM

range: [1,2] units: 1
unique values: 2 coded missing: 128 / 1038

tabulation: Freq. Numeric Label
892 1 NO
18 2 YES

F82PSHH ----- POSTPARTUM HEMORRHAGE

type: numeric (float)
label: F82PSHH

range: [1,2] units: 1
unique values: 2 coded missing: 128 / 1038

tabulation: Freq. Numeric Label
899 1 NO
11 2 YES

F82PREC ----- PRE ECLAMPSIA

type: numeric (float)
label: F82PREC

range: [1,2] units: 1
unique values: 2 coded missing: 128 / 1038

tabulation: Freq. Numeric Label
863 1 NO
47 2 YES

F82ECL ----- ECLAMPSIA

type: numeric (float)
label: F82ECL

range: [1,2] units: 1
unique values: 2 coded missing: 128 / 1038

tabulation: Freq. Numeric Label
907 1 NO
3 2 YES

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CSSCD FULL COHORT PATIENTS

F82ABPL ----- ABNORMAL PELVIS

type: numeric (float)
label: F82ABPL

range: [1,2] units: 1
unique values: 2 coded missing: 131 / 1038

tabulation:	Freq.	Numeric	Label
	898	1	NO
	9	2	YES

F82CVX ----- INCOMPETENT CERVIX

type: numeric (float)
label: F82CVX

range: [1,2] units: 1
unique values: 2 coded missing: 133 / 1038

tabulation:	Freq.	Numeric	Label
	896	1	NO
	9	2	YES

F82UTRD ----- UTERINE DYSFUNCTION

type: numeric (float)
label: F82UTRD

range: [1,2] units: 1
unique values: 2 coded missing: 132 / 1038

tabulation:	Freq.	Numeric	Label
	902	1	NO
	4	2	YES

F82THRM ----- THROMBOPHLEBITIS

type: numeric (float)
label: F82THRM

range: [1,2] units: 1
unique values: 2 coded missing: 127 / 1038

tabulation:	Freq.	Numeric	Label
	904	1	NO
	7	2	YES

F82PLEM ----- PULMONARY EMBOLISM

type: numeric (float)
label: F82PLEM

range: [1,2] units: 1
unique values: 2 coded missing: 128 / 1038

tabulation:	Freq.	Numeric	Label
	901	1	NO
	9	2	YES

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CSSCD FULL COHORT PATIENTS

F82THRC ----- THROMBIC COMPLICATIONS

type: numeric (float)
label: F82THRC

range: [1,2] units: 1
unique values: 2 coded missing: 127 / 1038

tabulation: Freq. Numeric Label
905 1 NO
6 2 YES

F82PRPI ----- PUERPERAL INFECTION

type: numeric (float)
label: F82PRPI

range: [1,2] units: 1
unique values: 2 coded missing: 127 / 1038

tabulation: Freq. Numeric Label
899 1 NO
12 2 YES

F82URTI ----- URINARY TRACT INFECTION

type: numeric (float)
label: F82URTI

range: [1,2] units: 1
unique values: 2 coded missing: 130 / 1038

tabulation: Freq. Numeric Label
794 1 NO
114 2 YES

F82COM ----- OTHER COMPLICATION

type: numeric (float)
label: F82COM

range: [1,2] units: 1
unique values: 2 coded missing: 130 / 1038

tabulation: Freq. Numeric Label
803 1 NO
105 2 YES

F82CIGTS ----- CIGARETTES PRESENTLY SMOKED

type: numeric (float)
label: F82CIGTS

range: [1,2] units: 1
unique values: 2 coded missing: 55 / 1038

tabulation: Freq. Numeric Label
780 1 NO
203 2 YES

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CSSCD FULL COHORT PATIENTS

F82NOCIT ----- NUMBER OF CIGARETTES SMOKED

type: numeric (float)

range: [1,40] units: 1
unique values: 17 coded missing: 839 / 1038

tabulation: Freq. Value

8	1
15	2
16	3
15	4
23	5
13	6
5	7
6	8
66	10
1	12
1	13
9	15
1	17
15	20
1	21
2	30
2	40

F82NOCIT:

1. Required only if F82CIGTS=2.

F82CIGAR ----- CIGARS PRESENTLY SMOKED

DELETED

type: numeric (float)
label: F82CIGAR

range: [1,2] units: 1
unique values: 2 coded missing: 54 / 1038

tabulation: Freq. Numeric Label

982	1	NO
2	2	YES

F82NOCIG ----- NUMBER OF CIGARS SMOKED

DELETED

type: numeric (float)

range: [1,4] units: 1
unique values: 2 coded missing: 1036 / 1038

tabulation: Freq. Value

1	1
1	4

F82NOCIG:

1. Required only if F82CIGAR=2.

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CSSCD FULL COHORT PATIENTS

F82PIPE ----- PIPE PRESENTLY SMOKED **DELETED**

type: numeric (float)
label: F82PIPE

range: [1,2] units: 1
unique values: 2 coded missing: 53 / 1038

tabulation:	Freq.	Numeric	Label
	984	1	NO
	1	2	YES

F82NOPIP ----- NUMBER OF PIPEFULS SMOKED **DELETED**

type: numeric (float)

range: [2,2] units: 1
unique values: 1 coded missing: 1037 / 1038

tabulation:	Freq.	Value
	1	2

F82NOPIP:

1. Required only if F82PIPE=2.

F82LIQUR ----- LIQUOR DRUNK

type: numeric (float)
label: F82LIQUR

range: [1,5] units: 1
unique values: 5 coded missing: 55 / 1038

tabulation:	Freq.	Numeric	Label
	862	1	<1 TIME PER WK
	74	2	1-2 TIMES PER WK
	32	3	3-4 TIMES PER WK
	11	4	ABOUT EVERY DAY
	4	5	EVERY DAY

F82LIQN ----- NUMBER OF DRINKS PER DAY

type: numeric (float)

range: [-1,4] units: 1
unique values: 6 coded missing: 930 / 1038

tabulation:	Freq.	Value
	4	-1
	3	0
	61	1
	29	2
	6	3
	5	4

F82LIQN:

1. Required only if F82LIQUR=2.

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CSSCD FULL COHORT PATIENTS

F82EAT ----- EAT CLAY, STARCH, ICE

type: numeric (float)

range: [1,8]

units: 1

unique values: 6

coded missing: 57 / 1038

tabulation: Freq. Value

7	1	CLAY (1)
13	2	STARCH (2)
171	4	ICE (4)
9	6	
2	7	
779	8	NO (8)

F82EAT:

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

F82SCPAN ----- SICKLE CELL PAIN

type: numeric (float)

label: F82SCPAN

range: [1,4]

units: 1

unique values: 4

coded missing: 68 / 1038

tabulation: Freq. Numeric Label

594	1	NO
206	2	YES,SAME
125	3	YES,MORE
45	4	YES,LESS

F82PENUM ----- PAINFUL EPISODES

type: numeric (float)

range: [1,3]

units: 1

unique values: 3

coded missing: 700 / 1038

tabulation: Freq. Value

136	1	
150	2	
52	3	

F82PEDAY ----- PAINFUL EPISODES MISSED DAYS

type: numeric (float)

range: [1,3]

units: 1

unique values: 3

coded missing: 769 / 1038

tabulation: Freq. Value

70	1	
146	2	
53	3	

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CSSCD FULL COHORT PATIENTS

F82WGT ----- WEIGHT

type: numeric (float)

range: [34.76,165] units: .01
unique values: 363 coded missing: 105 / 1038

mean: 60.9507
std. dev: 12.291

percentiles: 10% 25% 50% 75% 90%
48.99 53.07 58.97 66.22 74.64

F82TMP ----- TEMPERATURE

type: numeric (float)

range: [-.1,40.4] units: .1
unique values: 32 coded missing: 103 / 1038

mean: 36.8658
std. dev: 2.74024

percentiles: 10% 25% 50% 75% 90%
36.7 36.9 37 37.2 37.4

F82TMPH ----- HOW TEMPERATURE TAKEN

type: numeric (float)
label: F82TMPH

range: [1,2] units: 1
unique values: 2 coded missing: 106 / 1038

tabulation: Freq. Numeric Label
925 1 ORAL
7 2 RECTAL

F82PULSE ----- BEATS PER MINUTE

type: numeric (float)

range: [1,130] units: 1
unique values: 39 coded missing: 109 / 1038

mean: 83.8439
std. dev: 11.2835

percentiles: 10% 25% 50% 75% 90%
72 80 82 88 100

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CSSCD FULL COHORT PATIENTS

F82SYS ----- BLOOD PRESSURE -SYSTOLIC

type: numeric (float)
range: [50,182] units: 1
unique values: 54 coded missing: 71 / 1038
mean: 108.968
std. dev: 14.202
percentiles: 10% 25% 50% 75% 90%
92 100 110 118 124

F82DIA ----- BLOOD PRESSURE - DIASTOLIC

type: numeric (float)
range: [38,108] units: 1
unique values: 43 coded missing: 71 / 1038
mean: 66.2834
std. dev: 10.6242
percentiles: 10% 25% 50% 75% 90%
50 60 68 70 80

F82CHSTC ----- CHEST CONTOUR

type: numeric (float)
label: F82CHSTC
range: [1,2] units: 1
unique values: 2 coded missing: 68 / 1038
tabulation: Freq. Numeric Label
966 1 NORMAL
4 2 ABNORMAL

F82LNRL ----- RALES PRESENT

type: numeric (float)
label: F82LNRL
range: [1,2] units: 1
unique values: 2 coded missing: 61 / 1038
tabulation: Freq. Numeric Label
967 1 NO
10 2 YES

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CSSCD FULL COHORT PATIENTS

F82LNTN ----- RHONCHI PRESENT

type: numeric (float)
label: F82LNTN

range: [1,2] units: 1
unique values: 2 coded missing: 62 / 1038

tabulation:	Freq.	Numeric	Label
	971	1	NO
	5	2	YES

F82LNPD ----- PERCUSSION DULLNESS PRESENT

type: numeric (float)
label: F82LNPD

range: [1,2] units: 1
unique values: 2 coded missing: 61 / 1038

tabulation:	Freq.	Numeric	Label
	972	1	NO
	5	2	YES

F82LNWZ ----- WHEEZING PRESENT

type: numeric (float)
label: F82LNWZ

range: [1,2] units: 1
unique values: 2 coded missing: 61 / 1038

tabulation:	Freq.	Numeric	Label
	968	1	NO
	9	2	YES

F82HRMTP ----- HEART MURMUR TYPE

type: numeric (float)
label: F82HRMTP

range: [0,4] units: 1
unique values: 4 coded missing: 67 / 1038

tabulation:	Freq.	Numeric	Label
	3	0	PRESENT-? TYPE
	663	1	SYSTOLIC
	4	3	BOTH
	301	4	ABSENT

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CSSCD FULL COHORT PATIENTS

F82USIZE ----- UTERINE SIZE

type: numeric (float)

range: [0,335] units: 1
unique values: 46 coded missing: 237 / 1038

mean: 15.3808
std. dev: 22.3895

percentiles: 10% 25% 50% 75% 90%
0 0 12 26 34

F82RETD ----- SUSP. INTRAUTERINE GROWTH RETARDATION

type: numeric (float)
label: F82RETD

range: [1,2] units: 1
unique values: 2 coded missing: 144 / 1038

tabulation: Freq. Numeric Label
859 1 NO
35 2 YES

F82LVRSZ ----- SIZE OF LIVER

type: numeric (float)

range: [0,15] units: 1
unique values: 14 coded missing: 153 / 1038

tabulation: Freq. Value
719 0
23 1
55 2
18 3
31 4
10 5
6 6
1 7
8 8
1 9
4 10
4 11
4 12
1 15

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CSSCD FULL COHORT PATIENTS

F82LVRTN ----- LIVER TENDERNESS

type: numeric (float)

label: F82LVRTN

range: [1,2]

units: 1

unique values: 2

coded missing: 80 / 1038

tabulation:	Freq.	Numeric	Label
	942	1	ABSENT
	16	2	PRESENT

F82SPLP ----- PALPABLE SPLEEN

type: numeric (float)

label: F82SPLP

range: [1,2]

units: 1

unique values: 2

coded missing: 80 / 1038

tabulation:	Freq.	Numeric	Label
	922	1	NO
	36	2	YES

F82SPLTP ----- SPLEEN - TIP PALPATED

type: numeric (float)

range: [0,9]

units: 1

unique values: 8

coded missing: 1006 / 1038

tabulation:	Freq.	Value
	2	0
	6	1
	8	2
	3	3
	10	4
	1	5
	1	8
	1	9

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CSSCD FULL COHORT PATIENTS

F82SPLDI ----- SPLEEN - CM FROM MIDLINE

type: numeric (float)

range: [0,11] units: 1
unique values: 11 coded missing: 1005 / 1038

tabulation: Freq. Value

6	0
7	2
4	3
7	4
2	5
1	6
1	7
1	8
2	9
1	10
1	11

F82SPLDI:

1. Required only if F82SPLTP=2.

F82SPLTN ----- SPLEEN TENDERNESS

type: numeric (float)
label: F82SPLTN

range: [1,2] units: 1
unique values: 2 coded missing: 93 / 1038

tabulation: Freq. Numeric Label

937	1	ABSENT
8	2	PRESENT

F82LEXT ----- EDEMA - LOWER EXTREMITY

type: numeric (float)
label: F82LEXT

range: [1,4] units: 1
unique values: 4 coded missing: 74 / 1038

tabulation: Freq. Numeric Label

3	1	RIGHT
4	2	LEFT
54	3	BOTH
903	4	ABSENT

F82HORF ----- EDEMA-HANDS OR FACE

type: numeric (float)
label: F82HORF

range: [1,2] units: 1
unique values: 2 coded missing: 68 / 1038

tabulation: Freq. Numeric Label

951	1	ABSENT
19	2	PRESENT

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CSSCD FULL COHORT PATIENTS

F82DCON ----- DIAGONAL CONJUGATE

type: numeric (float)
label: F82DCON

range: [1,3] units: 1
unique values: 3 coded missing: 765 / 1038

tabulation:	Freq.	Numeric	Label
	215	1	NO EXAM
	5	2	SHORT
	53	3	AVERAGE

F82DCON:

1. Done only at end of the third trimester.

F82MIDP ----- MIDPELVIS

type: numeric (float)
label: F82MIDP

range: [1,3] units: 1
unique values: 3 coded missing: 768 / 1038

tabulation:	Freq.	Numeric	Label
	212	1	NO EXAM
	55	2	SHORT
	3	3	CONSTRICTED

F82MIDP:

1. Done only at end of the third trimester.

F82OUT ----- OUTLET

type: numeric (float)
label: F82OUT

range: [1,3] units: 1
unique values: 3 coded missing: 769 / 1038

tabulation:	Freq.	Numeric	Label
	209	1	NO EXAM
	58	2	SHORT
	2	3	CONSTRICTED

F82OUT:

1. Done only at end of the third trimester.

CODEBOOK FOR CSSCD FORM 82

PREGNANCY FORM - PAGE 5

CSSCD FULL COHORT PATIENTS

F82PLVSZ ----- PELVIC SIZE

type: numeric (float)

label: F82PLVSZ

range: [1,5]

units: 1

unique values: 5

coded missing: 768 / 1038

tabulation:	Freq.	Numeric	Label
	195	1	NO EXAM
	24	2	ADEQUATE
	48	3	BORDERLINE
	1	4	SMALL
	2	5	INDETERMINATE

F82PLVSZ:

1. Done only at end of the third trimester.

CODEBOOK FOR CSSCD FORM 82

PREGNANCY FORM - PAGE 6

CSSCD FULL COHORT PATIENTS

F82CBCHB ----- CSC HB

type: numeric (float)

range: [4.6,14.3] units: .1
unique values: 82 coded missing: 115 / 1038

mean: 9.01874
std. dev: 1.55119

percentiles:	10%	25%	50%	75%	90%
	7.1	7.9	8.9	10	11.1

F82CBCHC ----- CBC HCT

type: numeric (float)

range: [-.1,42] units: .1
unique values: 211 coded missing: 122 / 1038

mean: 26.7771
std. dev: 5.02636

percentiles:	10%	25%	50%	75%	90%
	21	23.2	26.4	30	33.6

F82CBCRB ----- CBC RBC -2

type: numeric (float)

range: [1.28,9.1] units: .01
unique values: 283 coded missing: 153 / 1038

mean: 2.94459
std. dev: .778505

percentiles:	10%	25%	50%	75%	90%
	2.08	2.39	2.81	3.41	3.96

F82CBCWB ----- CBC WBC -1

type: numeric (float)

range: [-.1,31.8] units: .1
unique values: 190 coded missing: 131 / 1038

mean: 11.9309
std. dev: 4.61518

percentiles:	10%	25%	50%	75%	90%
	6.8	9.1	11.7	14.7	18

CODEBOOK FOR CSSCD FORM 82

PREGNANCY FORM - PAGE 6

CSSCD FULL COHORT PATIENTS

F82CBCMC ----- CBC MCV

type: numeric (float)

range: [-1,902] units: 1
unique values: 50 coded missing: 152 / 1038

mean: 88.9684
std. dev: 34.4043

percentiles:	10%	25%	50%	75%	90%
	76	84	92	99	104

F82DFPMN ----- DIFFERENTIAL PMN

type: numeric (float)

range: [-1,89] units: 1
unique values: 61 coded missing: 308 / 1038

mean: 63.0849
std. dev: 12.4518

percentiles:	10%	25%	50%	75%	90%
	48	56	64	72	78

F82DFBDS ----- DIFFERENTIAL BANDS

type: numeric (float)

range: [0,25] units: 1
unique values: 24 coded missing: 319 / 1038

mean: 2.50209
std. dev: 3.77754

percentiles:	10%	25%	50%	75%	90%
	0	0	1	3	7

F82DFE0S ----- DIFFERENTIAL EOSINOPHILS

type: numeric (float)

range: [0,15] units: 1
unique values: 16 coded missing: 321 / 1038

mean: 1.91771
std. dev: 2.23861

percentiles:	10%	25%	50%	75%	90%
	0	0	1	3	5

CODEBOOK FOR CSSCD FORM 82

PREGNANCY FORM - PAGE 6

CSSCD FULL COHORT PATIENTS

F82DFBAS ----- DIFFERENTIAL BASOPHILS

type: numeric (float)
range: [-1,6] units: 1
unique values: 8 coded missing: 324 / 1038
mean: .371148
std. dev: .791474
percentiles: 10% 25% 50% 75% 90%
0 0 0 1 1

F82DFLYM ----- DIFFERENTIAL LYMPHOCYTES

type: numeric (float)
range: [-1,54] units: 1
unique values: 46 coded missing: 305 / 1038
mean: 24.1078
std. dev: 11.1039
percentiles: 10% 25% 50% 75% 90%
12 17 24 32 39

F82DFMON ----- DIFFERENTIAL MONOCYTES

type: numeric (float)
range: [-1,20] units: 1
unique values: 22 coded missing: 312 / 1038
mean: 5.26446
std. dev: 3.68356
percentiles: 10% 25% 50% 75% 90%
1 3 5 7 10

F82DFATC ----- DIFFERENTIAL ATYPICAL CELLS

type: numeric (float)
range: [-1,9] units: 1
unique values: 9 coded missing: 333 / 1038
mean: .222695
std. dev: .820578
percentiles: 10% 25% 50% 75% 90%
0 0 0 0 1

CODEBOOK FOR CSSCD FORM 82

PREGNANCY FORM - PAGE 6

CSSCD FULL COHORT PATIENTS

F82DFMM ----- DIFFERENTIAL METAMYELOCYTES-MYELOCYTES

type: numeric (float)

range: [0,6] units: 1
 unique values: 7 coded missing: 334 / 1038

mean: .119318
 std. dev: .543914

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

F82NRB ----- NUCLEATED RED BLOOD CELLS

type: numeric (float)

range: [-1,99] units: 1
 unique values: 44 coded missing: 336 / 1038

mean: 2.99003
 std. dev: 8.17767

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

F82URPRO ----- URINALYSIS PROTEIN

type: numeric (float)
 label: F82URPRO

range: [1,6] units: 1
 unique values: 6 coded missing: 178 / 1038

tabulation:	Freq.	Numeric	Label
	720	1	NEG
	59	2	TRACE
	42	3	1+
	21	4	2+
	14	5	3+
	4	6	4+

F82URGLC ----- GLUCOSE

type: numeric (float)
 label: F82URGLC

range: [1,2] units: 1
 unique values: 2 coded missing: 180 / 1038

tabulation:	Freq.	Numeric	Label
	847	1	NEG
	11	2	POS

CODEBOOK FOR CSSCD FORM 82

PREGNANCY FORM - PAGE 6

CSSCD FULL COHORT PATIENTS

F82URMRH ----- URINALYSIS > 5 RBC-HPF

type: numeric (float)
label: F82URMRH

range: [1,2] units: 1
unique values: 2 coded missing: 196 / 1038

tabulation:	Freq.	Numeric	Label
	50	1	PRESENT
	792	2	ABSENT

F82URMWH ----- URINALYSIS > 5 WBC-HPF

type: numeric (float)
label: F82URMWH

range: [1,2] units: 1
unique values: 2 coded missing: 198 / 1038

tabulation:	Freq.	Numeric	Label
	209	1	PRESENT
	631	2	ABSENT

F82URMCH ----- URINALYSIS CASTS-HPF

type: numeric (float)
label: F82URMCH, but 3 values are not labeled

range: [0,16] units: 1
unique values: 9 coded missing: 200 / 1038

tabulation:	Freq.	Numeric	Label
	3	0	PRESENT-? TYPE
	21	1	RBC
	5	2	WBC
	5	4	GRANULAR
	1	6	
	9	8	HYALINE
	1	10	
	8	12	
	785	16	ABSENT

F82URMCH:

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

9.5.1: Cause of Death Form – Form 91

F82URCPN ----- URINE CULTURE RESULTS

type: numeric (float)
label: F82URCPN

range: [1,3] units: 1
unique values: 3 coded missing: 282 / 1038

tabulation:	Freq.	Numeric	Label
	186	1	?? POSITIVE
	413	2	?? NEGATIVE
	157	3	?? NOT DONE

F82URCPN:

1. Required at end of second trimester and just prior to delivery.

F82URCL1 ----- POSITIVE URINE CULTURE ORGANISM

type: numeric (float)

range: [100,9999] units: 1
unique values: 14 coded missing: 988 / 1038

tabulation:	Freq.	Value
	1	100
	1	110
	3	120
	1	160
	2	202
	2	203
	24	401
	1	402
	1	407
	3	408
	1	412
	1	421
	6	9000
	3	9999

F82URCL1:

1. Required only if F82URCPN=1.
2. See Appendix H for pathogen codes.

9.5.1: Cause of Death Form – Form 91

F82URCL2 ----- POSITIVE URINE CULTURE ORGANISM

type: numeric (float)

range: [1,9999] units: 1
unique values: 9 coded missing: 1020 / 1038

tabulation: Freq. Value

1	1
2	110
1	120
1	150
3	202
6	401
1	410
1	487
2	9999

F82URCL2:

1. Required only if F82URCPN=1.
2. See Appendix H for pathogen codes.

F82HBF ----- HB F QUANTITATIVE -1

type: numeric (float)

range: [0,53] units: .1
unique values: 150 coded missing: 621 / 1038

mean: 6.36739
std. dev: 6.16841

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

1	2	4.3	8.5	14.5
---	---	-----	-----	------

F82URES1 ----- URINARY ESTROGENS - ESTRIOL NG-ML

type: numeric (float)

9.5.1: Cause of Death Form – Form 91

range: [3,3950] units: 1
unique values: 20 coded missing: 1018 / 1038

tabulation: Freq. Value

1	3
1	13
1	24
1	37
1	50
1	63
1	125
1	136
1	197
1	207
1	209
1	229
1	267
1	293
1	298
1	340
1	420
1	850
1	1070
1	3950

F82URES1:

1. Required in third trimester.

F82URES2 ----- URINARY ESTROGENS - ESTRONE NG-ML

type: numeric (float)

range: [490,490] units: 10
unique values: 1 coded missing: 1037 / 1038

tabulation: Freq. Value

1	490
---	-----

F82URES2:

1. Required in third trimester.

F82URES3 ----- URINARY ESTROGENS - ESTRODIAL NG-ML

type: numeric (float)

9.5.1: Cause of Death Form – Form 91

Format File: **R72.FMT**

M. Unique Record Identifiers: **ANONID, F72PRGNO**

Records within the dataset are sorted by **ANONID** and **F72PRGNO**.

N. Number of Observations (Patients) in SAS Dataset: 445 (297)

O. Contents of SAS Dataset:

- Alphabetical Listing of Variables: See p. 122
- Listing of Variables by Position: See p. 123

P. Notes About Selected Variables:

- **F72STBID** – is the variable name for the anonymized ID # for an SCD infant who was subsequently enrolled in the CSSCD.

Q. Computed Variables:

- **F72BEGDT** – is the variable name for date pregnancy started. The date was computed using date of last menstrual period, birthdate and gestational age of infant, and/or pregnancy termination and outcome data available (see **F72LMSP, F72SRCBD, F72TERMN, F72TRMDT**).
- **F72TRMDT** – is the variable name for date pregnancy was terminated. If the date was not recorded on a Form 14, Form 25, or Form 83 the date was computed using pregnancy start date, weeks at pregnancy termination, and/or outcome information (see **F72BEGDT, F72SRCTD, F72WEEKS, F72TERMN**).

R. Inter-Relationship with Other Datasets:

1. The following forms/datasets were used as sources for information in R72.SD2:

Phase 1 Forms	SAS Dataset	See Section
Form 82	R82.SD2	9.4.1
Form 14	R14.SD2	2.1
Forms 17, 19, 20, 21, 24	R1722.SD2	4.5
Form 25	R25.SD2	4.6
Form 83	R83.SD2	9.1

2. Pregnancy history information prior to entry was collected on

Phase 1 Forms	SAS Dataset	See Section
Form 10	R29.SD2	2.4

9.5.1: Cause of Death Form – Form 91

CONTENTS OF SAS DATASET: R72.SD2
DATA FROM CSSCD "FORM" 72 - PREGNANCY SUMMARY
VARIABLES ARE LISTED IN ALPHABETICAL ORDER AND IN ORDER OF THEIR POSITION
IN THE SAS DATASET AND ON "FORM" 72
The SAS System 14:00 Wednesday, February 21, 2007 5

The CONTENTS Procedure

Data Set Name	OUT1.R72	Observations	445
Member Type	DATA	Variables	13
Engine	V9	Indexes	0
Created	10:08 Friday, February 16, 2007	Observation Length	112
Last Modified	10:08 Friday, February 16, 2007	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	WINDOWS		
Encoding	wlatin1 Western (Windows)		

Engine/Host Dependent Information

Data Set Page Size	12288
Number of Data Set Pages	5
First Data Page	1
Max Obs per Page	109
Obs in First Data Page	84
Number of Data Set Repairs	0
File Name	r72.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 #
5	F72MAXC	Num	8	MAX CYCLE COMPLETED FOR PREG.

9.5.1: Cause of Death Form – Form 91

6	F72NBRN	Num	8	NUMBER BORN
2	F72PRGNO	Num	8	ONSTUDY PREGNANCY NUMBER
3	F72SRCBD	Num	8	SOURCE FOR PREG. START DATE
7	F72SRCTD	Num	8	SOURCE FOR TERMINATION DATE
8	F72STBAB	Num	8	IS BABY CSSCD PARTICIPANT?
9	F72STBID	Char	8	CSSCD ID NUMBER OF BABY
5	F72TERMN	Num	8	PREGNANCY OUTCOME
10	F72WEEKS	Num	8	WEEKS AT PREGNANCY TERMINATION
11	J72BEGDT	Num	8	DATE PREGNANCY STARTED - RECODE DAYS SINCE DOE
12	J72LST82	Num	8	DATE OF LAST FORM 82 - RECODE DAYS SINCE DOE
13	J72TRMDT	Num	8	DATE PREGNANCY TERMINATED - RECODE DAYS SINCE DOE

```
*****
* R72.FMT contains value labels for numerical codes assigned to
categorical *
* variables in the SAS dataset R72.SD2
*
*****;
```

PROC FORMAT;

* SIR/DBMS 2.2 SAS PROC STEP FROM DATABASE: CSSCD 10/21/99 14:19:49;

VALUE F72SRCBD

1	= 'F72LMSP+14'
2	= 'F14BDAY-GSAGE*7'
3	= 'TRMDT-60'
4	= 'TRMDT-280';

VALUE F72MAXC

10	= 'PREG 1, NO 82S'
11	= 'PREG 1, INITIAL'
12	= 'PREG 1, TRI 1'
13	= 'PREG 1, TRI 2'
14	= 'PREG 1, TRI 3'
15	= 'PREG 1, DELIVERY'
16	= 'PREG 6, INITIAL'
20	= 'PREG 2, NO 82S'
21	= 'PREG 2, INITIAL'
22	= 'PREG 2, TRI 1'
23	= 'PREG 2, TRI 2'
24	= 'PREG 2, TRI 3'
25	= 'PREG 2, DELIVERY'
26	= 'PREG 6, TRI 1'
30	= 'PREG 3, NO 82S'
31	= 'PREG 3, INITIAL'
32	= 'PREG 3, TRI 1'
33	= 'PREG 3, TRI 2'
34	= 'PREG 3, TRI 3'
35	= 'PREG 3, DELIVERY'

SECTION 9.5.1 CAUSE OF DEATH FORM

FORM 91

9.5.1: Cause of Death Form – Form 91

40 = 'PREG 4, NO 82S'
41 = 'PREG 4, INITIAL'
42 = 'PREG 4, TRI 1'
43 = 'PREG 4, TRI 2'
44 = 'PREG 4, TRI 3'
45 = 'PREG 4, DELIVERY'
50 = 'PREG 5, NO 82S'
51 = 'PREG 5, INITIAL'
52 = 'PREG 5, TRI 1'
53 = 'PREG 5, TRI 2'
54 = 'PREG 5, TRI 3'
55 = 'PREG 5, DELIVERY';

VALUE F72TERMN

1 = 'ONGOING'
2 = 'DELIVERED'
5 = 'ABORTION/MISCARRIAGE';

VALUE F72SRCTD

1 = 'F14BDAY'
2 = 'F25PRDEL'
3 = 'BEGDT+280'
4 = 'BEGDT+F82WKS*7'
5 = 'BEGDT+60'
6 = 'F83DATE'
7 = 'FORM 82 NOTE'
8 = 'EDIT 82 NOTE'
9 = 'FORM 91 NOTE';

VALUE F72STBAB

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

* FORMAT

F72SRCBD F72SRCBD.
F72MAXC F72MAXC.
F72TERMN F72TERMN.
F72SRCTD F72SRCTD.
F72STBAB F72STBAB.;

RUN;
QUIT;

9.5.1: Cause of Death Form – Form 91

F72PRGNO ----- ONSTUDY PREGNANCY NUMBER

type: numeric (float)

range: [1,5] units: 1
unique values: 5 coded missing: 0 / 445

tabulation:	Freq.	Value
	297	1
	109	2
	27	3
	10	4
	2	5

F72SRCBD ----- SOURCE FOR PREG. START DATE

type: numeric (float)

label: F72SRCBD

range: [1,4] units: 1
unique values: 4 coded missing: 0 / 445

tabulation:	Freq.	Numeric	Label
	418	1	F72LMSP+14
	4	2	F14BDAY-GSAGE*7
	9	3	TRMDT-60
	14	4	TRMDT-280

F72MAXC ----- MAX CYCLE COMPLETED FOR PREG.

type: numeric (float)

label: F72MAXC

range: [10,52] units: 1
unique values: 23 coded missing: 0 / 445

tabulation:	Freq.	Numeric	Label
	15	10	PREG 1, NO 82S
	25	11	PREG 1, INITIAL
	57	12	PREG 1, TRI 1
	11	13	PREG 1, TRI 2
	17	14	PREG 1, TRI 3
	172	15	PREG 1, DELIVERY
	10	20	PREG 2, NO 82S

9.5.1: Cause of Death Form – Form 91

7 8 EDIT 82 NOTE
1 9 FORM 91 NOTE

F72STBAB ----- IS BABY CSSCD PARTICIPANT?

type: numeric (float)
label: F72STBAB

range: [1,3] units: 1
unique values: 3 coded missing: 2 / 445

tabulation:	Freq.	Numeric	Label
	270	1	NO
	14	2	YES
	159	3	NA

F72WEEKS ----- WEEKS AT PREGNANCY TERMINATION

type: numeric (float)

range: [1,30] units: 1
unique values: 24 coded missing: 312 / 445

tabulation:	Freq.	Value
	4	1
	1	4
	3	5
	5	6
	7	7
	35	8
	11	9
	11	10
	2	11
	11	12
	8	13
	8	14
	2	15
	6	16
	2	17
	2	18
	3	19
	5	20
	1	21
	2	22
	1	23
	1	26
	1	29
	1	30

F72WEEKS:

1. Equals F82WKS if F72TERMN=3 or 4.

_dta:

1. Created 10/29/99.

9.5.1: Cause of Death Form – Form 91

- A. List of variables deleted **F91INIT F91NDATE F91LASTU F91LASTE
F91ESTAT F91VDATE F91DFC F91FCB F91DCN F91DATE F91INST
F81CITY F91STATE**
- 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 **F91DATE**
- H. New name **JF91DATE**
- I. Collection Information:
 Form 91 (Cause of Death Form) was to be completed within 30 days after being informed of a patient's death.
- J. Data Collection Period: 03/79 – 09/88
- K. Form Version Dates: 03/01/79
- L. Files Used to Store Information:
 SAS System File: **R91.SD2**
 Format File: **R91.FMT**
- M. Unique Record Identifiers: **ANONID**
- N. Number of Observations (Patients) in SAS Dataset: 274 (274)
- O. Contents of SAS Dataset:
- Alphabetical Listing of Variables: See pp. 131-132
 - Listing of Variables by Position: See p. 133
- P. Notes About Selected Variables: None
- Q. Computed Variables: None
- R. Inter-Relationship With Other Datasets:
- Cause of death information is also stored in **R89.SD2** and **R93.SD2**.
 - Date of death is also stored in the "roster" dataset **R09.SD2**: if **STATUS=5**, then **STATUSD** is the date of death.

CODEBOOK FOR CSSCD FORM 91

CAUSE OF DEATH FORM

CSSCD FULL COHORT PATIENTS

CONTENTS OF SAS DATASET: R91.SD2
DATA FROM CSSCD FORM 91 - CAUSE OF DEATH FORM
VARIABLES ARE LISTED IN ALPHABETICAL ORDER AND IN ORDER OF THEIR POSITION
IN THE SAS DATASET AND ON FORM 91
The SAS System 14:00 Wednesday, February 21, 2007 6

The CONTENTS Procedure

Data Set Name	OUT1.R91	Observations	274
Member Type	DATA	Variables	16
Engine	V9	Indexes	0
Created	10:59 Thursday, February 15, 2007	Observation Length	128
Last Modified	10:59 Thursday, February 15, 2007	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	WINDOWS		
Encoding	wlatin1 Western (Windows)		

Engine/Host Dependent Information

Data Set Page Size	12288
Number of Data Set Pages	4
First Data Page	1
Max Obs per Page	95
Obs in First Data Page	72
Number of Data Set Repairs	0
File Name	r91.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 #
7	F91ATPR	Num	8	AUTOPSY REPORT RECEIVED
6	F91ATPSY	Num	8	AUTOPSY DONE
8	F91CAUSE	Num	8	GENERAL CAUSE OF DEATH
3	F91CERT	Num	8	DEATH CERTIFICATE AVAILABLE
4	F91CERTR	Num	8	DEATH CERTIFICATE RECEIVED
14	F91CHFW	Num	8	REASON FOR CHF
15	F91EVNT	Num	8	EVENTS SINCE LAST STUDY VISIT
9	F91IMCSE	Num	8	IMMEDIATE CAUSE OF DEATH
5	F91INFO	Num	8	SOURCE OF INFORMATION REGARDING DEATH
12	F91MENOR	Num	8	MENINGITIS ORGANISM
13	F91MENS	Num	8	MENINGITIS PNEUMOCOCCAL SEROTYPE
10	F91SEPOR	Num	8	SEPSIS ORGANISM
11	F91SEPSR	Num	8	SEPSIS PNEUMOCOCCAL SEROTYPE
2	F91TOD	Num	8	TIME OF DEATH
16	JF91DATE	Num	8	DATE OF DEATH - RECODE DAYS SINCE DOE

CODEBOOK FOR CSSCD FORM 91

CAUSE OF DEATH FORM

CSSCD FULL COHORT PATIENTS

* R91.FMT contains value labels for numerical codes assigned to categorical*

* variables in the SAS dataset R91.SD2

*

*****;

* SIR/DBMS 2.2 SAS PROC STEP FROM DATABASE: CSSCD 06/12/99 12:58:49;

PROC FORMAT;

* FORMAT F91CERT IS DEFINED FOR VARIABLE F91CERT;

VALUE F91CERT

1 = 'NOT AVAILABLE'
2 = 'AVAILABLE';

* FORMAT F91CERTR IS DEFINED FOR VARIABLE F91CERTR;

VALUE F91CERTR

1 = 'NOT RECEIVED'
2 = 'RECEIVED';

* FORMAT F91INFO IS DEFINED FOR VARIABLE F91INFO;

VALUE F91INFO

1 = 'MEMBER OF IMMEDIATE FAMILY'
2 = 'FRIEND, CO-WORKER'
4 = 'MEDICAL PERSONNEL'
8 = 'MEDICAL RECORDS'
16 = 'OTHER';

* FORMAT F91ATPSY IS DEFINED FOR VARIABLE F91ATPSY;

VALUE F91ATPSY

1 = 'AUTOPSY NOT PERFORMED'
2 = 'AUTOPSY PERFORMED';

* FORMAT F91ATPR IS DEFINED FOR VARIABLE F91ATPR;

VALUE F91ATPR

1 = 'NOT RECEIVED'
2 = 'RECEIVED'
3 = 'NA';

* FORMAT F91CAUSE IS DEFINED FOR VARIABLE F91CAUSE;

VALUE F91CAUSE

1 = 'MENINGITIS'

SECTION 9.5.1 CAUSE OF DEATH FORM

FORM 91

CODEBOOK FOR CSSCD FORM 91
CAUSE OF DEATH FORM
CSSCD FULL COHORT PATIENTS

2	=	'INFECTION, NOT MENINGITIS'
3	=	'SCD RELATED'
4	=	'NON-SCD RELATED-MEDICAL'
5	=	'UNKNOWN'
6	=	'ACCIDENT';

* FORMAT F91IMCSE IS DEFINED FOR VARIABLE F91IMCSE;

VALUE F91IMCSE

1	=	'SEPSIS'
2	=	'SPLENIC SEQUESTRATION'
4	=	'CVA'
8	=	'RENAL FAILURE'
16	=	'PULMONARY INFARCT'
32	=	'PNEUMONIA'
64	=	'MENINGITIS'
128	=	'POST-OP COMPLICATION'
256	=	'CHF'
512	=	'OTHER';

* FORMAT F91SEPSR IS DEFINED FOR VARIABLE F91SEPSR;

VALUE F91SEPSR

999	=	'SEROTYPING NOT DONE';
-----	---	------------------------

* FORMAT F91MENSR IS DEFINED FOR VARIABLE F91MENSR;

VALUE F91MENSR

999	=	'SEROTYPING NOT DONE';
-----	---	------------------------

* FORMAT F91CHFW IS DEFINED FOR VARIABLE F91CHFW;

VALUE F91CHFW

1	=	'ANEMIC EPISODE'
2	=	'CHRONIC PULMONARY DISEA'
3	=	'MYOCARDIAL INFARCT'
4	=	'OTHER REASON';

* FORMAT F91EVNT IS DEFINED FOR VARIABLE F91EVNT;

VALUE F91EVNT

1	=	'NO'
2	=	'YES';

* FORMAT

F91CERT F91CERT.
F91CERTR F91CERTR.
F91INFO F91INFO.
F91ATPSY F91ATPSY.

CODEBOOK FOR CSSCD FORM 91

CAUSE OF DEATH FORM

CSSCD FULL COHORT PATIENTS

F91ATPR F91ATPR.
F91CAUSE F91CAUSE.
F91IMCSE F91IMCSE.
F91SEPSR F91SEPSR.
F91MENSR F91MENSR.
F91CHFW F91CHFW.;

RUN;
QUIT;

9.5.3: Cause of Death Adjudications – “Form” 93

```

tabulation:  Freq.  Value
              18  52
              2   71
              21  80
              33 141
              20 156
              1  182
              38 219
              2  246
              11 312
              1  315
              1  320
              8  326
              14 330
              22 340
              3  346
              4  347
              44 362
              3  390
              17 507
              2  517
              1  546
              1  580
              1  805
              1  899
              1  999
    
```

F91STATE:

1. See APPENDIX B for state codes.

F91CERT ----- DEATH CERTIFICATE AVAILABLE

```

      type: numeric (float)
      label: F91CERT

      range: [1,2]                units: 1
unique values: 2                  coded missing: 10 / 274
    
```

```

tabulation:  Freq.  Numeric  Label
              142      1  NOT AVAILABLE
              122      2  AVAILABLE
    
```

F91CERTR ----- DEATH CERTIFICATE RECEIVED

```

      type: numeric (float)
      label: F91CERTR

      range: [1,2]                units: 1
unique values: 2                  coded missing: 0 / 274
    
```

```

tabulation:  Freq.  Numeric  Label
              181      1  NOT RECEIVED
              93       2  RECEIVED
    
```

F91CERTR:

1. No corresponding question on FORM 91

9.5.3: Cause of Death Adjudications – “Form” 93

F91INFO ----- SOURCE OF INFORMATION REGARDING DEATH

type: numeric (float)
label: F91INFO

range: [1,31] units: 1
unique values: 14 coded missing: 7 / 274

tabulation:	Freq.	Numeric	Label
	69	1	MEMBER OF IMMEDIATE FAMILY(1)
	15	2	FRIEND,CO-WORKER(2)
	1	3	
	60	4	MEDICAL PERSONNEL(3)
	5	5	
	1	6	
	59	8	MEDICAL RECORDS(8)
	9	9	
	1	10	
	33	12	
	5	13	
	3	14	
	5	16	OTHER(16)
	1	31	

F91INFO:

1. BINARY CODED VARIABLE: See explanation for 'binary coding' in PART II.

F91ATPSY ----- AUTOPSY DONE

type: numeric (float)
label: F91ATPSY

range: [1,2] units: 1
unique values: 2 coded missing: 22 / 274

tabulation:	Freq.	Numeric	Label
	136	1	AUTOPSY NOT PERFORMED
	116	2	AUTOPSY PERFORMED

F91ATPR ----- AUTOPSY REPORT RECEIVED

type: numeric (float)
label: F91ATPR

range: [1,3] units: 1
unique values: 3 coded missing: 40 / 274

tabulation:	Freq.	Numeric	Label
	31	1	NOT RECEIVED
	85	2	RECEIVED
	118	3	NA

F91ATPR:

1. No corresponding question on FORM 91

F91CAUSE ----- GENERAL CAUSE OF DEATH

type: numeric (float)

9.5.3: Cause of Death Adjudications – “Form” 93

label: F91CAUSE

range: [1,6] units: 1
 unique values: 6 coded missing: 23 / 274

tabulation:	Freq.	Numeric	Label
	10	1	MENINGITIS
	30	2	INFECTION, NOT MENINGITIS
	97	3	SCD RELATED
	47	4	NON-SCD RELATED-MEDICAL
	50	5	UNKNOWN
	17	6	ACCIDENT

F91IMCSE ----- IMMEDIATE CAUSE OF DEATH

type: numeric (float)

label: F91IMCSE

range: [1,1024] units: 1
 unique values: 39 coded missing: 49 / 274

tabulation:	Freq.	Numeric	Label
	23	1	SEPSIS(1)
	3	2	SPLenic SEQUESTRATION(2)
	23	4	CVA(4)
	8	8	RENAL FAILURE(8)
	1	9	
	1	12	
	8	16	PULMONARY INFARCT(16)
	11	32	PNEUMONIA(32)
	2	33	
	1	35	
	1	40	
	2	41	
	1	48	
	2	64	MENINGITIS(64)
	5	65	
	1	97	
	3	128	POST-OP COMPLICATION(128)
	1	160	
	28	256	CHF(256)
	1	257	
	3	264	
	3	272	
	1	297	
	1	313	
	1	384	
	66	512	OTHER(512)
	4	513	
	4	516	
	4	520	
	1	544	
	1	609	
	2	640	
	1	641	
	1	768	
	1	776	
	1	800	

9.5.3: Cause of Death Adjudications – “Form” 93

1 801
1 809
2 1024

F91IMCSE:

1. BINARY CODED VARIABLE: See explanation for 'binary coding' in PART II.

F91SEPOR ----- SEPSIS ORGANISM

type: numeric (float)

range: [105,9000] units: 1
unique values: 10 coded missing: 234 / 274

tabulation: Freq. Value

2	105
1	160
25	170
4	401
1	404
1	408
3	1200
1	2200
1	3100
1	9000

F91SEPOR:

1. See Appendix H - PATHOGEN LIST

F91SEPSR ----- SEPSIS PNEUMOCOCCAL SEROTYPE

type: numeric (float)

label: F91SEPSR

range: [4,999] units: 1
unique values: 7 coded missing: 264 / 274

tabulation: Freq. Numeric Label

1	4	
2	6	
1	14	
1	15	
1	19	
1	998	
3	999	SEROTYPING NOT DONE

F91SEPSR:

1. No corresponding question on FORM 91
2. Required only if F91SEPOR=170

F91MENOR ----- MENINGITIS ORGANISM

type: numeric (float)

range: [170,170] units: 10

9.5.3: Cause of Death Adjudications – “Form” 93

- D. Old name
- E. New name
- F. List of variables modified date to days since DOE **NONE**
- G. Old name
- H. New name
- I. Collection Information:

The “Cause of Death Adjudications” dataset was constructed for HbSS patients who died at less than 20 years of age and 2 matched controls (controls were matched for entry age, sex, and entry date) to facilitate retrieval of data used for analysis of risk factors for death by age 20. Accident and trauma death patients are not included. Cause of death was determined by Dr. Sanford Leiken who reviewed medical records for all deaths.

- J. Data Collection Period: 03/79 – 08/87
- K. Form Version Dates: N/A
- L. Files Used to Store Information:
SAS System File: **R93.SD2**
Format File: **R93.FMT**
- M. Unique Record Identifier: **ANONID**
- N. Number of Observations (Patients) in SAS Dataset: 171 (171)

The dataset includes 57 patients who died (**CASEPT=1**) and 114 controls (**CASEPT=0**).

- O. Contents of SAS Dataset:
- Alphabetical Listing of Variables: See p. 154
 - Listing of Variables by Position: See p. 155
- P. Notes About Selected Variables:
- **CASEGC, CASESC1-4, CASEF1-4** – are names for cause of death or findings at death variables. The values for control patients are the same as those for the case patient with whom they were matched. The variable **CASEPT** should be used to select only the case patients (if **CASEPT=1**).

- Q. Inter-Relationship With Other Datasets:

9.5.3: Cause of Death Adjudications – “Form” 93

- Cause of death information, based on local reporting, is stored in **R91.SD2** and **R89.SD2**.
- Date of death is stored in the “roster” dataset **R09.SD2**: if **STATUS=5**, then **STATUSD** is the date of death.

CODEBOOK FOR CSSCD "FORM" 93
CENTRALLY REVIEWED DEATH SUMMARY RECORDS FOR SS PATIENT WHO DIED AT
< 20 YEARS OF AGE, WITH CONTROL INFORMATION
 CSSCD FULL COHORT PATIENTS

CONTENTS OF SAS DATASET: R93.SD2

DATA FROM CSSCD "FORM" 93 - CENTRALLY REVIEWED DEATH SUMMARY RECORDS
 FOR SS PATIENTS WHO DIED AT < 20 YEARS OF AGE, WITH CONTROL INFORMATION
 VARIABLES ARE LISTED IN ALPHABETICAL ORDER AND IN ORDER OF THEIR POSITION
 IN THE SAS DATASET

The SAS System 14:00 Wednesday, February 21, 2007 7

The CONTENTS Procedure

Data Set Name	OUT1.R93	Observations	171
Member Type	DATA	Variables	14
Engine	V9	Indexes	0
Created	11:48 Thursday, February 15, 2007	Observation Length	112
Last Modified	11:48 Thursday, February 15, 2007	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	WINDOWS		
Encoding	wlatin1 Western (Windows)		

Engine/Host Dependent Information

Data Set Page Size	12288
Number of Data Set Pages	2
First Data Page	1
Max Obs per Page	109
Obs in First Data Page	84
Number of Data Set Repairs	0
File Name	r93.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 #
10	CASEF1	Num	8	FINDING AT DEATH OF CASE PATIENT
11	CASEF2	Num	8	FINDING AT DEATH OF CASE PATIENT
12	CASEF3	Num	8	FINDING AT DEATH OF CASE PATIENT
13	CASEF4	Num	8	FINDING AT DEATH OF CASE PATIENT
5	CASEGC	Num	8	GENERAL CAUSE OF DEATH OF CASE PATIENT
4	CASEPT	Num	8	DEATH STATUS CATEGORY
14	CASEPTID	Char	8	ANONYMIZED ID # OF CASE PATIENT
6	CASESC1	Num	8	SPECIFIC CAUSE OF DEATH OF CASE PATIENT
7	CASESC2	Num	8	SPECIFIC CAUSE OF DEATH OF CASE PATIENT
8	CASESC3	Num	8	SPECIFIC CAUSE OF DEATH OF CASE PATIENT
9	CASESC4	Num	8	SPECIFIC CAUSE OF DEATH OF CASE PATIENT
3	CONTFOR	Num	8	DEATH CASE NUMBER
2	F93FTYPE	Char	1	FORM TYPE - ORIGINAL OR UPDATE

CODEBOOK FOR CSSCD "FORM" 93
CENTRALLY REVIEWED DEATH SUMMARY RECORDS FOR SS PATIENT WHO DIED AT
< 20 YEARS OF AGE, WITH CONTROL INFORMATION
CSSCD FULL COHORT PATIENTS

* R93.FMT contains value labels for numerical codes assigned to categorical *
* variables in the SAS dataset R93.SD2 *
*****;

* SIR/DBMS 2.2 SAS PROC STEP FROM DATABASE: CSSCD 08/22/99 11:01:23;

PROC FORMAT PRINT;

* FORMAT CASEPT IS DEFINED FOR VARIABLE CASEPT;

VALUE CASEPT

0 = 'CONTROL PATIENT'
1 = 'PATIENT WHO DIED';

* FORMAT CASEGC IS DEFINED FOR VARIABLE CASEGC;

VALUE CASEGC

1 = 'BACTERIAL INFECT'
2 = 'CVA'
3 = 'ACCIDENT OR TRAUMA'
4 = 'OTHER'
9 = 'UNKNOWN, REVIEWED'
10 = 'UNKNOWN, NO REVIEW';

CODEBOOK FOR CSSCD "FORM" 93
CENTRALLY REVIEWED DEATH SUMMARY RECORDS FOR SS PATIENT WHO DIED AT
< 20 YEARS OF AGE, WITH CONTROL INFORMATION
 CSSCD FULL COHORT PATIENTS

* FORMAT CAUSE IS DEFINED FOR VARIABLES CASESC1 CASESC2 CASESC3 CASESC4
 CASEF1 CASEF2 CASEF3 CASEF4;

VALUE	CAUSE
100	= 'SEPSIS'
101	= 'S. PNEUMONIAE SEPSIS'
102	= 'H. FLU SEPSIS'
103	= 'SALMONELLA SEPSIS'
110	= 'MENINGITIS'
111	= 'S. PNEUM. MENING'
112	= 'H. FLU MENING'
113	= 'SALMONELLA MENING'
120	= 'PNEUMONIA'
121	= 'KLEBSIELLA PNEUMONIA'
130	= 'MALARIA'
140	= 'DIC'
200	= 'CVA'
210	= 'CVA-THROMBOTIC'
220	= 'CVA-HEMORRHAGIC'
230	= 'CVA-THROMB & HEM'
300	= 'ACCIDENT OR TRAUMA'
310	= 'GUNSHOT WOUND'
320	= 'MOTOR VEHICLE'
330	= 'DROWNING'
340	= 'FIRE'
350	= 'MUTILATION-STABBING'
400	= 'OTHER'
410	= 'SPLENIC SEQUESTRATION'
420	= 'SEVERE ANEMIA'
421	= 'HEMOLYT TX REACTION'
430	= 'CHRONIC RENAL FAILUR'
440	= 'RESP COMPL 2 TO AIDS'
441	= 'OPPORTUN RESP INFECT'
450	= 'ACUTE CHEST SYNDROME'
451	= 'PULM. THROMBOSIS'
452	= 'PULM. CONGESTION'
453	= 'PULM. EDEMA'
454	= 'TRACHEOBRONCHITIS'
490	= 'LIVER CONGESTION'
491	= 'LYMPHOPROLF DISORDER'
492	= 'CEREBRAL EDEMA'
493	= 'LIVER SEQUESTRATION'
900	= 'UNKNOWN, REVIEWED'
1000	= 'UNKNOWN, NO REVIEW';

CODEBOOK FOR CSSCD "FORM" 93
CENTRALLY REVIEWED DEATH SUMMARY RECORDS FOR SS PATIENT WHO DIED AT
< 20 YEARS OF AGE, WITH CONTROL INFORMATION
 CSSCD FULL COHORT PATIENTS

CONTFOR ----- DEATH CASE NUMBER

type: numeric (float)

range: [1,63] units: 1
 unique values: 57 coded missing: 0 / 171

tabulation:	Freq.	Value	
	3	1	3 51
	3	3	3 52
	3	4	3 53
	3	5	3 54
	3	6	3 55
	3	7	3 56
	3	8	3 58
	3	9	3 59
	3	10	3 60
	3	11	3 61
	3	12	3 62
	3	13	3 63
	3	14	
	3	15	
	3	16	
	3	18	
	3	19	
	3	20	
	3	21	
	3	22	
	3	23	
	3	24	
	3	25	
	3	26	
	3	29	
	3	30	
	3	31	
	3	32	
	3	33	

tabulation:	Freq.	Value
	3	34
	3	35
	3	36
	3	37
	3	38
	3	39
	3	40
	3	41
	3	42
	3	44
	3	45
	3	46
	3	47
	3	48
	3	49
	3	50

9.0: Interactive Events - Overview

CASEPT ----- DEATH STATUS CATEGORY

type: numeric (float)
label: CASEPT

range: [0,1] units: 1
unique values: 2 coded missing: 0 / 171

tabulation:	Freq.	Numeric	Label
	114	0	CONTROL PATIENT
	57	1	PATIENT WHO DIED

9.0: Interactive Events - Overview

CASEGC ----- GENERAL CAUSE OF DEATH OF CASE PATIENT

type: numeric (float)
label: CASEGC

range: [1,9] units: 1
unique values: 4 coded missing: 0 / 171

tabulation:	Freq.	Numeric	Label
	75	1	BACTERIAL INFECT
	24	2	CVA
	24	4	OTHER
	48	9	UNKNOWN, REVIEWED

CASESC1 ----- SPECIFIC CAUSE OF DEATH OF CASE PATIENT

type: numeric (float)
label: CASESC1

range: [100,450] units: 1
unique values: 12 coded missing: 57 / 171

tabulation:	Freq.	Numeric	Label
	6	100	SEPSIS
	65	101	S. PNEUMONIAE SEPSIS
	6	102	H. FLU SEPSIS
	3	103	SALMONELLA SEPSIS
	1	111	S. PNEUM. MENING
	6	120	PNEUMONIA
	6	220	CVA-HEMORRHAGIC
	3	410	SPLENIC SEQUESTRATION
	3	421	HEMOLYT TX REACTION
	3	430	CHRONIC RENAL FAILUR
	3	440	RESP COMPL 2 TO AIDS
	9	450	ACUTE CHEST SYNDROME

CASESC2 ----- SPECIFIC CAUSE OF DEATH OF CASE PATIENT

type: numeric (float)
label: CASESC2

range: [110,452] units: 1
unique values: 6 coded missing: 135 / 171

tabulation:	Freq.	Numeric	Label
	6	110	MENINGITIS
	3	111	S. PNEUM. MENING
	12	120	PNEUMONIA
	9	140	DIC
	3	450	ACUTE CHEST SYNDROME
	3	452	PULM. CONGESTION

9.0: Interactive Events - Overview

CASESC3 ----- SPECIFIC CAUSE OF DEATH OF CASE PATIENT

type: numeric (float)
label: CASESC3

range: [120,410] units: 10
unique values: 2 coded missing: 165 / 171

tabulation:	Freq.	Numeric	Label
	3	120	PNEUMONIA
	3	410	SPLenic SEQUESTRATION

CASESC4 ----- SPECIFIC CAUSE OF DEATH OF CASE PATIENT

type: numeric (float)
label: CASESC4

range: [.,.] units: .
unique values: 0 coded missing: 171 / 171

tabulation:	Freq.	Numeric	Label
-------------	-------	---------	-------

CASEF1 ----- FINDING AT DEATH OF CASE PATIENT

type: numeric (float)
label: CASEF1

range: [110,441] units: 1
unique values: 4 coded missing: 147 / 171

tabulation:	Freq.	Numeric	Label
	3	110	MENINGITIS
	3	120	PNEUMONIA
	15	140	DIC
	3	441	OPPORTUN RESP INFECT

CASEF2 ----- FINDING AT DEATH OF CASE PATIENT

type: numeric (float)
label: CASEF2

range: [.,.] units: .
unique values: 0 coded missing: 171 / 171

tabulation:	Freq.	Numeric	Label
-------------	-------	---------	-------

CASEF3 ----- FINDING AT DEATH OF CASE PATIENT

type: numeric (float)
label: CASEF3

range: [.,.] units: .
unique values: 0 coded missing: 171 / 171

tabulation:	Freq.	Numeric	Label
-------------	-------	---------	-------

