CONTENTS OF SAS DATASET: R75.SD2

DATA FROM CSSCD FORMS 12, 20, 22, 75 - CHEST AND SHOULDER X-RAY REPORT VARIABLES ARE LISTED IN ALPHABETICAL ORDER AND IN ORDER OF THEIR POSITION IN THE SAS DATASET AND ON THE FORMS

The SAS System

10:22 Tuesday, October 31, 2006

#### The CONTENTS Procedure

Data Set Name Member Type Engine	OUT1.R75 DATA V9	Observations Variables Indexes	5483 16 0
Created Last Modified Protection Data Set Type Label	15:55 Tuesday, October 24, 2006 15:55 Tuesday, October 24, 2006	Observation Length Deleted Observations Compressed Sorted	128 0 NO NO
Data Representation	WINDOWS		

Encoding wlatin1 Western (Windows)

#### Engine/Host Dependent Information

Data Set Page Size	12288
Number of Data Set Pages	58
First Data Page	1
Max Obs per Page	95
Obs in First Data Page	73
Number of Data Set Repairs	0

File Name r75.sas7bdat
Release Created 9.0000M0
Host Created XP\_PR0

#### Alphabetic List of Variables and Attributes

#	Variable	Туре	Len	Label
1	ANONID	Char	8	ANONYMIZED ID #
6	AVNCR	Num	8	AVASCULAR NECROSIS SHOULDER
5	BNABN	Num	8	BONE ABNORMALITIES
2	CARD	Num	8	CARDIOMEGALY
12	CTR	Num	8	C-T RATIO
9	CYSL	Num	8	SHOULDER CYSTIC LESIONS
14	F75FORM	Num	8	FORM ON WHICH DATA WAS SENT IN
13	F75RPT	Num	8	X-RAY REPORT RECEIVED
11	FMDEF	Num	8	FISH-MOUTH DEFORMITY
10	GNOST	Num	8	GENERALIZED OSTEOPOROSIS
15	<b>JCHXR</b>	Num	8	DATE CHEST X-RAY - RECODE DAYS SINCE DOE
16	JSXRAYDT	Num	8	DATE OF SHOULDER X-RAY - RECODE DAYS SINCE DOE
3	LNGIN	Num	8	LUNG INFILTRATE
4	PLEFF	Num	8	PLEURAL EFFUSION
8	SCLR	Num	8	SHOULDER SCLEROSIS
7	SHPROS	Num	8	SHOULDER PROSTHESIS

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \* R75.FMT contains value labels for numerical codes assigned to cagegorical \* \* variables in the SAS dataset R75.SD2 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \*\*\*\*; \* SIR/DBMS 2.2 SAS PROC STEP FROM DATABASE: CSSCD 07/01/99 14:12:31; PROC FORMAT; \* FORMAT QUEST is used for the following variables: CARD BNABN CYSL GNOST FMDEF; VALUE QUEST = 'YES' 1 2 = 'NO' 3 = '??'; \* FORMAT T4X IS DEFINED FOR VARIABLE LNGIN; VALUE T4X 1 = 'LT-UPPER LOBE' 2 = 'LT-LINGULA' = 'LT-LOWER LOBE' 4 8 = 'RT-UPPER LOBE' 16 = 'RT-MIDDLE LOBE' 32 = 'RT-LOWER LOBE' 64 = 'NO' 0 = 'YES,SITE MISSING'; \* FORMAT T5X IS DEFINED FOR VARIABLE PLEFF; VALUE T5X = 'RIGHT' 1 2 = 'LEFT' 3 = 'BOTH' = 'NO' 4 0 = 'YES,SITE MISSING'; \* FORMAT T8X IS DEFINED FOR VARIABLE SHPROS; VALUE T8X = 'RIGHT' 1 = 'LEFT' 2 3 = 'BOTH'

4 = 'NO'; \* FORMAT T13X IS DEFINED FOR VARIABLE F75RPT; VALUE T13X = 'YES' 1 2 = 'NO'; \* FORMAT T14X IS DEFINED FOR VARIABLE F75FORM; VALUE T14X 12 = '12-INTAKE LAB' = '20-SECOND ANNUAL' 20 22 = '22-THIRD ANNUAL' 75 = '75-X-RAY FORM'; \* FORMAT T2X. CARD BNABN AVNCR SCLR CYSL GNOST FMDEF QUEST. LNGIN T4X. PLEFF T5X. SHPROS T8X. F75RPT T13X. F75FORM T14X.; RUN; QUIT; F75VDATE ------ VERSION DATE DELETED type: numeric (float) label: datelab range: [7662,8629] units: 1 unique values: 2 coded missing: 5453 / 5483 tabulation: Freq. Numeric Label 21 7662 12/23/80 9 8629 08/17/83 CARD ----- CARDIOMEGALY type: numeric (float) label: CARD range: [1,2] units: 1
unique values: 2 coded missing: 1248 / 5483 tabulation: Freq. Numeric Label 2056 1 YES 2179 2 NO

```
LNGIN ------ LUNG INFILTRATE
            type: numeric (float)
            label: LNGIN
            range: [0,64] units: 1
coded missing: 1194 / 5483
      unique values: 24
        tabulation: Freq. Numeric Label
                       0 YES,SITE MISSING(0)
                    16
                          1 LT-UPPER LOBE(1)
                    7
                           2 LT-LINGULA(2)
                    7
                    19
                           4 LT-LOWER LOBE(4)
                     1
                            5
                     1
                     1
                           7
                    18 8 RT-UPPER LOBE(8)
3 9
                     1
                           12
                    12
                         16 RT-MIDDLE LOBE(16)
                    2
                           19
                    1
                           27
                          32 RT-LOWER LOBE(32)
                    33
                            36
                    34
```

2	38	
1	40	
1	44	
3	48	
1	52	
2	54	
1	62	
11	63	
4111	64	NO(64)

#### LNGIN:

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

PLEFF ------ PLEURAL EFFUSION

type: numeric (float)

label: PLEFF

range: [0,4] units. . coded missing: 1196 / 5483 unique values: 5

tabulation: Freq. Numeric Label

3 0 YES, SITE MISSING

24 1 RIGHT
14 2 LEFT
10 3 BOTH
4236 4 NO

BNABN ----- BONE ABNORMALITIES

type: numeric (float)

label: BNABN

range: [1,2] units: 1 unique values: 2 coded missing: 2763 / 5483

tabulation: Freq. Numeric Label

417 1 YES 2303 2 NO

AVNCR ----- AVASCULAR NECROSIS SHOULDER

type: numeric (float)

label: AVNCR

range: [1,3] units: 1 unique values: 3 coded missing: 473 / 5483

tabulation: Freq. Numeric Label

335 1 YES 4658 2 NO 17 3 ??

SHPROS ----- SHOULDER PROSTHESIS

type: numeric (float)

label: SHPROS

range: [1,4] units: 1
unique values: 2 coded missing: 4573 / 5483

tabulation: Freq. Numeric Label
2 1 RIGHT
908 4 NO

SCLR ------ SHOULDER SCLEROSIS

type: numeric (float)

label: SCLR

range: [1,2] units: 1 values: 2 coded missing: 603 / 5483 unique values: 2

tabulation: Freq. Numeric Label

486 1 YES 4394 2 NO

CYSL ----- SHOULDER CYSTIC LESIONS

type: numeric (float)

label: CYSL

range: [1,2] units: 1

coded missing: 644 / 5483 unique values: 2

tabulation: Freq. Numeric Label

100 1 YES 4739 2 NO

GNOST ----- GENERALIZED OSTEOPOROSIS

type: numeric (float)

label: GNOST

range: [1,2] units: 1
values: 2 coded missing: 2820 / 5483 unique values: 2

tabulation: Freq. Numeric Label

285 1 YES 2378 2 NO

FMDEF ------ FISH-MOUTH DEFORMITY

type: numeric (float)

label: FMDEF

range: [1,2] units. .
values: 2 coded missing: 2832 / 5483 unique values: 2

tabulation: Freq. Numeric Label

1 YES 385 2266 2 NO

CTR ----- C-T RATIO

type: numeric (float)

range: [.3,.81] units: .01 /alues: 43 coded missing: 4177 / 5483

unique values: 43

mean: .523714 std. dev: .062729

10% 25% 50% 75% .45 .49 .52 .56 percentiles: 75% 90%

.6

F75RPT ----- X-RAY REPORT RECEIVED

type: numeric (float)

label: F75RPT

range: [1,2] units: 1

unique values: 2 coded missing: 3568 / 5483

tabulation: Freq. Numeric Label

1256 1 YES 659 2 NO

F75FORM ----- FORM ON WHICH DATA WAS SENT IN

type: numeric (float)

label: F75FORM

range: [12,75] units: 1

unique values: 4 coded missing: 0 / 5483

tabulation: Freq. Numeric Label

2927 12 12-INTAKE LAB 110 20 20-SECOND ANNUAL 1510 22 22-THIRD ANNUAL 936 75 75-X-RAY FORM

\_dta:

1. Created 08/01/00.

- A. <u>List of variables deleted</u> **CHXR F75INIT F75NDATE F75LASTU F75LASTE F75ESTAT F75VDATE F75FCB SXRAYDT**
- B. List of variables modified **NONE**
- C. List of variables modified with a name change **NONE**
- D. Old name
- E. New name
- F. <u>List of variables modified date to days since DOE</u>
- G. Old name CHXR SXRAYDT
- H. New name **JCHXR JSXRAYDT**
- I. Collection Information:

Form 75 (Chest, Shoulder, Hip X-Ray Report Form) was to be filled out whenever a study chest x-ray, shoulder x-ray, or hip and pelvis x-ray (see Section

6.4) was completed. Chest and shoulder x-rays were required at entry or age 1 at the earliest. They were required at the second annual visit only if not done at entry. During the extension, shoulder x-rays were to be repeated on patients ≥ 10 years of age if the last x-ray was done more than 4 years ago. During the exit period which began in May of 1986, repeat x-rays were required only for the small number of "control" patients whose earlier films were centrally reviewed at the University of Tennessee Health Sciences Center (See variable **SHOULDER** in Section 1.0 (SAS dataset: **R09.SD2**). However, if any of these patients had repeat x-rays done after August 1983, another study was not required. Repeat x-rays for all "controls" were also sent to the University of Tennessee Health Sciences Center for central reading.

J. <u>Data Collection Period</u>: 03/79-09/88

K. Form Version Dates: 12/23/80, 08/17/83

L. Files Used to Store Information:

SAS System Files: R75.SD2

Format Files: R75.FMT

M. Unique Record Identifiers: ANONID, CHXR

Records within the dataset are sorted by **ANONID** and **CHXR** (see H below).

N. Number of Observations (Patients) in SAS Dataset: 5483 (3142)

The number of shoulder x-rays completed for each patient is summarized below:

# of	# of
x-rays	patients
0	99
1	1176
2	1683
3	179
4	5

#### O. Contents of SAS Dataset:

Alphabetical Listing of Variables: See p. 1

Listing of Variables by Position: See p. 2

### P. Notes About Selected Variables:

• CHXR – is the variable name for date of chest x-ray and was used as a sort ID variable within the dataset. If only shoulder x-rays were done, the date of the shoulder x-ray was entered as the chest x-ray date.

#### Q. Computed Variables: None

#### R. Inter-Relationship With Other Datasets:

Other sources of information relevant to shoulder x-ray findings or aseptic necrosis are

Phase 1 Forms	SAS Dataset	See Section
Chest, Shoulder, Hip		
X-ray Report Form	R76.SD2	6.4
Aseptic Necrosis	R64.SD2	8.2.1
Aseptic Necrosis Central		
Review Results	R65.SD2	8.2.2
"Roster"	R09.SD2	1.0 (variables: SHOULDER, HIP, ANDATE,
		VARDATE)
Past Medical History	R10.SD2	2.3
Surgery and Anesthesia	R83.SD2	9.1
<b>~_ *</b>		

S. List of variables deleted HIPDT F76INIT F76NDATE F76LASTU F76LASTE

#### F76ESTAT F76VDATE F76FCB

- T. List of variables modified **NONE**
- U. <u>List of variables modified with a name change</u> **NONE**
- V. Old name
- W. New name
- X. List of variables modified date to days since DOE
- Y. Old name **HIPDT**
- Z. New name **JHIPDT**

#### AA.Collection Information:

Form 75 (Chest, Shoulder, Hip X-Ray Report Form) was to be filled out whenever a study chest x-ray, shoulder x-ray, or hip and pelvis x-ray was completed.

Hip and pelvis x-rays were required at entry for patients entered at age  $\geq$  5 years and at age 5 for patients entered at age < 5 years. Repeat studies were required for patients  $\geq$  10 years of age during the extension if the last study was completed more than 4 years ago. During the exit period which began in May of 1986, repeat x-rays were required only for the small number of "control" patients whose earlier films were centrally reviewed at the University of Tennessee Health Sciences Center (See variable **HIP** in Section 1.0 (SAS dataset: **R09.SD2**). However, if any of these patients had repeat x-rays done after August 1983, another study was not required. Repeat x-rays for all "controls" were also sent to the University of Tennessee Health Sciences Center for central reading.

BB. <u>Data Collection Period</u>: 03/79 - 09/88

CC. Form Version Dates: 08/17/83

DD. Files Used to Store Information:

SAS System Files: R76.SD2

Format Files: R76.FMT

EE. Unique Record Identifiers: ANONID, HIPDT

Records within the dataset are sorted by ANONID and HIPDT

FF. Number of Observations (Patients) in SAS Dataset: 4869 (2879)

The number of hip x-rays completed for each patient is summarized below:

# of	# of
x-rays	patients
1	1049
2	1677
3	147
4	5
5	1

#### GG. Contents of SAS Dataset:

Alphabetical Listing of Variables: See p. 1

Listing of Variables by Position: See p. 2

HH. <u>Notes About Selected Variables</u>: None

II. Computed Variables: None

#### JJ. Inter-Relationship With Other Datasets:

Other sources of information relevant to hip and pelvis x-ray findings or aseptic

#### necrosis are

Phase 1 Forms	SAS Dataset	See Section
Chest, Shoulder, Hip X-ray	R75.SD2	6.3
Report Form		
Aseptic Necrosis	R64.SD2	8.2.1
Aseptic Necrosis Central	R65.SD2	8.2.2
Review Results		
"Roster"	R09.SD2	1.0 (variables: SHOULDER, HIP,
		ANDATE, VARDATE)
Past Medical History	R10.SD2	2.3
Surgery and Anesthesia	R83.SD2	9.1
9		

CONTENTS OF SAS DATASET: R76.SD2

DATA FROM CSSCD FORMS 12, 22, 75 - HIP X-RAY REPORT

 ${\tt VARIABLES} \ \ {\tt ARE} \ \ {\tt LISTED} \ \ {\tt IN} \ \ {\tt ALPHABETICAL} \ \ {\tt ORDER} \ \ {\tt AND} \ \ {\tt IN} \ \ {\tt ORDER} \ \ {\tt OF} \ \ {\tt THEIR} \ \ {\tt POSITION}$ 

IN THE SAS DATASET AND ON THE FORMS

The SAS System

10:22 Tuesday, October 31, 2006 4

#### The CONTENTS Procedure

Data Set Name	OUT1.R76	Observations	4869
Member Type	DATA	Variables	7
Engine	V9	Indexes	0
Created	16:02 Tuesday, October 24, 2006	Observation Length	56
Last Modified	16:02 Tuesday, October 24, 2006	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	WINDOWS		
Encoding	wlatin1 Western (Windows)		

#### Engine/Host Dependent Information

Data Set Page Size	8192
Number of Data Set Pages	34
First Data Page	1
Max Obs per Page	145
Obs in First Data Page	112
Number of Data Set Repairs	0

File Name r76.sas7bdat
Release Created 9.0000M0
Host Created XP\_PR0

#### Alphabetic List of Variables and Attributes

# Variable Type Len Label

1	ANONID	Char	8	ANONYMIZED ID #
6	F76FORM	Num	8	FORM ON WHICH DATA WAS SENT IN
5	F76RPT	Num	8	X-RAY REPORT RECEIVED
2	HPF	Num	8	HIP AND PELVIS FILMS
3	HPFAN	Num	8	ASEPTIC NECROSIS HIP
4	<b>HPPROS</b>	Num	8	HIP PROSTHESIS
7	JHIPDT	Num	8	DATE OF HIP-PELVIS X-RAYS - RECODE DAYS SINCE DOE

```
*******************
* R76.FMT contains value labels for numerical codes assigned to
categorical*
* variables in the SAS dataset R76.SD2
********************
****;
* SIR/DBMS 2.2 SAS PROC STEP FROM DATABASE: CSSCD 06/12/99 12:48:17;
PROC FORMAT;
  VALUE HPF
   1
              = 'NORMAL'
   2
               = 'ABNORMAL'
   3
               = '??';
 VALUE HPFAN
  1
              = 'YES'
              = 'NO'
   2
               = '??';
   3
 VALUE HPPROS
               = 'RIGHT'
   2
               = 'LEFT'
               = 'BOTH'
   3
               = 'NO';
   4
 VALUE F76RPT
   1
               = 'YES'
```

2 = 'NO';

VALUE F76FORM

12 = '12-INTAKE LAB' 22 = '22-THIRD ANNUAL' 75 = '75-X-RAY FORM';

\* FORMAT

HPF HPF. HPFAN HPFAN. HPPROS HPPROS. F76RPT F76RPT. F76FORM F76FORM.;

RUN; QUIT;

CSSCD FULL COHORT PATIENTS

F76VDATE -------VERSION DATE DELETED type: numeric daily date (int) label: datelab range: [8629,8629] units: 1 or equivalently: [17aug1983,17aug1983] units: days unique values: 1 coded missing: 4860 / 4869 tabulation: Freq. Numeric Label 9 8629 08/17/83 HPF ----- HIP AND PELVIS FILMS type: numeric (float) label: HPF range: [1,3] units: 1 unique values: 3 coded missing: 84 / 4869 tabulation: Freq. Numeric Label 3863 1 NORMAL 907 2 ABNORMAL 15 3 ?? HPFAN ----- ASEPTIC NECROSIS HIP type: numeric (float) label: HPFAN range: [1,3] units: 1
unique values: 3 coded missing: 783 / 4869 tabulation: Freq. Numeric Label 482 1 YES 3575 2 NO 29 3 ?? HPPROS ------ HIP PROSTHESIS type: numeric (float) label: HPPROS range: [1,4] units: 1
unique values: 4 coded missing: 3914 / 4869 tabulation: Freq. Numeric Label 7 1 RIGHT 20 2 LEFT 13 3 BOTH 915 4 NO

CSSCD FULL COHORT PATIENTS

F76RPT ----- X-RAY REPORT RECEIVED

type: numeric (float)

label: F76RPT

range: [1,2] units: 1

unique values: 2 coded missing: 2884 / 4869

tabulation: Freq. Numeric Label

1293 1 YES 692 2 NO

F76FORM ----- FORM ON WHICH DATA WAS SENT IN

type: numeric (float)

label: F76FORM

range: [12,75] units: 1

unique values: 3 coded missing: 0 / 4869

tabulation: Freq. Numeric Label

2475 12 12-INTAKE LAB 1455 22 22-THIRD ANNUAL 939 75 75-X-RAY FORM

\_dta:

1. Created 08/01/00.

# KK. <u>List of variables deleted</u> **F26LASTU F26LASTE F26ESTAT F26DATE F26BEFDT F26AFTDT F26BPITD F26RFUNC F26RSIZE**

- LL. List of variables modified NONE
- MM. List of variables modified with a name change NONE
- NN. Old name
- OO. New name
- PP. <u>List of variables modified date to days since DOE</u>
- QQ. Old name F26DATE F26BEFDT F26AFTDT F26BPITD
- RR. New name JF26DATE J26BEFDT J26AFTDT J26BPITD
- SS. Collection Information:

A spleen scan was to be performed at 9 months of age on HbSS infants. The scan was to be done earlier if HbF was < 20%, Howell-Jolly bodies were present, pocked RBC count was > 3.5%, or patient had a severe bacterial infection. Spleen scans were required for SC patients only if Howell Jolly bodies were present, pocked

CSSCD FULL COHORT PATIENTS

RBC count was > 3.5%, or there was a severe bacterial infection. Blood to be sent to Yale for pocked RBC count was to be drawn on the same day the spleen scan was done.

TT. <u>Data Collection Period</u>: 03/79 – 10/82

UU. Form Version Dates: N/A

VV.Files Used to Store Information:

SAS System Files: R26.SD2

Format Files: R26.FMT

WW. <u>Unique Record Identifiers</u>: **ANONID**, **F26CYCLE** Records within the dataset are sorted by **ANONID** and **F26CYCLE**

XX. Number of Observations (Patients) in SAS Dataset: 91 (91)

#### YY. Contents of SAS Dataset:

Alphabetical Listing of Variables: See p. 1

Listing of Variables by Position: See p. 2

### ZZ. Notes About Selected Variables: None

#### AAA. Computed Variables:

- F26BEFDT, F26AFTDT are variable names for closest routine visit dates
  preceding and following the spleen scan respectively. These variables were
  updated using date information from routine visit forms 16, 12, or 17 (See
  Section 4).
- F26BPITD, F26APITD are variable names for closest pocked RBC count dates
  preceding and following the spleen scan respectively. These variables were
  updated using date information from pocked RBC records (See section 5.2)
- F25BEFC, F26AFTC are variable names for closest routine visit cycles
  preceding and following the spleen scan respectively. These variables were
  updated using the cycle values for the closest routine visits preceding and
  following the scan (See Section 4).

#### BBB. Inter-Relationship With Other Datasets:

CSSCD FULL COHORT PATIENTS

Other sources of information relevant to splenic function, splenic sequestration, and splenectomy are

SAS Dataset	See Section
R07.SD2	5.2
R16.SD2	4.1
R24.SD2	4.2
R1121.SD2	4.3
R1222.SD2	4.4
R1722.SD2	4.5
R25.SD2	4.6
R46.SD2	7.6.1
R48.SD2	7.7.1
R58.SD2	7.7.3
R53.SD2	7.9
R83.SD2	9.1
R10.SD2	2.3
R15.SD2	2.2
R09.SD2	1.0 (variable: SPLNSTAT)
	R07.SD2 R16.SD2 R24.SD2 R1121.SD2 R1222.SD2 R1722.SD2 R25.SD2 R46.SD2 R48.SD2 R58.SD2 R53.SD2 R83.SD2 R10.SD2 R15.SD2

#### CONTENTS OF SAS DATASET: R26.SD2

DATA FROM CSSCD "RECORD" 26 - SPLEEN SCAN REPORT FOR PATIENTS < 2 YEARS OF AGE VARIABLES ARE LISTED IN ALPHABETICAL ORDER AND IN ORDER OF THEIR POSITION IN THE SAS DATASET

The SAS System 10:22 Tuesday, October 31, 2006 5

#### The CONTENTS Procedure

Data Set Name	OUT1.R26	Observations	91
Member Type	DATA	Variables	11
Engine	V9	Indexes	0
Created	16:21 Tuesday, October 24, 2006	Observation Length	88
Last Modified	16:21 Tuesday, October 24, 2006	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			

Data Representation WINDOWS

Encoding wlatin1 Western (Windows)

#### Engine/Host Dependent Information

Data Set Page Size	8192
Number of Data Set Pages	2
First Data Page	1
Max Obs per Page	92
Obs in First Data Page	64
Number of Data Set Repairs	0

File Name r26.sas7bdat
Release Created 9.0000M0
Host Created XP\_PRO

CSSCD FULL COHORT PATIENTS

#### Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
1	ANONID	Char	8	ANONYMIZED ID #
6	F26AFTC	Num	8	CLOSEST CYCLE FOLLOWING SCAN
7	F26APITD	Num	8	CLOSEST PIT DATE FOLLOWING SCAN
5	F26BEFC	Num	8	CLOSEST CYCLE PRECEEDING SCAN
2	F26CYCLE	Num	8	CYCLE NUMBER
3	F26IFUNC	Num	8	SPLEEN FUNCTION-INSTITUTIONAL
4	F26ISIZE	Num	8	SPLEEN SIZE-INSTITUTIONAL
10	J26AFTDT	Num	8	CLOSEST DATE OF ROUTINE VISIT FOLLOWING - RECODE DAYS
SINCE	DOE			
9	J26BEFDT	Num	8	CLOSEST DATE OF ROUTINE VISIT PRECEEDING - RECODE DAYS
SINCE	DOE			
11	J26BPITD	Num	8	CLOSEST PIT DATE PRECEEDING SCAN - RECODE DAYS SINCE
DOE				
8	JF26DATE	Num	8	DATE OF VISIT - RECODE DAYS SINCE DOE

\*

\*\*\*\*

\* R26.FMT contains value labels for numerical codes assigned to categorical\*

\* variables in the SAS dataset R26.SD2

\* SIR/DBMS 2.2 SAS PROC STEP FROM DATABASE: CSSCD 06/11/99 14:42:33;

PROC FORMAT;

\*FORMAT FUNC used for the following variables: F26IFUNC;

#### VALUE FUNC

1 = 'NORMAL'
2 = 'HYPOSPLENIA'
3 = 'ASPLENIA'
4 = 'HYPERSPLENIA';

\*FORMAT ENLG used for the following variables: F26ISIZE

F26ILIVS F26RLIVS;

CSSCD FULL COHORT PATIENTS

VALUE	ENLG
0	= 'NOT ENLARGED'
1	= 'ENLARGED'
9	= 'MISSING';
*FORMAT NE	PAI used for the following variables: F26ILIVF F26RLIVF;
VALUE	NDAI
1	= 'NORMAL'
2	= 'DECREASED'
3	= 'ABSEND'
4	= 'INCREASED';
* FORMAT	F26IFUNC FUNC.
	F26ISIZE
	F26ILIVS F26RLIVS ENLG.
	F26ILIVF F26RLIVF NDAI.;
RUN;	
QUIT;	

CSSCD FULL COHORT PATIENTS

```
F26CYCLE ------ CYCLE NUMBER
             type: numeric (float)
            range: [1,1]
                                       units: 1
                         coded missing: 0 / 91
      unique values: 1
        tabulation: Freq. Value
                   91 1
F26IFUNC ----- SPLEEN FUNCTION-INSTITUTIONAL
            type: numeric (float)
            label: F26IFUNC
            range: [1,4] units.
values: 4 coded missing: 0 / 91
      unique values: 4
        tabulation: Freq. Numeric Label
                       1 NORMAL
                    53
                    15
                           2 HYPOSPLENIA
                          3 ASPLENIA
                    22
                    1
                           4 HYPERSPLENIA
F26ISIZE ------ SPLEEN SIZE-INSTITUTIONAL
            type: numeric (float)
            label: F26ISIZE
      range: [0,1] units: 1 unique values: 2 coded missing: 0 / 91
        tabulation: Freq. Numeric Label
                   72 0 NOT ENLARGED
                    19
                         1 ENLARGED
F26BEFC ----- CLOSEST CYCLE PRECEEDING SCAN
            type: numeric (float)
            range: [4,26]
                                      units: 1
                                coded missing: 1 / 91
      unique values: 15
                                                   2 14
tabulation: Freq. Value
                                                   2 16
                                                   2 20
            2 4
            1 5
                                                   2 21
            6 6
            1 7
            8 8
           30 9
           15 10
            4 11
tabulation: Freq. Value
          11 12
            3 13
```

6.3: Chest, Sho	ulder, hip X-kay keport r	-01111 – F01111 /3	
			·

```
F26AFTC ----- CLOSEST CYCLE FOLLOWING SCAN
             type: numeric (float)
             range: [8,18]
                                 units: 1
coded missing: 64 / 91
       unique values: 8
         tabulation: Freq. Value
                      3 9
                      1 11
                     10 12
                      4 13
                      2 15
                      1 16
                      3 18
F26RFUNC ------ SPLEEN FUNCTION-REVIEWER
DELETED
             type: numeric (float)
             label: F26RFUNC
             range: [1,3]
values: 3
                                         units: 1
       unique values: 3
                                  coded missing: 61 / 91
         tabulation: Freq. Numeric Label
                    12 1 NORMAL
                     8 2 HYPOSPLENIA
10 3 ASPLENIA
F26RSIZE ----- SPLEEN SIZE-REVIEWER
DELETED
              type: numeric (float)
             label: F26RSIZE
             range: [0,1]
                                         units: 1
       unique values: 2
                                  coded missing: 62 / 91
         tabulation: Freq. Numeric Label
                         0 NOT ENLARGED
                     27
                      2 1 ENLARGED
dta:
1. Created 8/9/2000.
CCC. List of variables deleted XRD F77INIT F77NDATE F77LASTU F77LASTE
  F77ESTAT F77VDATE F77FCB
DDD. List of variables modified NONE
     <u>List of variables modified with a name change</u> NONE
FFF.
        Old name
GGG.
       New name
```

HHH. List of variables modified date to days since DOE

III. Old name XRD

**JJJ.** New name **JXRD** 

KKK. <u>Collection Information</u>:

Form 77 (Plain Film Report Form) was to be filled out whenever a study abdominal x-ray was completed. Plain films of the abdomen were required for patients entered at 10-14 years of age and at 25-30 years of age. This x-ray was also required for patients entered at < 10 years of age who turned 10 before August 1983 and for patients entered at < 25 years of age who turned 25 before August 1983. If gallstones were absent on plain film (or results were equivocal), an oral cholecystogram or sonogram was to be done on patients in the older age range. In 1983, it was decided that oral cholecystograms were acceptable only if they showed gallstones. If an oral cholecystogram was done and showed no stones, a sonogram was required. A plain film was not required for a patient who had a cholecystectomy prior to entry (or entry into the age range for which the x-ray was required). In a few cases, results obtained at the time of a right upper quadrant (RUQ) event were used to meet this requirement.

LLL. <u>Data Collection Period</u>: 03/79 - 10/85

MMM. Form Version Dates: 02/02/84

NNN. Files Used to Store Information:

SAS System Files: R77.SD2

Format Files: R77.FMT

OOO. <u>Unique Record Identifiers</u>: **ANONID**, **XRD** 

Records within the dataset are sorted by ANONID and XRD

PPP. <u>Number of Observations (Patients) in SAS Dataset</u>: 1640 (1566)

Seventy-three of the 1566 patients had a repeat abdominal x-ray during the study period.

#### QQQ. Contents of SAS Dataset:

Alphabetical Listing of Variables: See p. 1

Listing of Variables by Position: See p. 2

RRR. Notes About Selected Variables: None

SSS. Computed Variables: None

#### TTT. <u>Inter-Relationship With Other Datasets</u>:

Other sources of information relevant to gallstone data are

Phase 1 Forms	SAS Dataset	See Section
"Roster"	R09.SD2	1.0 (variables: <b>PFLMSTAT</b> , <b>SONOGRAM</b> )
78	R78.SD2	6.6.2
79	R79.SD2	6.6.3
10	R10.SD2	2.3
17, 19, 20, 21, 24	R1722.SD2	4.5
25	R25.SD2	4.6
34	R34.SD2	7.3.1
83	R83.SD2	9.1

CONTENTS OF SAS DATASET: R77.SD2

DATA FROM CSSCD FORM 77 - PLAIN FILM REPORT FORM

VARIABLES ARE LISTED IN ALPHABETICAL ORDER AND IN ORDER OF THEIR POSITION  $\left( \frac{1}{2} \right)$ 

IN THE SAS DATASET AND ON FORM 77

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#### The CONTENTS Procedure

Data Set Name	OUT1.R77				<b>Observations</b>	1640
Member Type	DATA				Variables	8
Engine	V9				Indexes	0
Created	11:20 Wednesday,	October	25,	2006	Observation Length	64
Last Modified	11:20 Wednesday,	October	25,	2006	Deleted Observations	0
Protection					Compressed	NO
Data Set Type					Sorted	NO
Label						
Data Representation	WINDOWS					

Encoding wlatin1 Western (Windows)

#### Engine/Host Dependent Information

Data Set Page Size	8192
Number of Data Set Pages	14
First Data Page	1
Max Obs per Page	127
Obs in First Data Page	97
Number of Data Set Repairs	0

File Name r77.sas7bdat
Release Created 9.0000M0
Host Created XP\_PR0

#### Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
1	ANONID	Char	8	ANONYMIZED ID #
7	F77FORM	Num	8	FORM ON WHICH DATA WAS SENT IN
6	F77RPT	Num	8	PFLM REPORT RECEIVED
8	JXRD	Num	8	DATE OF PLAIN FILM - RECODE DAYS SINCE DOE
2	XGAL	Num	8	GALLSTONES
3	XGFL	Num	8	GAS FILLED LOOPS
5	XPNC	Num	8	PANCREATIC CALCIFICATION
4	XPS0A	Num	8	PSOAS SHADOWS

```
* R77.FMT contains value labels for numerical codes assigned to
categorical*
* variables in the SAS dataset R77.SD2
*******************
PROC FORMAT;
* SIR/DBMS 2.2 SAS PROC STEP FROM DATABASE: CSSCD 10/21/99 14:34:22;
   VALUE XGAL
                = 'PRESENT'
   2
                = 'ABSENT'
   3
                 = '??';
* FORMAT YES_NO is used for the following variables: XGFL F77RPT;
 VALUE YES_NO
   1
                 = 'YES'
   2
                = 'NO';
 VALUE XPSOA
   1
                = 'SEEN'
   2
                = 'NOT SEEN';
 VALUE XPNC
   1
                 = 'YES'
```

```
2 = 'NO'

3 = '??';

* FORMAT MMDDYY8.

XGAL XGAL.

XGFL F77RPT YES_NO.

XPSOA XPSOA.

XPNC XPNC.;
```

RUN; QUIT;

```
F77VDATE ------ VERSION DATE DELETED
           type: numeric (int)
            range: [.,.] units: .
values: 0 coded missing: 1640 / 1640
      unique values: 0
        tabulation: Freq. Value
XGAL ..... GALLSTONES
            type: numeric (float)
            label: XGAL
            range: [1,3] units: 1
values: 3 coded missing: 4 / 1640
      unique values: 3
        tabulation: Freq. Numeric Label
                  231 1 PRESENT
                  1392
                          2 ABSENT
                   13
                          3 ??
XGFL ----- GAS FILLED LOOPS
            type: numeric (float)
            label: XGFL
      range: [1,2] units: 1
unique values: 2 coded missing: 117 / 1640
        tabulation: Freq. Numeric Label
                  340
                       1 YES
                  1183
                          2 NO
XPSOA ----- PSOAS SHADOWS
            type: numeric (float)
            label: XPSOA
           range: [1,2] units: 1
values: 2 coded missing: 151 / 1640
      unique values: 2
        tabulation: Freq. Numeric Label
                  446 1 SEEN
1043 2 NOT SEEN
XPNC ----- PANCREATIC CALCIFICATION
            type: numeric (float)
            label: XPNC
                               units: 1
      range: [1,2] units: 1 unique values: 2 coded missing: 100 / 1640
        tabulation: Freq. Numeric Label
                        1 YES
2 NO
                  17
                  1523
```

```
F77RPT ----- PFLM REPORT RECEIVED
             type: numeric (float)
            label: F77RPT
            range: [1,2]
                                        units: 1
      unique values: 2
                                 coded missing: 1441 / 1640
         tabulation: Freq. Numeric Label
                         1 YES
                    167
                             2 NO
                     32
               ----- FORM ON WHICH DATA WAS SENT IN
             type: numeric (float)
            range: [12,77]
                                        units: 1
      unique values: 2
                                 coded missing: 0 / 1640
         tabulation: Freq. Value
                   1609 12
                     31 77
dta:
 1. Created 10/27/99
```

# UUU. <u>List of variables deleted</u> **SONODT F78INIT F78NDATE F78LASTU F78LASTE** F78ESTAT F78VDATE F78FCB

VVV. List of variables modified **NONE** 

WWW. List of variables modified with a name change NONE

XXX. Old name

YYY. New name

ZZZ. <u>List of variables modified date to days since DOE</u>

AAAA. Old name **SONODT** 

BBBB. New name **JSONODT** 

CCCC. Collection Information:

Form 78 (Sonogram Report Form) was to be filled out whenever a study sonogram was completed. This test was required for patients entered between 25-30 years of age or who turned 25 before August 1983 if a plain film of the abdomen was negative (or equivocal) for gallstones and an oral cholecystogram was either not done or negative for gallstones. Repeat sonograms were required for patients 4 years after the initial study sonogram if gallstones were not present on the initial sonogram. The repeat sonogram requirement was discontinued in May 1986.

Sonograms were also required at exit for a random sample of 4  $\infty$  gene HbSS patients between the ages of 10-12 years.

DDDD. <u>Data Collection Period</u>: 03/79 - 10/87

EEEE. Form Version Dates: 08/17/83

FFFF. Files Used to Store Information:

SAS System Files: R78.SD2

Format Files: R78.FMT

GGGG. <u>Unique Record Identifiers</u>: **ANONID**, **SONODT** 

Records within the dataset are sorted by **ANONID** and **SONODT** 

HHHH. Number of Observations (Patients) in SAS Dataset: 601 (528)

Seventy-one of the 528 patients have two sonogram records on the database.

#### IIII. Contents of SAS Dataset:

Alphabetical Listing of Variables: See p. 1

Listing of Variables by Position: See p. 2

JJJJ. Notes About Selected Variables: None

KKKK. Computed Variables: None

### LLLL. Inter-Relationship With Other Datasets:

Other sources of information for gallstone data are

Phase 1 Forms	SAS Dataset	See Section
"Roster"	R09.SD2	1.0 (variables: <b>PFLMSTAT</b> , <b>SONOGRAM</b> )
77	R77.SD2	6.6.1
79	R79.SD2	6.6.3
10	R10.SD2	2.3
17, 19, 20, 21, 24	R1722.SD2	4.5
25	R25.SD2	4.6
34	R34.SD2	7.3.1
83	R83.SD2	9.1

CONTENTS OF SAS DATASET: R78.SD2

DATA FROM CSSCD FORM 78 - SONOGRAM REPORT FORM

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

IN THE SAS DATASET AND ON FORM 78

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#### The CONTENTS Procedure

Data Set Name	OUT1.R78			Observations	601
Member Type	DATA			Variables	5
Engine	V9			Indexes	0
Created	11:24 Wednesday,	October 25	2006	Observation Length	40
Last Modified	11:24 Wednesday,	October 25	2006	Deleted Observations	0
Protection				Compressed	NO
Data Set Type				Sorted	NO
Label					
Data Representation	WINDOWS				

Encoding wlatin1 Western (Windows)

#### Engine/Host Dependent Information

Data Set Page Size	4096
Number of Data Set Pages	7
First Data Page	1
Max Obs per Page	101
Obs in First Data Page	61
Number of Data Set Repairs	0

File Name r78.sas7bdat Release Created 9.0000MO Host Created XP\_PRO

#### Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
1	ANONID	Char	8	ANONYMIZED ID #
4	F78FORM	Num	8	FORM ON WHICH DATA WAS SENT IN
3	F78RPT	Num	8	SONOGRAM REPORT RECEIVED

SONOGRAM RESULTS

DATE OF SONOGRAM - RECODE DAYS SINCE DOE

**JSONODT** 

SONO

Num

Num

8

8

5

2

```
********************
* R78.fmt contains value labels for numerical codes assigned to
categorical *
* variables in the SAS dataset R78.SD2
*******************
****;
* SIR/DBMS 2.2 SAS PROC STEP FROM DATABASE: CSSCD 10/28/99 14:36:45;
PROC FORMAT;
   VALUE SONO
                = 'ABNORMAL ?'
   2
                = 'GALLSTONES PRESENT'
   3
                = 'GALLBLADDER ENLARGED'
   4
                = 'BOTH'
   5
                = 'NORMAL';
 VALUE F78RPT
   1
                = 'YES'
   2
                = 'NO';
      FORMAT MMDDYY8.
            SONO SONO.
            F78RPT F78RPT.;
RUN;
QUIT;
```

F78VDATE ------ VERSION DATE DELETED type: numeric (int) units: . coded missing: 601 / 601 range: [.,.] unique values: 0 tabulation: Freq. Value Value missing for all patients. SONO ----- SONOGRAM RESULTS type: numeric (float) label: SONO range: [1,5] units: 1
values: 5 coded missing: 0 / 601 unique values: 5 tabulation: Freq. Numeric Label 32 1 ABNORMAL ? 230 2 GALLSTONES PRESENT 3 GALLBLADDER ENLARGED 8 4 BOTH 22 5 NORMAL 309 F78RPT ----- SONOGRAM REPORT RECEIVED type: numeric (float) label: F78RPT range: [1,2] units: 1
values: 2 coded missing: 319 / 601 unique values: 2 tabulation: Freq. Numeric Label 256 1 YES 26 2 NO F78FORM ----- FORM ON WHICH DATA WAS SENT IN type: numeric (float) range: [12,78] units: 1
/alues: 2 coded missing: 0 / 601 unique values: 2 tabulation: Freq. Value 386 12 215 78 \_dta:

1. Created 10/28/99.

# MMMM. <u>List of variables deleted</u> **ORCHDT F79INIT F79NDATE F79LASTU F79LASTE F79ESTAT F79VDATE F79FCB**

NNNN. List of variables modified NONE

OOOO. List of variables modified with a name change NONE

PPPP. <u>Old name</u>

QQQQ. New name

RRRR. List of variables modified date to days since DOE

SSSS. Old name ORCHDT

TTTT. New name **JORCHDT** 

UUUU. Collection Information:

Form 79 (Oral Cholecystogram Report Form) was to be filled out whenever a study oral cholecystogram was completed. This test (or a sonogram) was required for patients entered between 25-30 years of age and patients who turned 25 before August 1983 if a plain film of the abdomen was negative (or equivocal) for gallstones. In 1983, it was decided that oral cholecystograms were acceptable only if they showed gallstones. If an oral cholecystogram was done and showed no stones, a sonogram was required. If an oral cholecystogram was done at the time of a right upper quadrant (RUQ) event, results may be collected on Form 34 (See Section 7.3.1).

VVVV. Data Collection Period: 03/79 - 11/84

WWWW. Form Version Dates: 02/02/84

XXXX. Files Used to Store Information:

SAS System Files: R79.SD2

Format Files: R79.FMT

YYYY. Unique Record Identifiers: ANONID, ORCHDT

Records within the dataset are sorted by **ANONID** and **ORCHDT** 

ZZZZ. Number of Observations (Patients) in SAS Dataset: 191 (189)

### AAAAA. <u>Contents of SAS Dataset</u>:

Alphabetical Listing of Variables: See p. 1

• Listing of Variables by Position: See p. 2

BBBBB. <u>Notes About Selected Variables</u>: None

	6.3: Chest, Shoulder, Hip X-Ray Report Form – Form 75
CCCCC.	Computed Variables: None

### DDDDD. <u>Inter-Relationship With Other Datasets</u>:

Other sources of information for gallstone data are

Phase 1 Forms	SAS Dataset	See Section
"Roster"	R09.SD2	1.0 (variables: <b>PFLMSTAT</b> , <b>SONOGRAM</b> )
77	R77.SD2	6.6.1
78	R78.SD2	6.6.2
10	R10.SD2	2.3
17, 19, 21, 24	R1722.SD2	4.5
25	R25.SD2	4.6
34	R34.SD2	7.3.1
83	R83.SD2	9.1

CONTENTS OF SAS DATASET: R79.SD2

DATA FROM CSSCD FORM 78 - ORAL CHOLECYSTOGRAM REPORT FORM

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

IN THE SAS DATASET AND ON FORM

The SAS System

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#### The CONTENTS Procedure

Data Set Name	OUT1.R79	Observations 19	1
Member Type	DATA	Variables 6	
Engine	V9	Indexes 0	
Created	14:18 Wednesday, October 25, 20	006 Observation Length 48	}
Last Modified	14:18 Wednesday, October 25, 20	006 Deleted Observations 0	
Protection		Compressed NO	)
Data Set Type		Sorted NO	)
Label			

Data Representation WINDOWS

Encoding wlatin1 Western (Windows)

#### Engine/Host Dependent Information

Data Set Page Size	4096
Number of Data Set Pages	3
First Data Page	1
Max Obs per Page	84
Obs in First Data Page	49
Number of Data Set Repairs	0

File Name r79.sas7bdat
Release Created 9.0000M0
Host Created XP\_PRO

#### Alphabetic List of Variables and Attributes

#	Variable	Туре	Len	Label
1	ANONID	Char	8	ANONYMIZED ID #
5	F79FORM	Num	8	FORM ON WHICH DATA WAS SENT IN
4	F79RPT	Num	8	ORAL CHOL REPORT RECEIVED
6	JORCHDT	Num	8	

ORAL CHOL. RESULTS

ORAL CHOL. SINGLE OR DOUBLE

ORCH

ORCSD

Num

Num

8

8

3

2

```
* R79.fmt contains value labels for numerical codes assigned to
categorical *
* variables in the SAS dataset R79.SD2
*******************
****;
* SIR/DBMS 2.2 SAS PROC STEP FROM DATABASE: CSSCD 10/28/99 14:40:30;
PROC FORMAT;
  VALUE ORCSD
                 = 'SINGLE'
   1
                 = 'DOUBLE';
   2
 VALUE ORCH
                 = 'ABNORMAL ?'
   2
                 = 'GALLSTONES PRESENT'
                 = 'GALLBLADDER NONFUNC.'
   3
   4
                 = 'BOTH'
   5
                 = 'NORMAL';
 VALUE F79RPT
                 = 'YES'
   1
   2
                 = 'NO';
  FORMAT
              MMDDYY8.
              ORCSD ORCSD.
              ORCH ORCH.
              F79RPT F79RPT.;
```

	6.3: Chest, Shoulder, Hip X-Ray Report Form – Form 75					
RUN; QUIT;						

F79VDATE ------ VERSION DATE DELETED type: numeric (int) units: . coded missing: 191 / 191 range: [.,.] unique values: 0 tabulation: Freq. Value Value missing for all patients. ORCSD ----- ORAL CHOL. SINGLE OR DOUBLE type: numeric (float) label: ORCSD range: [1,2] units: 1
unique values: 2 coded missing: 66 / 191 tabulation: Freq. Numeric Label 67 1 SINGLE 2 DOUBLE 58 ORCH ----- ORAL CHOL, RESULTS type: numeric (float) label: ORCH range: [1,5] units: 1
/alues: 5 coded missing: 0 / 191 unique values: 5 tabulation: Freq. Numeric Label 1 ABNORMAL ? 14 37 2 GALLSTONES PRESENT
6 3 GALLBLADDER NONFUNC.
12 4 BOTH
122 5 NORMAL F79RPT ----- ORAL CHOL REPORT RECEIVED type: numeric (float) label: F79RPT range: [1,2] units: 1
unique values: 2 coded missing: 175 / 191 tabulation: Freq. Numeric Label . 11 1 YES 5 2 NO 11

F79FORM ----- FORM ON WHICH DATA WAS SENT IN

type: numeric (float)

range: [12,79] units: 1 unique values: 2 coded missing: 0 / 191

tabulation: Freq. Value

186 12 5 79

\_dta:

1. Created 10/28/99.