

7.3.0: Right Upper Quadrant Syndrome Overview

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

Form #	Name of Form	Collected	Patient Population	SAS Dataset
34	Right Upper Quadrant Syndrome	03/01/79- 06/01/86	All	R34.SD2
		06/01/86- 12/31/86	Patients Entered at < 6 Months of Age	R33.SD2
53	Comprehensive Special Event Form for Patients Entered at < 6 Months of Age	01/01/87- 09/30/88	Patients Entered at < 6 Months of Age	R53.SD2
35	Right Upper Quadrant Syndrome Flow Sheet	03/01/79- 06/01/86	All	R35.SD2
		06/01/86- 12/31/86	Patients Entered at < 6 Months of Age	
52	Acute Event Treatment Follow-up Form	03/01/79- 06/01/86	All	R52.SD2
		06/01/86- 12/31/86	Patients Entered at < 6 Months of Age	

B. Definition of the Event:

Right Upper Quadrant Syndrome (See Section 7.3.1)

Any two of the following:

1. Pain only in the right upper quadrant of the abdomen
2. A two-fold increase in total bilirubin over baseline*
3. A two centimeter increase in liver size over baseline*
4. A two-fold increase in SGOT over baseline*

* baseline or “steady-state” values for bilirubin, SGOT, and liver size were defined as the lowest of the values recorded at preceding regularly scheduled study visits when the patient was not experiencing an acute event

7.3.2: Right Upper Quadrant Syndrome Flow Sheet – Form 35

- A. List of variables deleted **F34DATE F34INIT F34NDATE F34LASTU F34LASTE
F34ESTAT F34VDATE F34DFC F34FCB F34WHEN F34MMD1-F34MMD3
F34PEB F34LABDT**
- 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 **F34DATE F34WHEN**
- H. New name **JF34DATE J34WHEN**
- I. Collection Information:
- A. **Form 34 (Right Upper Quadrant Syndrome)** was filled out whenever a study patient entered the clinic, emergency room, or hospital at a study institution with any two of the following: pList of variables deleted **F35DATE F35INIT F35NDATE
F35LASTU F35LASTE F35ESTAT F35VDATE F35DTE1-F35DT36 F35LABD1
F35LABD2**
- 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 **F35DATE**
- H. New name **JF35DATE**
- I. Collection Information:
- Form 35** was filled out whenever a Form 34 was filled out if a patient was hospitalized or seen daily for a right upper quadrant event. The form collects daily information from hospitalization day 2 through the date of discharge. Each flow sheet contains 6 days of hospital information. As a result, multiple Form 35s can exist for a given event depending on the length of hospitalization or daily outpatient follow-up. Laboratory data were recorded every three days (i.e., hospitalization days 4, 7, 10, 13, etc.).
- J. Data Collection Period: 03/79 – 12/86

7.3.2: Right Upper Quadrant Syndrome Flow Sheet – Form 35

Form 35 was used between 03/79 and 06/86 for all patients and continued to be used through 12/86 for patients entered at < 6 months of age.

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

L. Files Used to Store Information:

SAS System File: **R35.SD2**

Format File: **R35.FMT**

M. Unique Record Identifiers: **ANONID, F35DATE, F35SHEET**

Records within the dataset are sorted by **ANONID, F35DATE, F35SHEET** (flow sheet number)

N. Number of Observations (Patients) in SAS Dataset: 581 (215)

O. Contents of SAS Dataset:

- Alphabetical Listing of Variables: See pp. 355-356
- Listing of Variables by Position: See pp. 357-358

P. Notes About Selected Variables:

- **F35CBWB1, C35CBWB2** – are the CBC white blood cell count variables. The value for each should be uncorrected for nucleated RBCs. Since nucleated RBCs were not collected on Form 35, corrected WBCs cannot be calculated.
- **F35ALPH1, F35ALPH2** – are the variable names for alkaline phosphatase. The field length for this variable is only three digits. If the value was ≥ 1000 , a value of 999 was entered.
- **F35AMYL1, F35AMYL2** – are the variable names for serum amylase. The field length for this variable is only three digits. If the value was ≥ 1000 , a value of 999 was entered on the database.
- **Liver Function Tests Performed at Clinics C and D**– The units of measurement used for recording results of alkaline phosphatase and SGOT were not the same as those requested on Form 35. Consequently, test results from patients at Clinics C and D only must be converted for these variables:

<u>Variable</u>	<u>Conversion Formula</u>
F35ALPH1, F35ALPH2	F35ALPH(x)=F35ALPH(x) / 0.87
F35SGOT1, F35SGOT2	F35SGOT(x)=F35SGOT(x) x 0.3

Q. Computed Variables: None

7.3.2: Right Upper Quadrant Syndrome Flow Sheet – Form 35

R. Inter-Relationship With Other Datasets:

Record 35 contains daily follow-up data for right upper quadrant events stored in **R34.SD2**. “Record 35” is linked to “Record 34” by **ANONID** and date patient first sought care (if **F34DATE=F35DATE**). The number of “Record 35s” which will link with a given “Record 34” depends on the length of hospitalization. If a patient was hospitalized (or seen daily) for ≤ 7 days, only one “Record 35” should be on the database (**F35SHEET**) for the event; if a patient was hospitalized for 8-13 days, two “Record 35s” should be on the database (**F35SHEET=1** for days 2 through 7, **F35SHEET=2** for days 8 through 13), etc. The value for the variable **F34FLOWS** in “Record 34” is the number of “Record 35s” on the database which will link by date with the “Record 34.” The value for the variable **F34DHOSP** in “Record 34” is the number of days hospitalized (i.e., the number of days information was collected on “Record 35s”).

In some instances, a patient was not hospitalized on the date he/she first sought care for a RUQ event but was hospitalized on a later date for the event. If this was the case, flow sheet #1 (**F35SHEET=1**) will contain information for hospitalization days 1-6 rather than 2-7. In a few instances, a patient was discharged and readmitted for the same event. If this was the case, a patient may have a set of flow sheet records which have the same date (**F35DATE**) as the originating “Record 34” date (**F34DATE**) and another set of flow sheet records with a different sort ID date (**F35DATE**) which do not link with any “Record 34” date.

CODEBOOK FOR CSSCD FORM 35
RIGHT UPPER QUADRANT SYNDROME FLOW SHEET
CSSCD FULL COHOR PATIENTS

CONTENTS OF SAS DATASET: R35.SD2
DATA FROM CSSCD FORM 35 - RIGHT UPPER QUADRANT SYNDROME FLOW SHEET
VARIABLES ARE LISTED IN ALPHABETICAL ORDER AND IN ORDER OF THEIR POSITION
IN THE SAS DATASET AND ON FORM 35
The SAS System 10:44 Thursday, December 7, 2006 12

The CONTENTS Procedure

Data Set Name	OUT1.R35	Observations	581
Member Type	DATA	Variables	54
Engine	V9	Indexes	0
Created	15:10 Friday, December 1, 2006	Observation Length	432
Last Modified	15:10 Friday, December 1, 2006	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	WINDOWS		
Encoding	wlatin1 Western (Windows)		

Engine/Host Dependent Information

Data Set Page Size	16384
Number of Data Set Pages	17
First Data Page	1
Max Obs per Page	37
Obs in First Data Page	20
Number of Data Set Repairs	0
File Name	r35.sas7bdat
Release Created	9.0000M0

CODEBOOK FOR CSSCD FORM 35
RIGHT UPPER QUADRANT SYNDROME FLOW SHEET
 CSSCD FULL COHOR PATIENTS

Host Created

XP_PRO

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
1	ANONID	Char	8	ANONYMIZED ID #
50	F35ALPH1	Num	8	ALKALINE PHOSPHATASE (UNITS) (DAY 3)
51	F35ALPH2	Num	8	ALKALINE PHOSPHATASE (UNITS) (DAY 6)
52	F35AMYL1	Num	8	AMYLASE (UNITS DL) (DAY 3)
53	F35AMYL2	Num	8	AMYLASE (UNITS DL) (DAY 6)
48	F35BLRB1	Num	8	BILIRUBIN (MG DL) (DAY 3)
49	F35BLRB2	Num	8	BILIRUBIN (MG DL) (DAY 6)
40	F35CBHB1	Num	8	CBC HB (G DL) (DAY 3)
41	F35CBHB2	Num	8	CBC HB (G DL) (DAY 6)
42	F35CBHC1	Num	8	CBC HCT (%) (DAY 3)
43	F35CBHC2	Num	8	CBC HCT (%) (DAY 6)
44	F35CBWB1	Num	8	CBC WBC CU. MM. (DAY 3)
45	F35CBWB2	Num	8	CBC WBC CU. MM. (DAY 6)
22	F35HEPT1	Num	8	HEPATIC TENDERNESS (DAY 1)
23	F35HEPT2	Num	8	HEPATIC TENDERNESS (DAY 2)
24	F35HEPT3	Num	8	HEPATIC TENDERNESS (DAY 3)
25	F35HEPT4	Num	8	HEPATIC TENDERNESS (DAY 4)
26	F35HEPT5	Num	8	HEPATIC TENDERNESS (DAY 5)
27	F35HEPT6	Num	8	HEPATIC TENDERNESS (DAY 6)
3	F35HOSP	Num	8	HOSPITALIZED OR OUTPATIENT
28	F35LVR1	Num	8	LIVER SIZE (CMS) (DAY 1)
29	F35LVR2	Num	8	LIVER SIZE (CMS) (DAY 2)
30	F35LVR3	Num	8	LIVER SIZE (CMS) (DAY 3)
31	F35LVR4	Num	8	LIVER SIZE (CMS) (DAY 4)
32	F35LVR5	Num	8	LIVER SIZE (CMS) (DAY 5)
33	F35LVR6	Num	8	LIVER SIZE (CMS) (DAY 6)
16	F35PN1	Num	8	OTHER PAIN (DAY 1)

CODEBOOK FOR CSSCD FORM 35
RIGHT UPPER QUADRANT SYNDROME FLOW SHEET
 CSSCD FULL COHOR PATIENTS

The SAS System

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The CONTENTS Procedure

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
17	F35PN2	Num	8	OTHER PAIN (DAY 2)
18	F35PN3	Num	8	OTHER PAIN (DAY 3)
19	F35PN4	Num	8	OTHER PAIN (DAY 4)
20	F35PN5	Num	8	OTHER PAIN (DAY 5)
21	F35PN6	Num	8	OTHER PAIN (DAY 6)
10	F35PNAB1	Num	8	ABDOMINAL PAIN (DAY 1)
11	F35PNAB2	Num	8	ABDOMINAL PAIN (DAY 2)
12	F35PNAB3	Num	8	ABDOMINAL PAIN (DAY 3)
13	F35PNAB4	Num	8	ABDOMINAL PAIN (DAY 4)
14	F35PNAB5	Num	8	ABDOMINAL PAIN (DAY 5)
15	F35PNAB6	Num	8	ABDOMINAL PAIN (DAY 6)
46	F35SGOT1	Num	8	SGOT (UNITS) (DAY 3)
47	F35SGOT2	Num	8	SGOT (UNITS) (DAY 6)
2	F35SHEET	Num	8	SHEET NUMBER
34	F35SPL1	Num	8	SPLEEN SIZE (CM BELOW LCM) (DAY 1)
35	F35SPL2	Num	8	SPLEEN SIZE (CM BELOW LCM) (DAY 2)
36	F35SPL3	Num	8	SPLEEN SIZE (CM BELOW LCM) (DAY 3)
37	F35SPL4	Num	8	SPLEEN SIZE (CM BELOW LCM) (DAY 4)
38	F35SPL5	Num	8	SPLEEN SIZE (CM BELOW LCM) (DAY 5)
39	F35SPL6	Num	8	SPLEEN SIZE (CM BELOW LCM) (DAY 6)
4	F35TMP1	Num	8	TEMPERATURE (DAY 1)
5	F35TMP2	Num	8	TEMPERATURE (DAY 2)
6	F35TMP3	Num	8	TEMPERATURE (DAY 3)
7	F35TMP4	Num	8	TEMPERATURE (DAY 4)
8	F35TMP5	Num	8	TEMPERATURE (DAY 5)
9	F35TMP6	Num	8	TEMPERATURE (DAY 6)
54	JF35DATE	Num	8	DATE FIRST SOUGHT CARE - RECODE DAYS SINCE DOE

CODEBOOK FOR CSSCD FORM 35
RIGHT UPPER QUADRANT SYNDROME FLOW SHEET
CSSCD FULL COHOR PATIENTS

```
*****;  
*R35.FMT contains value labels for numerical codes assigned to categorical ;  
*variables in the SAS dataset R35.SD2 ;  
*****;
```

```
* SIR/DBMS 2.2 SAS PROC STEP FROM DATABASE: CSSCD 08/13/99;
```

```
PROC FORMAT PRINT;
```

```
* FORMAT F35HOSP IS DEFINED FOR VARIABLE F35HOSP;
```

```
VALUE F35HOSP  
 1 = 'HOSPITALIZED'  
 2 = 'OUTPATIENT';
```

```
* FORMAT NOYES IS DEFINED FOR VARIABLES  
F35PNAB1 F35PNAB2 F35PNAB3 F35PNAB4 F35PNAB5 F35PNAB6  
F35PN1 F35PN2 F35PN3 F35PN4 F35PN5 F35PN6  
F35HEPT1 F35HEPT2 F35HEPT3 F35HEPT4 F35HEPT5 F35HEPT6;
```

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

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RIGHT UPPER QUADRANT SYNDROME FLOW SHEET - PAGE 1
 CSSCD FULL COHORT PATIENTS

F35VDATE ----- VERSION DATE **DELETED**

type: numeric (int)
 label: datelab

range: [6999,7061] units: 1
 unique values: 2 coded missing: 0 / 581

tabulation:	Freq.	Numeric	Label
	275	6999	03/01/79
	306	7061	05/02/79

F35SHEET ----- SHEET NUMBER

type: numeric (float)

range: [1,10] units: 1
 unique values: 10 coded missing: 0 / 581

tabulation:	Freq.	Value
	279	1
	172	2
	83	3
	29	4
	10	5
	3	6
	2	7
	1	8
	1	9
	1	10

F35HOSP ----- HOSPITALIZED OR OUTPATIENT

type: numeric (float)
 label: F35HOSP

range: [1,2] units: 1
 unique values: 2 coded missing: 28 / 581

tabulation:	Freq.	Numeric	Label
	548	1	HOSPITALIZED
	5	2	OUTPATIENT

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RIGHT UPPER QUADRANT SYNDROME FLOW SHEET - PAGE 1
 CSSCD FULL COHORT PATIENTS

F35TMP1 ----- TEMPERATURE (DAY 1)

type: numeric (float)
 range: [34,40.2] units: .1
 unique values: 39 coded missing: 26 / 581

mean: 37.5088
 std. dev: .74735

percentiles:	10%	25%	50%	75%	90%
	36.7	37	37.3	37.9	38.5

F35TMP2 ----- TEMPERATURE (DAY 2)

type: numeric (float)
 range: [36,40.5] units: .1
 unique values: 41 coded missing: 52 / 581

mean: 37.5376
 std. dev: .722188

percentiles:	10%	25%	50%	75%	90%
	36.8	37	37.4	37.9	38.5

F35TMP3 ----- TEMPERATURE (DAY 3)

type: numeric (float)
 range: [36,40.3] units: .1
 unique values: 39 coded missing: 86 / 581

mean: 37.5218
 std. dev: .736449

percentiles:	10%	25%	50%	75%	90%
	36.8	37	37.3	37.9	38.6

F35TMP4 ----- TEMPERATURE (DAY 4)

type: numeric (float)
 range: [36,40.1] units: .1
 unique values: 37 coded missing: 147 / 581

mean: 37.5442
 std. dev: .72947

percentiles:	10%	25%	50%	75%	90%
	36.7	37	37.4	38	38.6

CODEBOOK FOR CSSCD FORM 35
RIGHT UPPER QUADRANT SYNDROME FLOW SHEET - PAGE 1
 CSSCD FULL COHORT PATIENTS

F35TMP5 ----- TEMPERATURE (DAY 5)

type: numeric (float)

range: [35.9,40] units: .1
 unique values: 38 coded missing: 201 / 581

mean: 37.5189
 std. dev: .688165

percentiles: 10% 25% 50% 75% 90%
 36.9 37 37.3 37.8 38.5

F35TMP6 ----- TEMPERATURE (DAY 6)

type: numeric (float)

range: [36,40.9] units: .1
 unique values: 41 coded missing: 239 / 581

mean: 37.4474
 std. dev: .696814

percentiles: 10% 25% 50% 75% 90%
 36.8 37 37.3 37.8 38.3

F35PNAB1 ----- ABDOMINAL PAIN (DAY 1)

type: numeric (float)
 label: F35PNAB1

range: [1,2] units: 1
 unique values: 2 coded missing: 18 / 581

tabulation:	Freq.	Numeric	Label
	197	1	NO
	366	2	YES

F35PNAB2 ----- ABDOMINAL PAIN (DAY 2)

type: numeric (float)
 label: F35PNAB2

range: [1,2] units: 1
 unique values: 2 coded missing: 42 / 581

tabulation:	Freq.	Numeric	Label
	219	1	NO
	320	2	YES

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RIGHT UPPER QUADRANT SYNDROME FLOW SHEET - PAGE 1
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F35PNAB3 ----- ABDOMINAL PAIN (DAY 3)

type: numeric (float)
 label: F35PNAB3
 range: [1,2] units: 1
 unique values: 2 coded missing: 81 / 581

tabulation:	Freq.	Numeric	Label
	222	1	NO
	278	2	YES

F35PNAB4 ----- ABDOMINAL PAIN (DAY 4)

type: numeric (float)
 label: F35PNAB4
 range: [1,2] units: 1
 unique values: 2 coded missing: 144 / 581

tabulation:	Freq.	Numeric	Label
	207	1	NO
	230	2	YES

F35PNAB5 ----- ABDOMINAL PAIN (DAY 5)

type: numeric (float)
 label: F35PNAB5
 range: [1,2] units: 1
 unique values: 2 coded missing: 198 / 581

tabulation:	Freq.	Numeric	Label
	184	1	NO
	199	2	YES

F35PNAB6 ----- ABDOMINAL PAIN (DAY 6)

type: numeric (float)
 label: F35PNAB6
 range: [1,2] units: 1
 unique values: 2 coded missing: 232 / 581

tabulation:	Freq.	Numeric	Label
	176	1	NO
	173	2	YES

F35PN1 ----- OTHER PAIN (DAY 1)

type: numeric (float)
 label: F35PN1
 range: [1,2] units: 1
 unique values: 2 coded missing: 28 / 581

tabulation:	Freq.	Numeric	Label
	316	1	NO
	237	2	YES

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F35PN2 ----- OTHER PAIN (DAY 2)

type: numeric (float)
 label: F35PN2
 range: [1,2] units: 1
 unique values: 2 coded missing: 51 / 581

tabulation:	Freq.	Numeric	Label
	309	1	NO
	221	2	YES

F35PN3 ----- OTHER PAIN (DAY 3)

type: numeric (float)
 label: F35PN3
 range: [1,2] units: 1
 unique values: 2 coded missing: 89 / 581

tabulation:	Freq.	Numeric	Label
	300	1	NO
	192	2	YES

F35PN4 ----- OTHER PAIN (DAY 4)

type: numeric (float)
 label: F35PN4
 range: [1,2] units: 1
 unique values: 2 coded missing: 152 / 581

tabulation:	Freq.	Numeric	Label
	261	1	NO
	168	2	YES

F35PN5 ----- OTHER PAIN (DAY 5)

type: numeric (float)
 label: F35PN5
 range: [1,2] units: 1
 unique values: 2 coded missing: 206 / 581

tabulation:	Freq.	Numeric	Label
	229	1	NO
	146	2	YES

F35PN6 ----- OTHER PAIN (DAY 6)

type: numeric (float)
 label: F35PN6
 range: [1,2] units: 1
 unique values: 2 coded missing: 241 / 581

tabulation:	Freq.	Numeric	Label
	208	1	NO
	132	2	YES

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F35HEPT1 ----- HEPATIC TENDERNESS (DAY 1)

type: numeric (float)
 label: F35HEPT1
 range: [1,2] units: 1
 unique values: 2 coded missing: 38 / 581

tabulation:	Freq.	Numeric	Label
	294	1	NO
	249	2	YES

F35HEPT2 ----- HEPATIC TENDERNESS (DAY 2)

type: numeric (float)
 label: F35HEPT2
 range: [1,2] units: 1
 unique values: 2 coded missing: 62 / 581

tabulation:	Freq.	Numeric	Label
	299	1	NO
	220	2	YES

F35HEPT3 ----- HEPATIC TENDERNESS (DAY 3)

type: numeric (float)
 label: F35HEPT3
 range: [1,2] units: 1
 unique values: 2 coded missing: 97 / 581

tabulation:	Freq.	Numeric	Label
	291	1	NO
	193	2	YES

F35HEPT4 ----- HEPATIC TENDERNESS (DAY 4)

type: numeric (float)
 label: F35HEPT4
 range: [1,2] units: 1
 unique values: 2 coded missing: 157 / 581

tabulation:	Freq.	Numeric	Label
	257	1	NO
	167	2	YES

F35HEPT5 ----- HEPATIC TENDERNESS (DAY 5)

type: numeric (float)
 label: F35HEPT5
 range: [1,2] units: 1
 unique values: 2 coded missing: 210 / 581

tabulation:	Freq.	Numeric	Label
	231	1	NO
	140	2	YES

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RIGHT UPPER QUADRANT SYNDROME FLOW SHEET - PAGE 1
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F35HEPT6 ----- HEPATIC TENDERNESS (DAY 6)

type: numeric (float)
 label: F35HEPT6

range: [1,2] units: 1
 unique values: 2 coded missing: 245 / 581

tabulation:	Freq.	Numeric	Label
	211	1	NO
	125	2	YES

F35LVR1 ----- LIVER SIZE (CMS) (DAY 1)

type: numeric (float)

range: [0,20] units: 1
 unique values: 21 coded missing: 128 / 581

tabulation:	Freq.	Value	tabulation:	Freq.	Value
	133	0		11	11
	23	1		8	12
	46	2		8	13
	20	3		11	14
	26	4		12	15
	23	5		4	16
	11	6		1	17
	13	7		2	18
	36	8		1	19
	25	9		6	20
	33	10			

F35LVR2 ----- LIVER SIZE (CMS) (DAY 2)

type: numeric (float)

range: [0,20] units: 1
 unique values: 20 coded missing: 168 / 581

tabulation:	Freq.	Value	tabulation:	Freq.	Value
	129	0		22	10
	17	1		9	11
	44	2		7	12
	20	3		7	13
	21	4		7	14
	20	5		11	15
	15	6		6	16
	13	7		2	18
	30	8		1	19
	27	9		5	20

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F35LVR3 ----- LIVER SIZE (CMS) (DAY 3)

type: numeric (float)
 range: [0,21] units: 1
 unique values: 21 coded missing: 204 / 581

tabulation:	Freq.	Value	tabulation:	Freq.	Value
	126	0		9	11
	14	1		7	12
	36	2		5	13
	15	3		7	14
	19	4		9	15
	19	5		4	16
	17	6		1	17
	13	7		2	18
	21	8		5	20
	26	9		1	21
	21	10			

F35LVR4 ----- LIVER SIZE (CMS) (DAY 4)

type: numeric (float)
 range: [0,20] units: 1
 unique values: 20 coded missing: 251 / 581

tabulation:	Freq.	Value	tabulation:	Freq.	Value
	110	0		18	10
	13	1		11	11
	28	2		6	12
	14	3		5	13
	15	4		8	14
	21	5		5	15
	9	6		3	16
	10	7		2	17
	21	8		1	18
	24	9		6	20

F35LVR5 ----- LIVER SIZE (CMS) (DAY 5)

type: numeric (float)
 range: [0,20] units: 1
 unique values: 19 coded missing: 292 / 581

tabulation:	Freq.	Value	tabulation:	Freq.	Value
	90	0		18	10
	11	1		7	11
	25	2		6	12
	12	3		4	13
	14	4		7	14
	21	5		8	15
	8	6		2	16
	9	7		1	18
	20	8		6	20
	20	9			

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RIGHT UPPER QUADRANT SYNDROME FLOW SHEET - PAGE 1
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F35LVR6 ----- LIVER SIZE (CMS) (DAY 6)

type: numeric (float)
 range: [0,20] units: 1
 unique values: 19 coded missing: 317 / 581

tabulation:	Freq.	Value	tabulation:	Freq.	Value
	77	0		18	10
	12	1		6	11
	23	2		4	12
	9	3		3	13
	16	4		6	14
	16	5		10	15
	8	6		2	16
	7	7		1	18
	19	8		6	20
	21	9			

F35SPL1 ----- SPLEEN SIZE (CM BELOW LCM) (DAY 1)

type: numeric (float)
 range: [0,16] units: 1
 unique values: 8 coded missing: 149 / 581

tabulation:	Freq.	Value
	405	0
	4	1
	5	2
	3	3
	1	5
	6	8
	3	10
	5	16

F35SPL2 ----- SPLEEN SIZE (CM BELOW LCM) (DAY 2)

type: numeric (float)
 range: [0,16] units: 1
 unique values: 8 coded missing: 174 / 581

tabulation:	Freq.	Value
	384	0
	2	1
	3	2
	2	3
	1	5
	6	8
	4	10
	5	16

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RIGHT UPPER QUADRANT SYNDROME FLOW SHEET - PAGE 1
CSSCD FULL COHORT PATIENTS

F35SPL3 ----- SPLEEN SIZE (CM BELOW LCM) (DAY 3)

type: numeric (float)

range: [0,16] units: 1
unique values: 9 coded missing: 206 / 581

tabulation:	Freq.	Value
	352	0
	4	1
	2	2
	3	3
	1	5
	2	6
	3	8
	3	10
	5	16

F35SPL4 ----- SPLEEN SIZE (CM BELOW LCM) (DAY 4)

type: numeric (float)

range: [0,16] units: 1
unique values: 8 coded missing: 247 / 581

tabulation:	Freq.	Value
	313	0
	3	1
	1	2
	3	3
	3	6
	3	8
	3	10
	5	16

F35SPL5 ----- SPLEEN SIZE (CM BELOW LCM) (DAY 5)

type: numeric (float)

range: [0,16] units: 1
unique values: 8 coded missing: 292 / 581

tabulation:	Freq.	Value
	273	0
	1	2
	2	3
	1	5
	1	6
	3	8
	3	10
	5	16

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RIGHT UPPER QUADRANT SYNDROME FLOW SHEET - PAGE 1
CSSCD FULL COHORT PATIENTS

F35SPL6 ----- SPLLEN SIZE (CM BELOW LCM) (DAY 6)

type: numeric (float)

range: [0,16]

units: 1

unique values: 8

coded missing: 317 / 581

tabulation:	Freq.	Value
	248	0
	1	2
	1	3
	1	5
	1	6
	4	8
	3	10
	5	16

7.3.1: Right Upper Quadrant (RUQ) Syndrome – Form 34

F35CBHB1 ----- CBC HB (G|DL) (DAY 3)

type: numeric (float)

range: [3.2,16.8] units: .1
unique values: 98 coded missing: 145 / 581

mean: 9.10069
std. dev: 2.19465

percentiles:	10%	25%	50%	75%	90%
	6.6	7.5	8.75	10.7	12

F35CBHB2 ----- CBC HB (G|DL) (DAY 6)

type: numeric (float)

range: [4.1,16.3] units: .1
unique values: 85 coded missing: 303 / 581

mean: 9.33993
std. dev: 2.20869

percentiles:	10%	25%	50%	75%	90%
	6.7	7.5	9.3	10.9	12.3

F35CBHC1 ----- CBC HCT (%) (DAY 3)

type: numeric (float)

range: [8.1,52] units: .1
unique values: 212 coded missing: 136 / 581

mean: 26.8652
std. dev: 6.82761

percentiles:	10%	25%	50%	75%	90%
	19.2	21.9	25.9	31.6	36.2

F35CBHC2 ----- CBC HCT (%) (DAY 6)

type: numeric (float)

range: [13.5,48] units: .1
unique values: 164 coded missing: 301 / 581

mean: 27.7307
std. dev: 6.57075

percentiles:	10%	25%	50%	75%	90%
	19.7	22.4	27.35	32.5	36.8

7.3.1: Right Upper Quadrant (RUQ) Syndrome – Form 34

F35CBWB1 ----- CBC WBC|CU. MM. (DAY 3)

type: numeric (float)

range: [4.4,82.8] units: .1
unique values: 194 coded missing: 144 / 581

mean: 15.381
std. dev: 7.53705

percentiles:	10%	25%	50%	75%	90%
	8.2	10.5	13.6	18.8	24.1

F35CBWB1:

1. Value should be uncorrected for nucleated RBCs.

F35CBWB2 ----- CBC WBC|CU. MM. (DAY 6)

type: numeric (float)

range: [1.5,49.3] units: .1
unique values: 147 coded missing: 310 / 581

mean: 14.9697
std. dev: 6.71161

percentiles:	10%	25%	50%	75%	90%
	8.3	10.5	13.2	18.4	23.6

F35CBWB2:

1. Value should be uncorrected for nucleated RBCs.

F35SGOT1 ----- SGOT (UNITS) (DAY 3)

type: numeric (float)

range: [9,9250] units: 1
unique values: 192 coded missing: 246 / 581

mean: 235.949
std. dev: 673.412

percentiles:	10%	25%	50%	75%	90%
	27	45	79	163	402

F35SGOT1:

1. If CLINIC=C or D, need to convert values $F35SGOT(x) = F35SGOT(x) * 0.3$

7.3.1: Right Upper Quadrant (RUQ) Syndrome – Form 34

F35SGOT2 ----- SGOT (UNITS) (DAY 6)

type: numeric (float)
range: [6,4440] units: 1
unique values: 138 coded missing: 383 / 581

mean: 294.48
std. dev: 688.134

percentiles: 10% 25% 50% 75% 90%
25 50 89 190 511

F35SGOT2:

1. If CLINIC=C or D, need to convert values $F35SGOT(x)=F35SGOT(x) * 0.3$

F35BLRB1 ----- BILIRUBIN (MG|DL) (DAY 3)

type: numeric (float)
range: [.2,92.2] units: .1
unique values: 169 coded missing: 224 / 581

mean: 11.8686
std. dev: 16.091

percentiles: 10% 25% 50% 75% 90%
1.1 2.1 5 14.5 34.4

F35BLRB2 ----- BILIRUBIN (MG|DL) (DAY 6)

type: numeric (float)
range: [.2,81] units: .1
unique values: 137 coded missing: 374 / 581

mean: 12.5841
std. dev: 15.6995

percentiles: 10% 25% 50% 75% 90%
1.1 2.2 5.6 17.5 36.7

F35ALPH1 ----- ALKALINE PHOSPHATASE (UNITS) (DAY 3)

type: numeric (float)
range: [10,999] units: 1
unique values: 210 coded missing: 256 / 581

mean: 210.083
std. dev: 170.221

percentiles: 10% 25% 50% 75% 90%
67 93 154 259 431

F35ALPH1:

1. If CLINIC=C or D, need to convert $F35ALPH(x)=F35ALPH(x) / 0.87$

7.3.1: Right Upper Quadrant (RUQ) Syndrome – Form 34

F35ALPH2 ----- ALKALINE PHOSPHATASE (UNITS) (DAY 6)

type: numeric (float)

range: [35,895] units: 1
unique values: 158 coded missing: 379 / 581

mean: 236.861
std. dev: 173.863

percentiles: 10% 25% 50% 75% 90%
72 106 185.5 330 463

F35ALPH2:

1. If CLINIC=C or D, need to convert $F35ALPH(x) = F35ALPH(x) / 0.87$

F35AMYL1 ----- AMYLASE (UNITS|DL) (DAY 3)

type: numeric (float)

range: [16,800] units: 1
unique values: 100 coded missing: 426 / 581

mean: 126.226
std. dev: 113.298

percentiles: 10% 25% 50% 75% 90%
40 59 84 180 223

F35AMYL1:

1. A value of 999 was entered if the value was ≥ 1000

F35AMYL2 ----- AMYLASE (UNITS|DL) (DAY 6)

type: numeric (float)

range: [14,800] units: 1
unique values: 53 coded missing: 515 / 581

mean: 125.364
std. dev: 116.631

percentiles: 10% 25% 50% 75% 90%
36 60 92.5 180 196

F35AMYL2:

1. A value of 999 was entered if the value was ≥ 1000

_dta:

1. Run on 08/16/99.

ain in the right upper quadrant of the abdomen, a two-fold increase in total bilirubin over baseline, a two centimeter increase in liver size over baseline, a two-fold increase in SGOT over baseline. The form was designed to capture the

7.3.1: Right Upper Quadrant (RUQ) Syndrome – Form 34

following events: cholecystitis, hepatitis, pancreatitis, cholangitis, and other disorders of the gallbladder, liver, and biliary tract.

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

Form 34 was used between 03/79 and 06/86 for all patients and continued to be used for patients entered at < 6 months of age through 12/86.

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

L. Files Used to Store Information:

SAS System File: **R34.SD2**

Format File: **R34.FMT**

M. Unique Record Identifiers: **ANONID, F34DATE**

Records within the SAS dataset are sorted by **ANONID** and **F34DATE**.

N. Number of Observations (Patients) in SAS Dataset: 367 (278)

O. Contents of SAS Dataset:

- Alphabetical Listing of Variables: See pp. 314-317
- Listing of Variables by Position: See pp. 318-320

The following items, which were collected on Form 34, were not entered on the database: HbS, dates of sonogram, oral cholecystogram, percutaneous cholangiogram, rose bengal scan, and liver biopsy.

P. Notes About Selected Variables:

- **F34EVENT** – is a concatenated variable consisting of 4 2-digit codes which identify forms completed in addition to Form 34; values are left justified so that there were fewer than 4 associated event forms completed, there will be trailing zeros – e.g., a value of “84000000” means that only a transfusion form (Form 84) was completed in association with the Form 34.
- **F34TMPH** – is the variable name for how temperature was taken. Although Form 34 has only two response choices for this variable (“oral” or “rectal”), a third choice (“axillary”) was defined as a valid response for this variable on the database.
- **F34CBCWB** – is the CBC white blood cell count variable. This value should be uncorrected for nucleated RBCs. However, there is really no way of knowing

7.3.1: Right Upper Quadrant (RUQ) Syndrome – Form 34

- whether clinics adhered to the policy of recording WBCs which were uncorrected for nucleated RBCs.
- **F34NRB** – is the nucleated RBC variable. The field length for this variable is only two digits – if there were more than 100 nucleated RBCs/100 WBC, a value of 99 was entered.
 - **CBC WBC Differential** – Some of the WBC differential variables (**F34DFPMN**, **F34DFBND**, **F34DEOS**, **F34DFBAS**, **F34DFLYM**, **F34DFMON**, **F34DFMM**, **F34DFATC**) may have missing values when the value should in fact be “0” since some clinic personnel just entered numbers for variables with non-zero values. If the sum of differential variables with non-missing values is 100, the differential variables with missing values are assumed to have a value of 0.
 - **F34ALKPH** – is the variable name for alkaline phosphatase. The field length for this variable is only three digits. If the value was ≥ 1000 , a value of 999 was entered.
 - **F34LDH** – is the variable name for LDH. The field length for this variable is only three digits. If the value was ≥ 1000 , a value of 999 was entered.
 - **F34SRMAM** – is the variable name for serum amylase. The field length for this variable is only three digits. If the value was ≥ 1000 , a value of 999 was entered.
 - **Liver Function Tests Performed at Clinics C and D** – The units of measurement used for recording results of SGOT, alkaline phosphatase, and LDH at Clinics C and D were not the same as those requested on Form 34. Consequently, test results from patients at Clinics C and D only must be converted for these three variables:

<u>Variable</u>	<u>Conversion Formula</u>
F34SGOT	F34SGOT=F34SGOT x 0.3
F34ALKPH	F34ALKPH=F34ALKPH / 0.87
F34LDH	F34LDH= F34LDH x 2.7

- **F34XGAL**, **F34SGAL**, **F34OGAL** – are the variable names for gallstones on plain film of abdomen, sonogram, and oral cholecystogram respectively. Although Form 34 has only two response choices for these variables (“present” or “absent”), a third choice (“equivocal”) was defined as a valid response for these variables on the database.

7.3.1: Right Upper Quadrant (RUQ) Syndrome – Form 34

- **F34XPNC** – is the variable name for pancreatic calcification on plain film. Although Form 34 has only two response choices (“present” or “absent”), a third choice (“equivocal”) was defined as a valid response for this variable on the database.

Q. Computed Variables:

- **F34FLOWS** – is the number of follow-up flow sheets (Form 35s) associated with a given RUQ event. The value was derived by linking “Record 35” with “Record 34” by *date patient first sought care* for the RUQ event (**F35DATE=F34DATE**) and counting the number of flow sheet records which linked.
- **F34DHOSP** – is the number of days the patient was hospitalized or seen daily. The number of days “hospitalized” was derived by linking all flow sheet record(s) (“Record 35”) with “Record 34” by *date patient first sought care* for the RUQ event (**F35DATE=F34DATE**) and counting the number of days data were collected.
- **F34FRM52** – is the associated event code number (**F52TYPE**) entered on the Acute Treatment Follow-up record (“Record 52”) which links with “Record 34” by *date patient first sought care* for the RUQ event (**F52DATE=F34DATE**). Values for **F34FRM52** were derived by linking “Record 34” with “Record 52” by *date patient first sought care* and making **F34FRM52** equal to the value of **F52TYPE**. The only valid values of **F52TYPE** are 30 (pain), 32 (acute chest), 34 (RUQ), 36 (skeletal & joint), 38 (hand/foot), 42 (meningitis), 44 (CVA), 46 (acute anemic event), 48 (acute febrile event), 50 (priapism). However, the variable **F34FRM52** may also have a value of “31” or “33” if “Record 34” did not link with a “Record 52” but did link with either a 31 (pain/skel & joint flow sheet) or a 33 (acute chest syndrome flow sheet) – i.e., the RUQ event was associated with one of these events and the flow sheet used (31 or 33) collected the same information as “Record 52” regarding treatment and outcome.

R. Inter-Relationship With Other Datasets:

1. RUQ event data were also collected on

Phase 1 Forms	SAS Dataset
----------------------	--------------------

Form 53	R53.SD2
---------	----------------

[See Section 7.9]

7.3.1: Right Upper Quadrant (RUQ) Syndrome – Form 34

2. Follow-up and treatment for RUQ events which were reported on Form 34 were collected on

Phase 1 Forms	SAS Dataset
Form 35	R35.SD2
Form 52	R52.SD2

Records in **R35.SD2** and **R52.SD2** should be linked to the appropriate RUQ event “Record 34” by the date patient first sought care for the event (i.e., if **F35DATE=F34DATE** or if **F52DATE=F34DATE**).

- a. Form 35 is the Right Upper Quadrant Syndrome Flow Sheet. Data collected on this form are stored in **R35.SD2**. The form was completed if a patient was either hospitalized or seen on a daily basis as an outpatient for an RUQ event. The flow sheet contains daily information from day 2 through the date of discharge. Each “Record 35” contains 6 days of hospital information; consequently, multiple “Record 35s” can exist for a given RUQ event dependent on length of stay.

“Record 35s” are sorted by ID # of patient (**ANONID**), date patient first sought care (**F35DATE**), and flow sheet number (**F35SHEET**) – i.e., information for hospital days 2-7 should be on **F35SHEET=01**, information for hospital days 8-13 should be on **F35SHEET=02**, etc.). [See Section 7.3.2 for details]

- b. Form 52 is the Acute Event Treatment Follow-up form. Data collected on this form are stored in **R52.SD2**. This form, which was supposed to be completed for all RUQ events regardless of whether the patient was hospitalized, contains information regarding treatment, resolution of symptoms, and final diagnosis.

Form 52 was used for RUQ event follow-up data until December 1986 for patients entered at < 6 months of age.

The linking variable for Record 34 and Record 52 is date patient first sought care (i.e., if **F52DATE=F34DATE**).

If the value of **F34FRM52** is “31,” “Record 34” should be linked by date to “Record 31” (rather than “Record 52”) to obtain information regarding treatment, resolution of symptoms, etc. [See Section 7.1.4]. If the value of **F34FRM52** is “33,” “Record 34” should be linked by date to “Record 33”

7.3.1: Right Upper Quadrant (RUQ) Syndrome – Form 34

(rather than “Record 52”) to obtain information about treatment, etc. [See Section 7.2.3]. More than one “Record 31” (or “Record 33”) may link with (i.e., have the same date as) “Record 34” depending on the length of hospitalization. If this is the case, the treatment, resolution of symptoms, and final diagnosis summary data will, in most instances, be recorded only on the last record which links (i.e., the record with the highest **F31SHEET** number or the record with the highest **F33SHEET** number).

Form 52 was used as the follow-up form for all acute events and is described in detail in Section 7.10.

- Other sources which collect information about RUQ event history, symptoms, diagnostic and surgical procedures are

Phase 1 Forms	SAS Dataset
Form 10	R10.SD2
Form 25	R25.SD2
Form 26	R20.SD2
Form 77	R77.SD2
Form 78	R78.SD2
Form 79	R79.SD2
Form 83	R83.SD2
“Patient Roster”	R09.SD2

The table below summarizes the data collected on these forms which pertain to RUQ problems:

Form #	Form Name	SAS Dataset	Type of Information Collected	Variable Name
10	Past Medical History	R10.SD2	History of liver, gallbladder disorders and surgery prior to entry	F10LIVS F10ACHO F10HEPA F10OPGB F10OPGBD
25	Extension Annual Visit	R25.SD2	History of RUQ events, symptoms, surgery within 12 months preceding visit	F25GALB1-2 F25GALD1-2 F25ERRUQ F25HOSRU F25RUQ1-4
26	Supplement to Annual	R20.SD2	History of hepatitis since entry	F20HEP F20HEPA F20HEPB F20HEPN F20HEPCM

7.3.1: Right Upper Quadrant (RUQ) Syndrome – Form 34

77	Plain Film Report Form	R77.SD2	Results of plain film	XGAL
78	Sonogram Report Form	R78.SD2	Results of sonograms	SONO
79	Oral Cholecystogram	R79.SD2	Results of oral cholecystogram	ORCH
83	Surgery & Anesthesia	R83.SD2	Pre- & post-op diagnosis codes, surgical procedure codes*	F83PRE1-3 F83PICDA F83ICDA
		R09.SD2	Performance status of special studies of abdomen	PFLMSTAT SONOGRAM

* use ICD Codebook to identify diagnosis/procedure codes applicable for RUQ problems.

Steady-state liver size and/or liver function test data were collected on the following routine visit forms [See Section 4.0]:

Phase 1 Form	SAS Dataset
Form 16	R16.SD2
Form 16E	R24.SD2
Form 11	R1121.SD2
Form 12	R1222.SD2
Forms 17, 19, 20, 21, 22, 24	R1722.SD2
Form 25	R25.SD2

Since LFT and liver size measurements were repeated several times during the study and the criteria used for defining RUQ events were based on the changes in values from “baseline: or steady-state,” the definition of “steady-state” values for bilirubin, SGOT, and liver size were defined as the lowest values recorded at a regularly scheduled visit which preceded the event when the patient was not experiencing an acute event. The definition of steady-state was chosen to maximize the number of events reported.

Screening for RUQ events was also done on the Painful Episode Form (Form 30, **R30.SD2**). If a reported site of pain (**F30SITE1-4**) was the abdomen, responses to questions regarding abdominal tenderness (**F30ABTS1-3**), rebound tenderness (**F30ARTS1-3**), rigidity (**F30ABDRG**), and presence of bowel sounds (**F30ABDBS**) were required. In addition, total bilirubin (**F30BLRBN**) and serum amylase (**F30SRMAM**) results were required.

7.3.1: Right Upper Quadrant (RUQ) Syndrome – Form 34

CONTENTS OF SAS DATASET: R34.SD2
DATA FROM CSSCD FORM 34 - RIGHT UPPER QUADRANT SYNDROME
VARIABLES ARE LISTED IN ALPHABETICAL ORDER AND IN ORDER OF THEIR POSITION
IN THE SAS DATASET AND ON FORM 34

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Data Set Name	OUT1.R34	Observations	367
Member Type	DATA	Variables	104
Engine	V9	Indexes	0
Created	16:16 Thursday, November 30, 2006	Observation Length	784
Last Modified	16:16 Thursday, November 30, 2006	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	WINDOWS		
Encoding	wlatin1 Western (Windows)		

Engine/Host Dependent Information

Data Set Page Size	16384
Number of Data Set Pages	20
First Data Page	1
Max Obs per Page	20
Obs in First Data Page	4
Number of Data Set Repairs	0
File Name	r34.sas7bdat
Release Created	9.0000M0
Host Created	XP_PRO

SECTION 7.3.1 RIGHT UPPER QUADRANT (RUQ) SYNDROME

FORM 34

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CODEBOOK FOR CSSCD FORM 34
RIGHT UPPER QUADRANT (RUQ) SYNDROME

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
1	ANONID	Char	8	ANONYMIZED ID #
45	F34ABDBS	Num	8	BOWEL SOUNDS PRESENT
46	F34ABDRG	Num	8	RIGID ABDOMEN
34	F34ABTS1	Char	3	ABDOMINAL TENDERNESS SITE
35	F34ABTS2	Char	3	ABDOMINAL TENDERNESS SITE
36	F34ABTS3	Char	3	ABDOMINAL TENDERNESS SITE
77	F34ALKPH	Num	8	ALKALINE PHOSPHATASE
8	F34AMPM	Num	8	AM OR PM
38	F34ARTS1	Char	3	REBOUND TENDERNESS SITE
39	F34ARTS2	Char	3	REBOUND TENDERNESS SITE
40	F34ARTS3	Char	3	REBOUND TENDERNESS SITE
41	F34ASC	Num	8	ASCITES?
42	F34ASC1	Char	3	ASCITES SITE
43	F34ASC2	Char	3	ASCITES SITE
44	F34ASC3	Char	3	ASCITES SITE
75	F34BILE	Num	8	URINALYSIS BILE
78	F34BLRBN	Num	8	BILIRUBIN
57	F34CBCHB	Num	8	CBC HB
58	F34CBCHC	Num	8	CBC HCT
61	F34CBCMV	Num	8	CBC MCV
59	F34CBCRB	Num	8	CBC RBC
60	F34CBCWB	Num	8	CBC WBC
97	F34CHOL	Num	8	PERCUTANEOUS CHOLANGIOGRAM
22	F34CLAM	Num	8	RAW CLAMS OR OYSTERS
47	F34COST	Num	8	COSTOVERTEBRAL ANGLE TENDERNESS?
48	F34CSTV	Char	3	COSTOVERTEBRAL ANGLE SITE
79	F34DBLRB	Num	8	DIRECT BILIRUBIN

CODEBOOK FOR CSSCD FORM 34
RIGHT UPPER QUADRANT (RUQ) SYNDROME

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Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
68	F34DFATC	Num	8	DIFFERENTIAL ATYPICAL CELLS
65	F34DFBAS	Num	8	DIFFERENTIAL BASOPHILS
63	F34DFBND	Num	8	DIFFERENTIAL BANDS
64	F34DFEOS	Num	8	DIFFERENTIAL EOSINOPHILS
66	F34DFLYM	Num	8	DIFFERENTIAL LYMPHOCYTES
69	F34DFMM	Num	8	DIFFERENTIAL METAMYELOCYTES MYELOCYTES
67	F34DFMON	Num	8	DIFFERENTIAL MONOCYTES
62	F34DFPMN	Num	8	DIFFERENTIAL PMN
102	F34DHOSP	Num	8	NUMBER OF DAYS HOSPITALIZED
2	F34EVENT	Num	8	ASSOCIATED EVENTS
100	F34FLOWS	Num	8	NUMBER OF FLOWSHEETS
101	F34FRM52	Num	8	IS THERE A 52 ON THE DATABASE
55	F34GALL	Num	8	GALLBLADDER PALPABLE
21	F34HEPAT	Num	8	CONTACT WITH HEPATITIS
11	F34HIST1	Num	8	FEVER WITHIN 48 HRS BEFORE EVENT
12	F34HIST2	Num	8	INDIGESTION WITHIN 48 HRS BEFORE EVENT
13	F34HIST3	Num	8	APPETITE LOSS WI 48 HRS BEFORE EVENT
14	F34HIST4	Num	8	NAUSEA WITHIN 48 HRS BEFORE EVENT
15	F34HIST5	Num	8	VOMITING WITHIN 48 HRS BEFORE EVENT
16	F34HIST6	Num	8	DARK URINE WITHIN 48 HRS BEFORE EVENT
17	F34HIST7	Num	8	LIGHT STOOL WITHIN 48 HRS BEFORE EVENT
18	F34HIST8	Num	8	MORE ALCOHOL WI 48 HRS BEFORE EVENT
3	F34HOSP	Num	8	HOSPITALIZED
7	F34HOUR	Num	8	HOUR WHEN PAIN BEGAN
83	F34HPBOD	Num	8	HEPATITIS B SPLIT ANTIBODY
82	F34HPGEN	Num	8	HEPATITIS B SPLIT ANTIGEN
80	F34LDH	Num	8	LDH
99	F34LIVER	Num	8	LIVER BIOPSY
49	F34LVRSZ	Num	8	SIZE OF LIVER
50	F34LVRTN	Num	8	LIVER TENDERNESS
25	F34MDT1	Num	8	MEDICATION DAYS TAKEN
27	F34MDT2	Num	8	MEDICATION DAYS TAKEN
29	F34MDT3	Num	8	MEDICATION DAYS TAKEN
23	F34MED	Num	8	TAKEN ANY MEDICATION
24	F34MED1	Num	8	MEDICATION CODE
26	F34MED2	Num	8	MEDICATION CODE
28	F34MED3	Num	8	MEDICATION CODE
70	F34NRB	Num	8	NUCLEATED RED BLOOD CELLS
95	F34OGAL	Num	8	CHOLECYSTOGRAM GALLSTONES
96	F34OGALB	Num	8	CHOLECYSTOGRAM GALLBLADDER FUNCTIONAL
56	F34OPHYS	Num	8	OTHER PHYSICAL FINDINGS
92	F34ORCDN	Num	8	ORAL CHOL. DONE OR NOT DONE
94	F34ORCH	Num	8	ORAL CHOL. RESULTS
93	F34ORCSD	Num	8	ORAL CHOL. SINGLE OR DOUBLE
5	F34PAIN	Num	8	PAIN IN UPPER RIGHT QUADRANT
6	F34PAIN2	Num	8	SEVERITY OF PAIN
37	F34REBTN	Num	8	REBOUND TENDERNESS?
71	F34RETIC	Num	8	RETICULOCYTES

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RIGHT UPPER QUADRANT (RUQ) SYNDROME

98	F34ROSE	Num	8	ROSE BENGAL SCAN
90	F34SGAL	Num	8	SONOGRAM GALLSTONES
91	F34SGALB	Num	8	SONOGRAM GALLBLADDER ENLARGED
76	F34SGOT	Num	8	SGOT

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RIGHT UPPER QUADRANT (RUQ) SYNDROME

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Alphabetic List of Variables and Attributes

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89	F34SONO	Num	8	SONOGRAM RESULTS
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54	F34SPLTN	Num	8	SPLEEN TENDERNESS
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81	F34SRMAM	Num	8	SERUM AMYLASE
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CODEBOOK FOR CSSCD FORM 34
RIGHT UPPER QUADRANT (RUQ) SYNDROME

* R34.FMT contains value labels for numerical codes assigned to categorical*

* variables in the SAS dataset F34.SD2

*

****;

* SIR/DBMS 2.2 SAS PROC STEP FROM DATABASE: CSSCD 11/07/98 09:51:04;

PROC FORMAT;

* FORMAT NO_YES is used for the following variables: F34HOSP,
F34TRANS, F34PAIN, F34MED,
F34TRNS, F34TEND, F34REBTN, F34ASC, F34ABDBS, F34ABDRG, F34SPLP,
F34GALL, F34OPHYS;

VALUE NO_YES

1 = 'NO'
2 = 'YES';

* FORMAT F34PAINF is used for the variable F34PAIN2;

VALUE F34PAINF

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

VALUE F34AMPM

1 = 'AM'
2 = 'PM';

VALUE F34TYPE

1 = 'INTERMITTENT'
2 = 'CONSTANT';

* FORMAT NODKYES is used for the following variables: F34TYPSC,
F34HIST1-F34HIST8, F34TOX24

F34TOXWK, F34HEPAT, F34CLAM;

VALUE NODKYES

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

VALUE F34TMPH

1 = 'ORAL'
2 = 'RECTAL'

CODEBOOK FOR CSSCD FORM 34
RIGHT UPPER QUADRANT (RUQ) SYNDROME

3 = 'AXILLARY';

* FORMAT ABS_PRES is used for the variables: F34COST, F34LVRTN,
F34SPLTN;

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

VALUE F34URPRO
1 = 'NEG'
2 = 'TR'
3 = '1+'
4 = '2+'
5 = '3+'
6 = '4+';

* FORMAT PRES_ABS is used for the variables: F34URMRH, F34URMWH,
F34BILE;

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

* FORMAT NEG_POS is used for the variables: F34HPGEN, F34HPBOD;

VALUE NEG_POS
1 = 'NEG'
2 = 'POS';

* FORMAT PREABSEQ is used for the variables: F34XGAL, F34XPNC,
F34SGAL, F34OGAL;

VALUE PREABSEQ
1 = 'PRESENT'
2 = 'ABSENT'
3 = 'EQUIVOCAL';

* FORMAT YES_NO is used for the variables F34XGFL, F34SGALB, F34OGALB;

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

VALUE F34XPSOA
1 = 'SEEN'
2 = 'NOT SEEN';

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* FORMAT DN_NOTDN is used for the variables: F34SONDN, F34ORCDN, F34CHOL, F34ROSE, F34LIVER;

```
VALUE DN_NOTDN
  1           = 'DONE'
  2           = 'NOT DONE';
```

* FORMAT ABN_NORM is used for the variables: F34SONO, F34ORCH;

```
VALUE ABN_NORM
  1           = 'ABNORMAL'
  2           = 'NORMAL';
```

```
VALUE F34ORCSD
  1           = 'SINGLE'
  2           = 'DOUBLE';
```

* FORMAT

```
F34HOSP F34TRANS F34PAIN F34MED F34TRNS
F34TEND F34REBTN F34ASC F34ABDBS F34ABDRG
F34SPLP F34GALL F34OPHYS NO_YES.
F34PAIN2 F34PAINF.
F34AMPM F34AMPM.
F34TYPE F34TYPE.
F34TYPSC F34HIST1-F34HIST8 F34TOX24
F34TOXWK F34HEPAT F34CLAM NODKYES.
F34TMPH F34TMPH.
F34COST F34LVRTN F34SPLTN ABS_PRES.
F34URPRO F34URPRO.
F34URMRH F34URMWH F34BILE PRES_ABS.
F34HPGEN F34HPBOD NEG_POS.
F34XGAL F34XPNC F34SGAL F34OGAL PREABSEQ.
F34XGFL F34SGALB F34OGALB YES_NO.
F34XPSOA F34XPSOA.
F34SONDN F34ORCDN F34CHOL F34ROSE F34LIVER DN_NOTDN.
F34SONO F34ORCH ABN_NORM.
F34ORCSD F34ORCSD.;
```

```
RUN;
QUIT;
```

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RIGHT UPPER QUADRANT (RUQ) SYNDROME - PAGE 1
 CSSCD FULL COHORT PATIENTS

F34VDATE ----- VERSION DATE **DELETED**

type: numeric (int)
 label: datelab
 range: [6999,7528] units: 1
 unique values: 2 coded missing: 0 / 367

tabulation:	Freq.	Numeric	Label
	54	6999	
	313	7528	08/11/80

F34EVNT1 ----- ASSOCIATED EVENT CODE 1

type: numeric (float)
 range: [25,90] units: 1
 unique values: 18 coded missing: 132 / 367

tabulation:	Freq.	Value	tabulation:	Freq.	Value
	2	25		13	48
	51	30		5	52
	1	31		27	54
	13	32		1	70
	1	33		1	79
	1	34		1	82
	37	35		28	83
	1	44		45	84
	4	46		3	90

- F34EVNT1:
1. COMPUTED VARIABLE: F34EVNT1=int(F34EVENT/1000000), not saved in R34.SD2.
 2. See APPENDIX L for FORM CODES.

F34EVNT2 ----- ASSOCIATED EVENT CODE 2

type: numeric (float)
 range: [0,91] units: 1
 unique values: 25 coded missing: 132 / 367

tabulation:	Freq.	Value	tabulation:	Freq.	Value
	63	0		1	47
	1	8		6	48
	1	26		2	49
	4	30		23	52
	10	31		1	53
	16	32		10	54
	4	33		1	60
	1	34		5	62
	12	35		1	82
	2	36		21	83
	1	43		41	84
	6	46		1	90
				1	91

- F34EVNT2:
1. COMPUTED VARIABLE: F34EVNT2=int((F34EVENT-F34EVNT1*1000000)/10000), not saved in R34.SD2
 2. See APPENDIX L for FORM CODES.

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F34EVNT3 ----- ASSOCIATED EVENT CODE 3

type: numeric (float)

range: [0,91] units: 1
 unique values: 22 coded missing: 132 / 367

tabulation:	Freq.	Value	tabulation:	Freq.	Value
	146	0		2	48
	1	24		1	49
	1	30		16	52
	2	31		2	54
	4	32		4	62
	2	33		1	64
	1	34		1	78
	16	35		1	80
	1	36		7	83
	7	46		17	84
	1	47		1	91

F34EVNT3:

1. COMPUTED VARIABLE:

F34EVNT3=int((F34EVENT-F34EVNT1*1000000-F34EVNT2*10000)/100, not saved in R34.SD2

2. See APPENDIX L for FORM CODES.

F34EVNT4 ----- ASSOCIATED EVENT CODE 4

type: numeric (float)

range: [0,96] units: 1
 unique values: 13 coded missing: 132 / 367

tabulation:	Freq.	Value	tabulation:	Freq.	Value
	188	0		6	48
	5	4		10	52
	1	12		1	60
	4	32		1	64
	2	36		1	80
	3	46		12	84
				1	96

F34EVNT4:

1. COMPUTED VARIABLE:

F34EVNT4=(F34EVENT-F34EVNT1*1000000-F34EVNT2*10000-F34EVNT3*100), not saved in R34.SD2

2. See APPENDIX L for FORM CODES.

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F34HOSP ----- HOSPITALIZED

type: numeric (float)
label: F34HOSP

range: [1,2] units: 1
unique values: 2 coded missing: 0 / 367

tabulation:	Freq.	Numeric	Label
	56	1	NO
	311	2	YES

F34TRANS ----- TRANSFUSED IN LAST 6 MONTHS

type: numeric (float)
label: F34TRANS

range: [1,2] units: 1
unique values: 2 coded missing: 9 / 367

tabulation:	Freq.	Numeric	Label
	251	1	NO
	107	2	YES

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F34PAIN ----- PAIN IN UPPER RIGHT QUADRANT

type: numeric (float)
 label: F34PAIN
 range: [1,2] units: 1
 unique values: 2 coded missing: 4 / 367

tabulation:	Freq.	Numeric	Label
	33	1	NO
	330	2	YES

F34PAIN2 ----- SEVERITY OF PAIN

type: numeric (float)
 label: F34PAIN2
 range: [1,3] units: 1
 unique values: 3 coded missing: 30 / 367

tabulation:	Freq.	Numeric	Label
	37	1	MILD
	127	2	MODERATE
	173	3	SEVERE

F34PAIN2:

1. Required only if F34PAIN=2.

F34AMPM ----- AM OR PM

type: numeric (float)
 label: F34AMPM
 range: [1,2] units: 1
 unique values: 2 coded missing: 85 / 367

tabulation:	Freq.	Numeric	Label
	125	1	AM
	157	2	PM

F34AMPM:

1. Required only if F34PAIN=2.
2. Not collected before 08/11/80.
3. Required only if age > 10.

F34TYPE ----- TYPE OF PAIN

type: numeric (float)
 label: F34TYPE
 range: [1,2] units: 1
 unique values: 2 coded missing: 37 / 367

tabulation:	Freq.	Numeric	Label
	167	1	INTERMITTENT
	163	2	CONSTANT

F34TYPE:

1. Required only if F34PAIN=2.
2. Required only if age > 10.

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F34TYPSC ----- TYPICAL SICKLE CELL PAIN

type: numeric (float)
 label: F34TYPSC

range: [1,3] units: 1
 unique values: 3 coded missing: 33 / 367

tabulation:	Freq.	Numeric	Label
	207	1	NO
	60	2	DK
	67	3	YES

F34TYPSC:

1. Required only if F34PAIN=2.
2. Required only if age > 10.

F34HIST1 ----- FEVER WITHIN 48 HRS BEFORE EVENT

type: numeric (float)
 label: F34HIST1

range: [1,3] units: 1
 unique values: 3 coded missing: 2 / 367

tabulation:	Freq.	Numeric	Label
	227	1	NO
	13	2	DK
	125	3	YES

F34HIST2 ----- INDIGESTION WITHIN 48 HRS BEFORE EVENT

type: numeric (float)
 label: F34HIST2

range: [1,3] units: 1
 unique values: 3 coded missing: 2 / 367

tabulation:	Freq.	Numeric	Label
	234	1	NO
	19	2	DK
	112	3	YES

F34HIST3 ----- APPETITE LOSS WI 48 HRS BEFORE EVENT

type: numeric (float)
 label: F34HIST3

range: [1,3] units: 1
 unique values: 3 coded missing: 5 / 367

tabulation:	Freq.	Numeric	Label
	171	1	NO
	14	2	DK
	177	3	YES

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F34HIST4 ----- NAUSEA WITHIN 48 HRS BEFORE EVENT

type: numeric (float)
 label: F34HIST4
 range: [1,3] units: 1
 unique values: 3 coded missing: 5 / 367
 tabulation: Freq. Numeric Label
 154 1 NO
 10 2 DK
 198 3 YES

F34HIST5 ----- VOMITING WITHIN 48 HRS BEFORE EVENT

type: numeric (float)
 label: F34HIST5
 range: [1,3] units: 1
 unique values: 3 coded missing: 4 / 367
 tabulation: Freq. Numeric Label
 204 1 NO
 8 2 DK
 151 3 YES

F34HIST6 ----- DARK URINE WITHIN 48 HRS BEFORE EVENT

type: numeric (float)
 label: F34HIST6
 range: [1,3] units: 1
 unique values: 3 coded missing: 4 / 367
 tabulation: Freq. Numeric Label
 183 1 NO
 15 2 DK
 165 3 YES

F34HIST7 ----- LIGHT STOOL WITHIN 48 HRS BEFORE EVENT

type: numeric (float)
 label: F34HIST7
 range: [1,3] units: 1
 unique values: 3 coded missing: 4 / 367
 tabulation: Freq. Numeric Label
 288 1 NO
 39 2 DK
 36 3 YES

F34HIST8 ----- MORE ALCOHOL WI 48 HRS BEFORE EVENT

type: numeric (float)
 label: F34HIST8
 range: [1,3] units: 1
 unique values: 3 coded missing: 11 / 367
 tabulation: Freq. Numeric Label
 350 1 NO
 3 2 DK
 3 3 YES

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 CSSCD FULL COHORT PATIENTS

F34TOX24 ----- TOXIC EXPOSURE IN 24 HOURS

type: numeric (float)
 label: F34TOX24
 range: [1,3] units: 1
 unique values: 3 coded missing: 3 / 367
 tabulation: Freq. Numeric Label
 353 1 NO
 9 2 DK
 2 3 YES

F34TOXWK ----- TOXIC EXPOSURE IN 2 WEEKS

type: numeric (float)
 label: F34TOXWK
 range: [1,3] units: 1
 unique values: 3 coded missing: 5 / 367
 tabulation: Freq. Numeric Label
 338 1 NO
 19 2 DK
 5 3 YES

F34HEPAT ----- CONTACT WITH HEPATITIS

type: numeric (float)
 label: F34HEPAT
 range: [1,3] units: 1
 unique values: 3 coded missing: 4 / 367
 tabulation: Freq. Numeric Label
 318 1 NO
 39 2 DK
 6 3 YES

F34CLAM ----- RAW CLAMS OR OYSTERS

type: numeric (float)
 label: F34CLAM
 range: [1,3] units: 1
 unique values: 3 coded missing: 4 / 367
 tabulation: Freq. Numeric Label
 350 1 NO
 10 2 DK
 3 3 YES

F34MED ----- TAKEN ANY MEDICATION

type: numeric (float)
 label: F34MED
 range: [1,2] units: 1
 unique values: 2 coded missing: 13 / 367
 tabulation: Freq. Numeric Label
 178 1 NO
 176 2 YES

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F34MED1 ----- MEDICATION CODE

type: numeric (float)

range: [3,999]

units: 1

unique values: 37

coded missing: 194 / 367

tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value
	3	3		1	161		1	376
	2	6		18	171		1	410
	10	7		3	192		1	429
	6	28		4	249		3	449
	1	29		1	306		36	480
	1	44		2	328		37	481
	1	48		1	332		1	522
	2	66		1	338		1	528
	1	122		3	342		1	562
	5	126		1	369		1	576
	1	137		1	371		1	599
	1	160		2	374		13	999
				4	375			

F34MED1:

1. Required only if F34MED=2.
2. See APPENDIX D for medication codes.

F34MED2 ----- MEDICATION CODE

type: numeric (float)

range: [3,999]

units: 1

unique values: 29

coded missing: 304 / 367

tab:	Freq.	Value	tab:	Freq.	Value	tab:	Freq.	Value
	1	3		1	297		1	441
	3	28		1	338		1	443
	1	119		1	342		7	480
	8	126		1	361		5	481
	6	171		3	375		1	484
	1	196		1	382		1	489
	1	235		1	393		1	540
	3	249		1	400		1	541
	1	270		1	419		1	599
				1	420		7	999

F34MED2:

1. Required only if F34MED=2 and > 1 medication taken.
2. See APPENDIX D for medication codes.

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F34MED3 ----- MEDICATION CODE

type: numeric (float)
 range: [18,999] units: 1
 unique values: 12 coded missing: 349 / 367

tabulation:	Freq.	Value
	1	18
	1	28
	1	259
	1	271
	1	338
	2	342
	2	371
	1	480
	3	481
	1	503
	1	519
	3	999

F34MED3:

1. Required only if F34MED=2 and >2 medications taken.
2. See APPENDIX D for medication codes.

F34TRNS ----- TRANSFUSION FOR EPISODE

type: numeric (float)
 label: F34TRNS
 range: [1,2] units: 1
 unique values: 2 coded missing: 48 / 367

tabulation:	Freq.	Numeric	Label
	245	1	NO
	74	2	YES

F34TRNS:

1. Not collected before 08/11/80

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F34TMP ----- TEMPERATURE

```

      type: numeric (float)
      range: [34.5,42.8]           units: .1
  unique values: 49             coded missing: 7 / 367
      mean: 37.48
      std. dev: .923774

  percentiles:    10%    25%    50%    75%    90%
                  36.6    37     37.2   37.9   38.7
  
```

F34TMPH ----- HOW TEMPERATURE TAKEN

```

      type: numeric (float)
      label: F34TMPH
      range: [1,3]           units: 1
  unique values: 3         coded missing: 6 / 367
  tabulation: Freq.  Numeric  Label
                331      1  ORAL
                29       2  RECTAL
                 1       3  AXILLARY
  
```

F34TEND ----- TENDERNESS?

```

      type: numeric (float)
      label: F34TEND
      range: [1,2]           units: 1
  unique values: 2         coded missing: 1 / 367
  tabulation: Freq.  Numeric  Label
                42      1  NO
                324     2  YES
  
```

F34ABTS1 ----- ABDOMINAL TENDERNESS SITE

```

      type: string (str3)
  unique values: 28         coded missing: 84 / 367

  tabulation: Freq.  Value
                1  "04"
                1  "14"
                1  "25"
                1  "126"
                1  "426"
                1  "F"
                1  "F04"
                1  "G03"
                93  "G04"
                11  "G05"
                 6  "G06"
                 1  "G14"
                 1  "G26"
                 6  "H04"

  tabulation: Freq.  Value
                3  "H05"
                1  "H06"
                1  "I04"
                1  "O26"
                1  "Q04"
                1  "U15"
                 4  "U22"
                25  "U25"
               111  "U26"
                 2  "U27"
                 1  "V22"
                 1  "V25"
                 4  "V26"
                 1  "i04"
  
```

F34ABTS1:

1. Required only if F34TEND=2.
2. See APPENDIX F - BODY LOCATOR CHARTS/SITE CODE LISTS.

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F34ABTS2 ----- ABDOMINAL TENDERNESS SITE

type: string (str3)

unique values: 20

coded missing: 312 / 367

tabulation:	Freq.	Value	tabulation:	Freq.	Value
	1	"125"		1	"I06"
	9	"G05"		1	"005"
	3	"G06"		1	"Q06"
	1	"G14"		1	"Q16"
	1	"G16"		4	"U25"
	10	"H04"		9	"U26"
	2	"H05"		3	"U27"
	1	"H06"		2	"U28"
	1	"I04"		1	"V27"
	2	"I05"		1	"V28"

F34ABTS2:

1. Required only if F34TEND=2.
2. See APPENDIX F - BODY LOCATOR CHARTS/SITE CODE LISTS.

F34ABTS3 ----- ABDOMINAL TENDERNESS SITE

type: string (str3)

unique values: 12

coded missing: 349 / 367

tabulation:	Freq.	Value
	1	"127"
	1	"F16"
	2	"G06"
	1	"G16"
	1	"H05"
	2	"H06"
	2	"I04"
	1	"I05"
	2	"U25"
	2	"U26"
	2	"U27"
	1	"U28"

F34ABTS3:

1. Required only if F34TEND=2.
2. See APPENDIX F - BODY LOCATOR CHARTS / SITE CODE LISTS.

F34REBTN ----- REBOUND TENDERNESS?

type: numeric (float)

label: F34REBTN

range: [1,2]

units: 1

unique values: 2

coded missing: 6 / 367

tabulation:	Freq.	Numeric	Label
	312	1	NO
	49	2	YES

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F34ARTS1 ----- REBOUND TENDERNESS SITE

type: string (str3)

unique values: 13

coded missing: 325 / 367

tabulation:	Freq.	Value
	1	"06"
	1	"F04"
	15	"G04"
	2	"G05"
	1	"G26"
	2	"H04"
	2	"H05"
	1	"H06"
	1	"I04"
	1	"Q04"
	4	"U25"
	10	"U26"
	1	"U27"

F34ARTS1:

1. Required only if F34REBTN=2.
2. See APPENDIX F - BODY LOCATOR CHARTS / SITE CODE LISTS.

F34ARTS2 ----- REBOUND TENDERNESS SITE

type: string (str3)

unique values: 8

coded missing: 357 / 367

tabulation:	Freq.	Value
	1	"G05"
	1	"H04"
	1	"H05"
	1	"I04"
	1	"I05"
	1	"Q06"
	3	"U25"
	1	"U26"

F34ARTS2:

1. Required only if F34REBTN=2.
2. See APPENDIX F - BODY LOCATOR CHARTS / SITE CODE LISTS.

F34ARTS3 ----- REBOUND TENDERNESS SITE

type: string (str3)

unique values: 1

coded missing: 366 / 367

tabulation:	Freq.	Value
	1	"U27"

F34ARTS3:

1. Required only if F34REBTN=2.
2. See APPENDIX F - BODY LOCATOR CHARTS / SITE CODE LISTS.

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 RIGHT UPPER QUADRANT (RUQ) SYNDROME - PAGE 4
 CSSCD FULL COHORT PATIENTS

F34ASC ----- ASCITES?

```

      type: numeric (float)
      label: F34ASC
      range: [1,2]
      unique values: 2
      units: 1
      coded missing: 57 / 367
      tabulation: Freq.  Numeric  Label
                   301      1  NO
                   9       2  YES
  
```

F34ASC:

1. Not collected before 08/11/80

F34ASC1 ----- ASCITES SITE

```

      type: string (str3)
      unique values: 5
      coded missing: 359 / 367
      tabulation: Freq.  Value
                   1  "G05"
                   1  "Q04"
                   4  "U25"
                   1  "U26"
                   1  "V25"
  
```

F34ASC1:

1. Required only if F34ASC=2.
2. Not collected before 08/11/80
3. See APPENDIX F - BODY LOCATOR CHARTS / SITE CODE LISTS.

F34ASC2 ----- ASCITES SITE

```

      type: string (str3)
      unique values: 3
      coded missing: 364 / 367
      tabulation: Freq.  Value
                   1  "I05"
                   1  "Q06"
                   1  "U25"
  
```

F34ASC2:

1. Required only if F34ASC=2.
2. Not collected before 08/11/80
3. See APPENDIX F - BODY LOCATOR CHARTS / SITE CODE LISTS.

F34ASC3 ----- ASCITES SITE

```

      type: string (str3)
      unique values: 1
      coded missing: 366 / 367
      tabulation: Freq.  Value
                   1  "U27"
  
```

F34ASC3:

1. Required only if F34ASC=2.
2. Not collected before 08/11/80
3. See APPENDIX F - BODY LOCATOR CHARTS / SITE CODE LISTS.

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F34ABDBS ----- BOWEL SOUNDS PRESENT

type: numeric (float)
 label: F34ABDBS

range: [1,2] units: 1
 unique values: 2 coded missing: 6 / 367

tabulation:	Freq.	Numeric	Label
	30	1	NO
	331	2	YES

F34ABDRG ----- RIGID ABDOMEN

type: numeric (float)
 label: F34ABDRG

range: [1,3] units: 1
 unique values: 3 coded missing: 6 / 367

tabulation:	Freq.	Numeric	Label
	332	1	NO
	28	2	YES
	1	3	

F34COST ----- COSTOVERTEBRAL ANGLE TENDERNESS?

type: numeric (float)
 label: F34COST

range: [1,2] units: 1
 unique values: 2 coded missing: 57 / 367

tabulation:	Freq.	Numeric	Label
	284	1	ABSENT
	26	2	PRESENT

F34COST:
 1. Not collected before 08/11/80

F34CSTV ----- COSTOVERTEBRAL ANGLE SITE

type: string (str3)

unique values: 6 coded missing: 342 / 367

tabulation:	Freq.	Value
	2	"G04"
	3	"G14"
	11	"G15"
	4	"G16"
	3	"H04"
	2	"Z32"

F34CSTV:
 1. Not collected before 08/11/80
 2. Required only if F34COST=2.
 3. See APPENDIX F - BODY LOCATOR CHARTS / SITE CODE LISTS.

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F34LVRSZ ----- SIZE OF LIVER

type: numeric (float)
 range: [0,20] units: 1
 unique values: 20 coded missing: 27 / 367

tabulation:	Freq.	Value	tabulation:	Freq.	Value
	103	0		17	10
	13	1		6	11
	41	2		8	12
	30	3		3	13
	29	4		3	14
	18	5		3	15
	14	6		3	16
	18	7		1	17
	15	8		1	18
	13	9		1	20

F34LVRTN ----- LIVER TENDERNESS

type: numeric (float)
 label: F34LVRTN
 range: [1,2] units: 1
 unique values: 2 coded missing: 8 / 367

tabulation:	Freq.	Numeric	Label
	168	1	ABSENT
	191	2	PRESENT

F34SPLP ----- PALPABLE SPLEEN

type: numeric (float)
 label: F34SPLP
 range: [1,2] units: 1
 unique values: 2 coded missing: 6 / 367

tabulation:	Freq.	Numeric	Label
	340	1	NO
	21	2	YES

F34SPLTP ----- SPLEEN - TIP PALPATED (CM)

type: numeric (float)
 range: [1,16] units: 1
 unique values: 7 coded missing: 349 / 367

tabulation:	Freq.	Value
	4	1
	4	2
	4	3
	2	5
	2	7
	1	9
	1	16

F34SPLTP:
 1. Required only if F34SPLP=2.

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F34SPLDI ----- SPLIEN - CM FROM MIDLINE

type: numeric (float)
 range: [2,14] units: 1
 unique values: 6 coded missing: 359 / 367

tabulation:	Freq.	Value
	2	2
	1	4
	1	8
	2	10
	1	12
	1	14

F34SPLDI:

1. Required only if F34SPLP=2.

F34SPLTN ----- SPLIEN TENDERNESS

type: numeric (float)
 label: F34SPLTN
 range: [1,2] units: 1
 unique values: 2 coded missing: 16 / 367

tabulation:	Freq.	Numeric	Label
	334	1	ABSENT
	17	2	PRESENT

F34GALL ----- GALLBLADDER PALPABLE

type: numeric (float)
 label: F34GALL
 range: [1,2] units: 1
 unique values: 2 coded missing: 8 / 367

tabulation:	Freq.	Numeric	Label
	329	1	NO
	30	2	YES

F34OPHYS ----- OTHER PHYSICAL FINDINGS

type: numeric (float)
 label: F34OPHYS
 range: [1,2] units: 1
 unique values: 2 coded missing: 9 / 367

tabulation:	Freq.	Numeric	Label
	190	1	NO
	168	2	YES

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F34BCMV ----- CBC MCV

```

      type: numeric (float)
      range: [10,118]
      unique values: 49
      mean: 91.7632
      std. dev: 10.4629
      units: 1
      coded missing: 25 / 367

      percentiles:      10%      25%      50%      75%      90%
                       80       86       92       98       104
  
```

F34DFPMN ----- DIFFERENTIAL PMN

```

      type: numeric (float)
      range: [25,94]
      unique values: 65
      mean: 60.9138
      std. dev: 14.2815
      units: 1
      coded missing: 77 / 367

      percentiles:      10%      25%      50%      75%      90%
                       43       52       60       71       80
  
```

F34DFPMN:

1. Not collected before 08/11/80.

F34DFBND ----- DIFFERENTIAL BANDS

```

      type: numeric (float)
      range: [0,43]
      unique values: 24
      mean: 3.57455
      std. dev: 5.56816
      units: 1
      coded missing: 92 / 367

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

F34DFBND:

1. Not collected before 08/11/80.

F34DFEOS ----- DIFFERENTIAL EOSINOPHILS

```

      type: numeric (float)
      range: [0,20]
      unique values: 15
      mean: 2.22776
      std. dev: 2.85321
      units: 1
      coded missing: 86 / 367

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

F34DFEOS:

1. Not collected before 08/11/80.

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F34DFBAS ----- DIFFERENTIAL BASOPHILS

type:	numeric (float)				
range:	[0,40]		units:	1	
unique values:	6		coded missing:	100 / 367	
mean:	.565543				
std. dev:	2.54109				
percentiles:	10%	25%	50%	75%	90%
	0	0	0	1	1

F34DFBAS:

1. Not collected before 08/11/80.

F34DFLYM ----- DIFFERENTIAL LYMPHOCYTES

type:	numeric (float)				
range:	[0,67]		units:	1	
unique values:	56		coded missing:	75 / 367	
mean:	26.2979				
std. dev:	13.2132				
percentiles:	10%	25%	50%	75%	90%
	9	17	26	34.5	44

F34DFLYM:

1. Not collected before 08/11/80.

F34DFMON ----- DIFFERENTIAL MONOCYTES

type:	numeric (float)				
range:	[0,21]		units:	1	
unique values:	20		coded missing:	77 / 367	
mean:	6.5				
std. dev:	4.32123				
percentiles:	10%	25%	50%	75%	90%
	1	3	6	9	13

F34DFMON:

1. Not collected before 08/11/80.

F34DFATC ----- DIFFERENTIAL ATYPICAL CELLS

type:	numeric (float)				
range:	[0,13]		units:	1	
unique values:	7		coded missing:	102 / 367	
mean:	.309434				
std. dev:	1.15245				
percentiles:	10%	25%	50%	75%	90%
	0	0	0	0	1

F34DFATC:

1. Not collected before 08/11/80.

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F34DFMM ----- DIFFERENTIAL METAMYELOCYTES|MYELOCYTES

type: numeric (float)
 range: [0,7] units: 1
 unique values: 6 coded missing: 105 / 367
 mean: .194656
 std. dev: .686689

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

F34DFMM:
 1. Not collected before 08/11/80.

F34NRB ----- NUCLEATED RED BLOOD CELLS

type: numeric (float)
 range: [0,99] units: 1
 unique values: 31 coded missing: 93 / 367

mean: 4.97445
 std. dev: 13.4569

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

F34NRB:
 1. Not collected before 08/11/80.

F34RETIC ----- RETICULOCYTES

type: numeric (float)
 range: [0,51.6] units: .1
 unique values: 131 coded missing: 71 / 367

mean: 14.2672
 std. dev: 9.63525

percentiles: 10% 25% 50% 75% 90%
 4 7.2 12.25 19.8 28

F34URPRO ----- URINALYSIS PROTEIN

type: numeric (float)
 label: F34URPRO
 range: [1,6] units: 1
 unique values: 6 coded missing: 26 / 367

tabulation:	Freq.	Numeric	Label
	221	1	NEG
	39	2	TR
	37	3	1+
	24	4	2+
	16	5	3+
	4	6	4+

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F34URMRH ----- URINALYSIS > 5 RBC|HPF

type: numeric (float)
 label: F34URMRH
 range: [1,2] units: 1
 unique values: 2 coded missing: 27 / 367

tabulation:	Freq.	Numeric	Label
	29	1	PRESENT
	311	2	ABSENT

F34URMWH ----- URINALYSIS > 5 WBC|HPF

type: numeric (float)
 label: F34URMWH
 range: [1,2] units: 1
 unique values: 2 coded missing: 27 / 367

tabulation:	Freq.	Numeric	Label
	64	1	PRESENT
	276	2	ABSENT

F34BILE ----- URINALYSIS BILE

type: numeric (float)
 label: F34BILE
 range: [1,2] units: 1
 unique values: 2 coded missing: 39 / 367

tabulation:	Freq.	Numeric	Label
	89	1	PRESENT
	239	2	ABSENT

F34SGOT ----- SGOT

type: numeric (float)
 range: [4,6110] units: 1
 unique values: 183 coded missing: 40 / 367
 mean: 190.908
 std. dev: 454.37

percentiles:	10%	25%	50%	75%	90%
	29	44	75	166	372

F34SGOT:
 1. If CLINIC=C or D, need to convert values $F34SGOT = F34SGOT * 0.3$

F34ALKPH ----- ALKALINE PHOSPHATASE

type: numeric (float)
 range: [1,999] units: 1
 unique values: 205 coded missing: 48 / 367
 mean: 179.586
 std. dev: 141.321

percentiles:	10%	25%	50%	75%	90%
	64	87	136	224	353

F34ALKPH:
 1. If CLINIC=C or D, need to convert values $F34ALKPH = F34ALKPH / 0.87$

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F34BLRBN ----- BILIRUBIN

type: numeric (float)
range: [.6,77.1] units: .1
unique values: 173 coded missing: 32 / 367
mean: 10.9654
std. dev: 13.1213
percentiles: 10% 25% 50% 75% 90%
1.9 2.8 6.1 13.8 28.8

F34DBLRB ----- DIRECT BILIRUBIN

type: numeric (float)
range: [0,67.2] units: .1
unique values: 99 coded missing: 122 / 367
mean: 5.83224
std. dev: 9.7719
percentiles: 10% 25% 50% 75% 90%
.3 .5 1.4 7 18.9

F34LDH ----- LDH

type: numeric (float)
range: [4,999] units: 1
unique values: 196 coded missing: 115 / 367
mean: 505.984
std. dev: 270.586
percentiles: 10% 25% 50% 75% 90%
162 296 474.5 690 958

F34LDH:

1. If CLINIC = C or D, need to convert values $F34LDH = F34LDH * 2.7$.

F34SRMAM ----- SERUM AMYLASE

type: numeric (float)
range: [9,999] units: 1
unique values: 109 coded missing: 146 / 367
mean: 107.643
std. dev: 140.268
percentiles: 10% 25% 50% 75% 90%
37 51 72 100 180

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F34HPGEN ----- HEPATITIS B SPLIT ANTIGEN

type: numeric (float)
label: F34HPGEN
range: [1,2] units: 1
unique values: 2 coded missing: 228 / 367

tabulation:	Freq.	Numeric	Label
	127	1	NEG
	12	2	POS

F34HPBOD ----- HEPATITIS B SPLIT ANTIBODY

type: numeric (float)
label: F34HPBOD
range: [1,2] units: 1
unique values: 2 coded missing: 246 / 367

tabulation:	Freq.	Numeric	Label
	106	1	NEG
	15	2	POS

F34XGAL ----- XRAYS GALLSTONES

type: numeric (float)
label: F34XGAL
range: [1,2] units: 1
unique values: 2 coded missing: 121 / 367

tabulation:	Freq.	Numeric	Label
	113	1	PRESENT
	133	2	ABSENT

F34XGFL ----- XRAYS GAS FILLED LOOPS

type: numeric (float)
label: F34XGFL
range: [1,2] units: 1
unique values: 2 coded missing: 147 / 367

tabulation:	Freq.	Numeric	Label
	67	1	YES
	153	2	NO

F34XPSOA ----- XRAYS PSOAS SHADOWS

type: numeric (float)
label: F34XPSOA
range: [1,2] units: 1
unique values: 2 coded missing: 152 / 367

tabulation:	Freq.	Numeric	Label
	36	1	SEEN
	179	2	NOT SEEN

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F34XPNC ----- XRAYs PANCREATIC CALCIFICATION

type: numeric (float)
label: F34XPNC

range: [1,2] units: 1
unique values: 2 coded missing: 147 / 367

tabulation:	Freq.	Numeric	Label
	3	1	PRESENT
	217	2	ABSENT

F34SONDN ----- SONOGRAM DONE OR NOT DONE

type: numeric (float)
label: F34SONDN

range: [1,2] units: 1
unique values: 2 coded missing: 79 / 367

tabulation:	Freq.	Numeric	Label
	220	1	DONE
	68	2	NOT DONE

F34SONO ----- SONOGRAM RESULTS

type: numeric (float)
label: F34SONO

range: [1,2] units: 1
unique values: 2 coded missing: 146 / 367

tabulation:	Freq.	Numeric	Label
	168	1	ABNORMAL
	53	2	NORMAL

F34SONO:

1. Required only if F34SONDN=1.

F34SGAL ----- SONOGRAM GALLSTONES

type: numeric (float)
label: F34SGAL

range: [1,2] units: 1
unique values: 2 coded missing: 192 / 367

tabulation:	Freq.	Numeric	Label
	153	1	PRESENT
	22	2	ABSENT

F34SGAL:

1. Required only if F34SONO=1.

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F34SGALB ----- SONOGRAM GALLBLADDER ENLARGED

type: numeric (float)
label: F34SGALB

range: [1,2] units: 1
unique values: 2 coded missing: 216 / 367

tabulation:	Freq.	Numeric	Label
	51	1	YES
	100	2	NO

F34SGALB:

1. Required only if F34SON0=1.

F34ORCDN ----- ORAL CHOL. DONE OR NOT DONE

type: numeric (float)
label: F34ORCDN

range: [1,2] units: 1
unique values: 2 coded missing: 160 / 367

tabulation:	Freq.	Numeric	Label
	17	1	DONE
	190	2	NOT DONE

F34ORCSD ----- ORAL CHOL. SINGLE OR DOUBLE

type: numeric (float)
label: F34ORCSD

range: [1,2] units: 1
unique values: 2 coded missing: 351 / 367

tabulation:	Freq.	Numeric	Label
	9	1	SINGLE
	7	2	DOUBLE

F34ORCSD:

1. Required only if F34ORCDN=1.

F34ORCH ----- ORAL CHOL. RESULTS

type: numeric (float)
label: F34ORCH

range: [1,2] units: 1
unique values: 2 coded missing: 347 / 367

tabulation:	Freq.	Numeric	Label
	14	1	ABNORMAL
	6	2	NORMAL

F34ORCH:

1. Required only if F34ORCDN=1.

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F340GAL ----- CHOLECYSTOGRAM GALLSTONES

type: numeric (float)
 label: F340GAL

range: [1,3] units: 1
 unique values: 3 coded missing: 352 / 367

tabulation:	Freq.	Numeric	Label
	10	1	PRESENT
	4	2	ABSENT
	1	3	EQUIVOCAL

F340GAL:

1. Required only if F340RCH=1.

F340GALB ----- CHOLECYSTOGRAM GALLBLADDER FUNCTIONAL

type: numeric (float)
 label: F340GALB

range: [1,2] units: 1
 unique values: 2 coded missing: 354 / 367

tabulation:	Freq.	Numeric	Label
	10	1	YES
	3	2	NO

F340GALB:

1. Required only if F340RCH=1.

F34CHOL ----- PERCUTANEOUS CHOLANGIOGRAM

type: numeric (float)
 label: F34CHOL

range: [1,2] units: 1
 unique values: 2 coded missing: 61 / 367

tabulation:	Freq.	Numeric	Label
	10	1	DONE
	296	2	NOT DONE

F34ROSE ----- ROSE BENGAL SCAN

type: numeric (float)
 label: F34ROSE

range: [1,2] units: 1
 unique values: 2 coded missing: 61 / 367

tabulation:	Freq.	Numeric	Label
	7	1	DONE
	299	2	NOT DONE

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F34LIVER ----- LIVER BIOPSY

type: numeric (float)
label: F34LIVER

range: [1,2] units: 1
unique values: 2 coded missing: 51 / 367

tabulation:	Freq.	Numeric	Label
	13	1	DONE
	303	2	NOT DONE

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F34FLOWS ----- NUMBER OF FLOWSHEETS

type: numeric (float)

range: [0,10] units: 1
unique values: 10 coded missing: 0 / 367

tabulation:	Freq.	Value
	92	0
	105	1
	88	2
	54	3
	16	4
	7	5
	1	6
	2	7
	1	8
	1	10

F34FLOWS:

1. See section on computed variables.

F34FRM52 ----- IS THERE A 52 ON THE DATABASE

type: numeric (float)

range: [0,48] units: 1
unique values: 10 coded missing: 0 / 367

tabulation:	Freq.	Value
	68	0
	10	30
	3	31
	6	32
	2	33
	273	34
	1	36
	1	44
	1	46
	2	48

F34FRM52:

1. See section on computed variables.
2. See APPENDIX L for FORM CODES.

7.3.0: Right Upper Quadrant Syndrome Overview

F34DHOSP ----- NUMBER OF DAYS HOSPITALIZED

type: numeric (float)

range: [0,54]

units: 1

unique values: 35

coded missing: 42 / 367

tabulation: Freq. Value

50	0
5	1
8	2
17	3
20	4
20	5
34	6
8	7
13	8
19	9
17	10
9	11
23	12
6	13
10	14
11	15
13	16
2	17
11	18
1	19
3	20
3	21
4	22
2	23
3	24
1	25
1	26
2	27
2	28
2	30
1	31
1	36
1	38
1	47
1	54

F34DHOSP:

1. See section on computed variables.

_dta:

1. Run on 08/12/99.
-