

CODEBOOK FOR CSSCD FORM 18
OCULAR EXAM FORM
CSSCD FULL COHORT PATIENTS

78	F18FIN9	Num	8	FINAL DIAGNOSIS STAGE V
79	F18FIN10	Num	8	FINAL DIAGNOSIS MACULAR
80	F18FIN11	Num	8	FINAL DIAGNOSIS 2-LINE LOSS
69	F18FINAL	Num	8	FINAL DIAGNOSIS
20	F18FUNDL	Num	8	LEFT FUNDUS
19	F18FUNDR	Num	8	RIGHT FUNDUS
34	F18HOLEL	Num	8	LEFT RETINAL TEAR
33	F18HOLER	Num	8	RIGHT RETINAL TEAR

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The SAS System

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Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
28	F18IRIDL	Num	8	LEFT IRIDESCENT SPOTS
27	F18IRIDR	Num	8	RIGHT IRIDESCENT SPOTS
18	F18IRISL	Num	8	LEFT IRIS
17	F18IRISR	Num	8	RIGHT IRIS
38	F18MACUL	Num	8	LEFT MACULA
37	F18MACUR	Num	8	RIGHT MACULA
64	F18MEDS1	Num	8	SYSTEMIC MEDICATIONS
65	F18MEDS2	Num	8	SYSTEMIC MEDICATIONS
66	F18MEDS3	Num	8	SYSTEMIC MEDICATIONS
61	F18MEDT1	Num	8	TOPICAL MEDICATIONS
62	F18MEDT2	Num	8	TOPICAL MEDICATIONS
63	F18MEDT3	Num	8	TOPICAL MEDICATIONS
52	F18NFPL	Num	8	NEOVASCULAR FIBROUS PROLIFERATION LEFT
51	F18NFPR	Num	8	NEOVASCULAR FIBROUS PROLIFERATION RIGHT
57	F18OPHYS	Num	8	OTHER PHYSICAL FINDINGS
41	F18OPL1	Num	8	LEFT OPTIC DISK-COMMA SIGN
42	F18OPL2	Num	8	LEFT OPTIC DISK-NEOVASCULARIZATION
39	F18OPTR1	Num	8	RIGHT OPTIC DISK-COMMA SIGN
40	F18OPTR2	Num	8	RIGHT OPTIC DISK-NEOVASCULARIZATION
68	F18OTHER	Num	8	OTHER TREATMENT
48	F18PACL	Num	8	PERIPHERAL ARTERIAL OCCLUSION LEFT
47	F18PACR	Num	8	PERIPHERAL ARTERIAL OCCLUSION RIGHT
50	F18PAVAL	Num	8	PERIPHERAL ARTERIOLAR-VENULAR ANASTOMSES
49	F18PAVAR	Num	8	PERIPHERAL ARTERIOLAR-VENULAR ANASTOMSES
59	F18PHOTO	Num	8	RETINAL PHOTO DONE
56	F18RDL	Num	8	RETINAL DETACHMENT LEFT
55	F18RDR	Num	8	RETINAL DETACHMENT RIGHT
24	F18RETHL	Num	8	LEFT RETINAL HEMORRHAGE
23	F18RETHR	Num	8	RIGHT RETINAL HEMORRHAGE
26	F18SCHIL	Num	8	LEFT SCHISIS CAVITIES
25	F18SCHIR	Num	8	RIGHT SCHISIS CAVITIES
30	F18SUNBL	Num	8	LEFT SUNBURSTS
29	F18SUNBR	Num	8	RIGHT SUNBURSTS
67	F18SURG	Num	8	SURGERY
8	F18SYML1	Num	8	SYMPTOMS LEFT EYE PAIN
9	F18SYML2	Num	8	SYMPTOMS LEFT VISION LOSS
10	F18SYML3	Num	8	SYMPTOMS LEFT BLURRED VISION
11	F18SYML4	Num	8	SYMPTOMS LEFT DOUBLE VISION
12	F18SYML5	Num	8	SYMPTOMS LEFT OTHER
3	F18SYMR1	Num	8	SYMPTOMS RIGHT EYE PAIN
4	F18SYMR2	Num	8	SYMPTOMS RIGHT VISION LOSS
5	F18SYMR3	Num	8	SYMPTOMS RIGHT BLURRED VISION
6	F18SYMR4	Num	8	SYMPTOMS RIGHT DOUBLE VISION
7	F18SYMR5	Num	8	SYMPTOMS RIGHT OTHER
22	F18TORTL	Num	8	LEFT VESSEL TORTUOSITY
21	F18TORTR	Num	8	RIGHT VESSEL TORTUOSITY

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60	F18TREAT	Num	8	TREATMENT GIVEN
46	F18VEINL	Num	8	LEFT CENTRAL VEIN OCCLUSION
45	F18VEINR	Num	8	RIGHT CENTRAL VEIN OCCLUSION
54	F18VHL	Num	8	VITREOUS HEMORRHAGE LEFT
53	F18VHR	Num	8	VITREOUS HEMORRHAGE RIGHT
14	F18VISNL	Num	8	LEFT CORRECTED VISION

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Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
13	F18VISNR	Num	8	RIGHT CORRECTED VISION
81	JF18DATE	Num	8	DATE OF VISIT - RECODE DAYS SINCE DOE

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* R18.fmt contains value labels for numerical codes assigned to
categorical *
* variables in the SAS dataset R18.SD2
*

*****;

* SIR/DBMS 2.2 SAS PROC STEP FROM DATABASE: CSSCD 10/26/99 14:52:51;

PROC FORMAT;

* FORMAT NY_DK IS DEFINED FOR VARIABLES: F18SYMR1 F18SYMR2 F18SYMR3
F18SYMR4 F18SYM5 F18SYML1
F18SYML2 F18SYML3
F18SYML4 F18SYML5;

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

* FORMAT VISN IS DEFINED FOR VARIABLES: F18VISNR F18VISNL;

VALUE VISN
1 = '20.20'
2 = '20.25-30'
3 = '20.40-50'
4 = '20.60-80'
5 = '20.100-200'
6 = '20.400-800'
7 = 'COUNTING FINGERS'
8 = 'HAND MOVEMENT'
9 = 'LIGHT PERCEPTION'
10 = 'NO LIGHT PERC.';

* FORMAT CONJ IS DEFINED FOR VARIABLES: F18CONJR F18CONJL;

VALUE CONJ
1 = 'ABSENT'
2 = '+1'
3 = '+2'
4 = '+3'
5 = '+4';

* FORMAT IRIS IS DEFINED FOR VARIABLES: F18IRISR F18IRISL;

VALUE IRIS
1 = 'NORMAL'

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2 = 'ATROPHY'
3 = 'OTHER'
4 = 'BOTH' ;

* FORMAT FUND IS DEFINED FOR VARIABLES: F18FUNDR F18FUNDL;

VALUE FUND

1 = 'NORMAL'
2 = 'NOT VISIBLE'
3 = 'ABNORMAL' ;

* FORMAT TORT IS DEFINED FOR VARIABLES: F18TORTR F18TORTL;

VALUE TORT

1 = 'ABSENT'
2 = 'LOCAL'
3 = 'GENERALIZED' ;

* FORMAT RETH IS DEFINED FOR VARIABLES: F18RETHR F18RETHL F18SUNBR
F18SUNBL;

VALUE RETH

1 = 'ABSENT'
2 = '1-4'
3 = '5-10'
4 = '>10' ;

* FORMAT SCHI IS DEFINED FOR VARIABLES: F18SCHIR F18SCHIL;

VALUE SCHI

1 = 'ABSENT'
2 = '1-4'
3 = '>4' ;

* FORMAT ABSENT IS DEFINED FOR VARIABLES: F18IRIDR F18IRIDL F18ANGIR
F18ANGIL F18HOLER F18HOLEL
F18OPTR1 F18OPTR2
F18OPTL1 F18OPTL2;

VALUE ABSENT

1 = 'ABSENT'
2 = 'PRESENT' ;

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* FORMAT CHOR IS DEFINED FOR VARIABLES: F18CHORR F18CHORL;

VALUE CHOR
1 = 'NORMAL'
2 = 'ISCHEMIC';

* FORMAT MACU IS DEFINED FOR VARIABLES: F18MACUR F18MACUL;

VALUE MACU
1 = 'PIGMENT CHANGE'
2 = 'VASCULAR OCCLUSION'
4 = 'DEPRESSIONS'
8 = 'PRE-RETINAL MEMBRANE'
16 = 'MACULAR TRACTION'
32 = 'HEMORRHAGE'
64 = 'MACULAR HOLE'
128 = 'NORMAL';

* FORMAT ABS_NE IS DEFINED FOR VARIABLES: F18CENTR F18CENTL F18VEINR
F18VEINL;

VALUE ABS_NE
1 = 'ABSENT'
2 = 'PRESENT'
3 = 'NOT EXAMINED';

* FORMAT ABS_ND IS DEFINED FOR VARIABLES: F18PACR F18PACL F18PAVAR
F18PAVAL F18NFPR F18NFPL
F18VHR F18VHL F18RDR
F18RDL;

VALUE ABS_ND
1 = 'ABSENT'
2 = 'PRESENT'
3 = 'NOT DETERMINED';

* FORMAT N_Y IS DEFINED FOR VARIABLES: F18OPHYS F18TREAT F18SURG
F18OTHER;

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

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* FORMAT DRAW IS DEFINED FOR VARIABLES: F18DRAW F18PHOTO;

VALUE DRAW
1 = 'RIGHT'
2 = 'LEFT'
3 = 'BOTH'
0 = 'NONE';

* FORMAT MED IS DEFINED FOR VARIABLES: F18MEDT1 F18MEDS1;

VALUE MED
-1 = 'NO MEDICATION'
999 = 'MISSING CODE';

VALUE F18FINAL
1 = 'NORMAL'
2 = 'ABNORMAL';

* FORMAT ABS_SUS IS DEFINED FOR VARIABLES: F18FIN1 F18FIN2 F18FIN3
F18FIN4
F18FIN5 F18FIN6 F18FIN7
F18FIN8
F18FIN9 F18FIN10 F18FIN11;

VALUE ABS_SUS
1 = 'ABSENT'
2 = 'PRESENT'
3 = 'SUSPECT';

* FORMAT MMDDYY8.
F18SYMR1 F18SYMR2 F18SYMR3 F18SYMR4
F18SYMR5 F18SYML1 F18SYML2
F18SYML3 F18SYML4 F18SYML5 NY_DK.
F18VISNR F18VISNL VISN.
F18CONJR F18CONJL CONJ.
F18IRISR F18IRISL IRIS.
F18FUNDR F18FUNDL FUND.
F18TORTR F18TORTL TORT.
F18RETHR F18RETHL F18SUNBR F18SUNBL RETH.
F18SCHIR F18SCHIL SCHI.
F18IRIDR F18IRIDL F18ANGIR F18ANGIL F18HOLER
F18HOLEL F18OPTR1 F18OPTR2 F18OPTL1 F18OPTL2 ABSENT.
F18CHORR F18CHORL CHOR.
F18MACUR F18MACUL MACU.
F18CENTR F18CENTL F18VEINR F18VEINL ABS_NE.
F18PACR F18PACL F18PAVAR F18PAVAL F18NFPR
F18NFPL F18VHR F18VHL

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F18RDR F18RDL ABS_ND.
F18OPHYS F18TREAT F18SURG F18OTHER N_Y.
F18DRAW F18PHOTO DRAW.
F18MEDT1 F18MEDS1 MED.
F18FINAL F18FINAL.
F18FIN1 F18FIN2 F18FIN3 F18FIN4 F18FIN5
F18FIN6 F18FIN7 F18FIN8 F18FIN9 F18FIN10
F18FIN11 ABS_SUS.;

run;
quit;

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F18VDATE ----- VERSION DATE DELETED

type: numeric (int)
label: datelab

range: [6999,7588] units: 1
unique values: 2 coded missing: 0 / 1904

tabulation:	Freq.	Numeric	Label
	1367	6999	03/01/79
	537	7588	10/10/80

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F18SYMR1 ----- SYMPTOMS RIGHT EYE PAIN

type: numeric (float)
label: F18SYMR1

range: [1,3] units: 1
unique values: 3 coded missing: 14 / 1904

tabulation:	Freq.	Numeric	Label
	1786	1	NO
	7	2	DK
	97	3	YES

F18SYMR1:

1. Not applicable on 3-1-79 version.

F18SYMR2 ----- SYMPTOMS RIGHT VISION LOSS

type: numeric (float)
label: F18SYMR2

range: [1,3] units: 1
unique values: 3 coded missing: 15 / 1904

tabulation:	Freq.	Numeric	Label
	1819	1	NO
	12	2	DK
	58	3	YES

F18SYMR2:

1. Not applicable on 3-1-79 version.

F18SYMR3 ----- SYMPTOMS RIGHT BLURRED VISION

type: numeric (float)
label: F18SYMR3

range: [1,3] units: 1
unique values: 3 coded missing: 13 / 1904

tabulation:	Freq.	Numeric	Label
	1644	1	NO
	15	2	DK
	232	3	YES

F18SYMR3:

1. Not applicable on 3-1-79 version.

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F18SYMR4 ----- SYMPTOMS RIGHT DOUBLE VISION

type: numeric (float)
label: F18SYMR4

range: [1,3] units: 1
unique values: 3 coded missing: 15 / 1904

tabulation:	Freq.	Numeric	Label
	1844	1	NO
	4	2	DK
	41	3	YES

F18SYMR4:

1. Not applicable on 3-1-79 version.

F18SYMR5 ----- SYMPTOMS RIGHT OTHER

type: numeric (float)
label: F18SYMR5

range: [1,3] units: 1
unique values: 3 coded missing: 99 / 1904

tabulation:	Freq.	Numeric	Label
	1691	1	NO
	4	2	DK
	110	3	YES

F18SYMR5:

1. Not applicable on 3-1-79 version.

F18SYML1 ----- SYMPTOMS LEFT EYE PAIN

type: numeric (float)
label: F18SYML1

range: [1,3] units: 1
unique values: 3 coded missing: 32 / 1904

tabulation:	Freq.	Numeric	Label
	1759	1	NO
	7	2	DK
	106	3	YES

F18SYML1:

1. Not applicable on 3-1-79 version.

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F18SYML2 ----- SYMPTOMS LEFT VISION LOSS

type: numeric (float)
label: F18SYML2

range: [1,3] units: 1
unique values: 3 coded missing: 28 / 1904

tabulation:	Freq.	Numeric	Label
	1797	1	NO
	7	2	DK
	72	3	YES

F18SYML2:

1. Not applicable on 3-1-79 version.

F18SYML3 ----- SYMPTOMS LEFT BLURRED VISION

type: numeric (float)
label: F18SYML3

range: [1,3] units: 1
unique values: 3 coded missing: 26 / 1904

tabulation:	Freq.	Numeric	Label
	1619	1	NO
	15	2	DK
	244	3	YES

F18SYML3:

1. Not applicable on 3-1-79 version.

F18SYML4 ----- SYMPTOMS LEFT DOUBLE VISION

type: numeric (float)
label: F18SYML4

range: [1,3] units: 1
unique values: 3 coded missing: 30 / 1904

tabulation:	Freq.	Numeric	Label
	1830	1	NO
	3	2	DK
	41	3	YES

F18SYML4:

1. Not applicable on 3-1-79 version.

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F18SYML5 ----- SYMPTOMS LEFT OTHER

type: numeric (float)
label: F18SYML5

range: [1,3] units: 1
unique values: 3 coded missing: 109 / 1904

tabulation:	Freq.	Numeric	Label
	1677	1	NO
	3	2	DK
	115	3	YES

F18SYML5:

1. Not applicable on 3-1-79 version.

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F18VISNR ----- RIGHT CORRECTED VISION

type: numeric (float)
label: F18VISNR

range: [1,10] units: 1
unique values: 10 coded missing: 29 / 1904

tabulation:	Freq.	Numeric	Label
	1362	1	20.20
	402	2	20.25-30
	57	3	20.40-50
	20	4	20.60-80
	22	5	20.100-200
	2	6	20.400-800
	3	7	COUNTING FINGERS
	1	8	HAND MOVEMENT
	4	9	LIGHT PERCEPTION
	2	10	NO LIGHT PERC.

F18VISNL ----- LEFT CORRECTED VISION

type: numeric (float)
label: F18VISNL

range: [1,10] units: 1
unique values: 10 coded missing: 30 / 1904

tabulation:	Freq.	Numeric	Label
	1349	1	20.20
	398	2	20.25-30
	62	3	20.40-50
	21	4	20.60-80
	19	5	20.100-200
	7	6	20.400-800
	4	7	COUNTING FINGERS
	4	8	HAND MOVEMENT
	1	9	LIGHT PERCEPTION
	9	10	NO LIGHT PERC.

F18CONJR ----- CONJUNCTIVAL SIGN RIGHT

type: numeric (float)
label: F18CONJR

range: [1,5] units: 1
unique values: 5 coded missing: 24 / 1904

tabulation:	Freq.	Numeric	Label
	877	1	ABSENT
	502	2	+1
	276	3	+2
	165	4	+3
	60	5	+4

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F18CONJL ----- CONJUNCTIVAL SIGN LEFT

type: numeric (float)
label: F18CONJL

range: [1,5] units: 1
unique values: 5 coded missing: 24 / 1904

tabulation:	Freq.	Numeric	Label
	887	1	ABSENT
	481	2	+1
	284	3	+2
	170	4	+3
	58	5	+4

F18IRISR ----- RIGHT IRIS

type: numeric (float)
label: F18IRISR

range: [1,3] units: 1
unique values: 3 coded missing: 14 / 1904

tabulation:	Freq.	Numeric	Label
	1860	1	NORMAL
	21	2	ATROPHY
	9	3	OTHER

F18IRISL ----- LEFT IRIS

type: numeric (float)
label: F18IRISL

range: [1,4] units: 1
unique values: 4 coded missing: 17 / 1904

tabulation:	Freq.	Numeric	Label
	1841	1	NORMAL
	29	2	ATROPHY
	16	3	OTHER
	1	4	BOTH

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F18FUNDR ----- RIGHT FUNDUS

type: numeric (float)
label: F18FUNDR

range: [1,3] units: 1
unique values: 3 coded missing: 31 / 1904

tabulation:	Freq.	Numeric	Label
	1018	1	NORMAL
	17	2	NOT VISIBLE
	838	3	ABNORMAL

F18FUNDL ----- LEFT FUNDUS

type: numeric (float)
label: F18FUNDL

range: [1,3] units: 1
unique values: 3 coded missing: 35 / 1904

tabulation:	Freq.	Numeric	Label
	983	1	NORMAL
	30	2	NOT VISIBLE
	856	3	ABNORMAL

F18TORTR ----- RIGHT VESSEL TORTUOSITY

type: numeric (float)
label: F18TORTR

range: [1,3] units: 1
unique values: 3 coded missing: 961 / 1904

tabulation:	Freq.	Numeric	Label
	598	1	ABSENT
	64	2	LOCAL
	281	3	GENERALIZED

F18TORTL ----- LEFT VESSEL TORTUOSITY

type: numeric (float)
label: F18TORTL

range: [1,3] units: 1
unique values: 3 coded missing: 956 / 1904

tabulation:	Freq.	Numeric	Label
	616	1	ABSENT
	52	2	LOCAL
	280	3	GENERALIZED

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F18RETHR ----- RIGHT RETINAL HEMORRHAGE

type: numeric (float)
label: F18RETHR

range: [1,4] units: 1
unique values: 4 coded missing: 959 / 1904

tabulation:	Freq.	Numeric	Label
	885	1	ABSENT
	56	2	1-4
	3	3	5-10
	1	4	>10

F18RETHL ----- LEFT RETINAL HEMORRHAGE

type: numeric (float)
label: F18RETHL

range: [1,4] units: 1
unique values: 4 coded missing: 954 / 1904

tabulation:	Freq.	Numeric	Label
	895	1	ABSENT
	52	2	1-4
	2	3	5-10
	1	4	>10

F18SCHIR ----- RIGHT SCHISIS CAVITIES

type: numeric (float)
label: F18SCHIR

range: [1,3] units: 1
unique values: 3 coded missing: 950 / 1904

tabulation:	Freq.	Numeric	Label
	838	1	ABSENT
	114	2	1-4
	2	3	>4

F18SCHIL ----- LEFT SCHISIS CAVITIES

type: numeric (float)
label: F18SCHIL

range: [1,3] units: 1
unique values: 3 coded missing: 952 / 1904

tabulation:	Freq.	Numeric	Label
	840	1	ABSENT
	105	2	1-4
	7	3	>4

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F18IRIDR ----- RIGHT IRIDESCENT SPOTS

type: numeric (float)
label: F18IRIDR

range: [1,2] units: 1
unique values: 2 coded missing: 945 / 1904

tabulation: Freq. Numeric Label
815 1 ABSENT
144 2 PRESENT

F18IRIDL ----- LEFT IRIDESCENT SPOTS

type: numeric (float)
label: F18IRIDL

range: [1,2] units: 1
unique values: 2 coded missing: 949 / 1904

tabulation: Freq. Numeric Label
797 1 ABSENT
158 2 PRESENT

F18SUNBR ----- RIGHT SUNBURSTS

type: numeric (float)
label: F18SUNBR

range: [1,4] units: 1
unique values: 4 coded missing: 951 / 1904

tabulation: Freq. Numeric Label
615 1 ABSENT
313 2 1-4
22 3 5-10
3 4 >10

F18SUNBL ----- LEFT SUNBURSTS

type: numeric (float)
label: F18SUNBL

range: [1,4] units: 1
unique values: 4 coded missing: 947 / 1904

tabulation: Freq. Numeric Label
598 1 ABSENT
334 2 1-4
22 3 5-10
3 4 >10

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F18ANGIR ----- RIGHT ANGIOID STREAKS

type: numeric (float)
label: F18ANGIR

range: [1,2] units: 1
unique values: 2 coded missing: 933 / 1904

tabulation:	Freq.	Numeric	Label
	942	1	ABSENT
	29	2	PRESENT

F18ANGIL ----- LEFT ANGIOID STREAKS

type: numeric (float)
label: F18ANGIL

range: [1,2] units: 1
unique values: 2 coded missing: 935 / 1904

tabulation:	Freq.	Numeric	Label
	944	1	ABSENT
	25	2	PRESENT

F18HOLER ----- RIGHT RETINAL TEAR

type: numeric (float)
label: F18HOLER

range: [1,2] units: 1
unique values: 2 coded missing: 930 / 1904

tabulation:	Freq.	Numeric	Label
	923	1	ABSENT
	51	2	PRESENT

F18HOLEL ----- LEFT RETINAL TEAR

type: numeric (float)
label: F18HOLEL

range: [1,2] units: 1
unique values: 2 coded missing: 935 / 1904

tabulation:	Freq.	Numeric	Label
	917	1	ABSENT
	52	2	PRESENT

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F18CHORR ----- RIGHT CHOROID

type: numeric (float)
label: F18CHORR

range: [1,2] units: 1
unique values: 2 coded missing: 942 / 1904

tabulation:	Freq.	Numeric	Label
	936	1	NORMAL
	26	2	ISCHEMIC

F18CHORL ----- LEFT CHOROID

type: numeric (float)
label: F18CHORL

range: [1,2] units: 1
unique values: 2 coded missing: 938 / 1904

tabulation:	Freq.	Numeric	Label
	942	1	NORMAL
	24	2	ISCHEMIC

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F18MACUR ----- RIGHT MACULA

type: numeric (float)
label: F18MACUR
range: [0,128] units: 1
unique values: 13 coded missing: 767 / 1904

tabulation:	Freq.	Numeric	Label
	11	0	
	15	1	PIGMENT CHANGE
	3	2	VASCULAR OCCLUSION
	2	4	DEPRESSIONS
	5	8	PRE-RETINAL MEMBRANE
	2	9	
	1	11	
	0	16	MACULAR TRACTION
	1	32	HEMORRHAGE
	1	33	
	2	64	MACULAR HOLE
	1	65	
	1	89	
	1092	128	NORMAL

F18MACUR:

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

F18MACUL ----- LEFT MACULA

type: numeric (float)
label: F18MACUL
range: [0,128] units: 1
unique values: 10 coded missing: 782 / 1904

tabulation:	Freq.	Numeric	Label
	15	0	
	13	1	PIGMENT CHANGE
	3	2	VASCULAR OCCLUSION
	5	4	DEPRESSIONS
	3	8	PRE-RETINAL MEMBRANE
	1	9	
	2	16	MACULAR TRACTION
	1	24	
	1	32	HEMORRHAGE
	0	64	MACULAR HOLE
	1078	128	NORMAL

F18MACUL:

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

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F18OPTR1 ----- RIGHT OPTIC DISK-COMMA SIGN

type: numeric (float)
label: F18OPTR1

range: [1,2] units: 1
unique values: 2 coded missing: 779 / 1904

tabulation:	Freq.	Numeric	Label
	1070	1	ABSENT
	55	2	PRESENT

F18OPTR2 ----- RIGHT OPTIC DISK-NEOVASCULARIZATION

type: numeric (float)
label: F18OPTR2

range: [1,2] units: 1
unique values: 2 coded missing: 795 / 1904

tabulation:	Freq.	Numeric	Label
	1099	1	ABSENT
	10	2	PRESENT

F18OPTL1 ----- LEFT OPTIC DISK-COMMA SIGN

type: numeric (float)
label: F18OPTL1

range: [1,2] units: 1
unique values: 2 coded missing: 787 / 1904

tabulation:	Freq.	Numeric	Label
	1059	1	ABSENT
	58	2	PRESENT

F18OPTL2 ----- LEFT OPTIC DISK-NEOVASCULARIZATION

type: numeric (float)
label: F18OPTL2

range: [1,2] units: 1
unique values: 2 coded missing: 802 / 1904

tabulation:	Freq.	Numeric	Label
	1089	1	ABSENT
	13	2	PRESENT

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OCULAR EXAM FORM - PAGE 4
CSSCD FULL COHORT PATIENTS

F18CENTR ----- RIGHT CENTRAL ARTERY OCCLUSION

type: numeric (float)
label: F18CENTR

range: [1,2] units: 1
unique values: 2 coded missing: 776 / 1904

tabulation:	Freq.	Numeric	Label
	1124	1	ABSENT
	4	2	PRESENT

F18CENTL ----- LEFT CENTRAL ARTERY OCCLUSION

type: numeric (float)
label: F18CENTL

range: [1,3] units: 1
unique values: 3 coded missing: 777 / 1904

tabulation:	Freq.	Numeric	Label
	1121	1	ABSENT
	4	2	PRESENT
	2	3	NOT EXAMINED

F18VEINR ----- RIGHT CENTRAL VEIN OCCLUSION

type: numeric (float)
label: F18VEINR

range: [1,2] units: 1
unique values: 2 coded missing: 785 / 1904

tabulation:	Freq.	Numeric	Label
	1116	1	ABSENT
	3	2	PRESENT

F18VEINL ----- LEFT CENTRAL VEIN OCCLUSION

type: numeric (float)
label: F18VEINL

range: [1,3] units: 1
unique values: 3 coded missing: 782 / 1904

tabulation:	Freq.	Numeric	Label
	1117	1	ABSENT
	3	2	PRESENT
	2	3	NOT EXAMINED

CODEBOOK FOR CSSCD FORM 18
OCULAR EXAM FORM - PAGE 4
CSSCD FULL COHORT PATIENTS

F18PACR ----- PERIPHERAL ARTERIAL OCCLUSION RIGHT

type: numeric (float)
label: F18PACR

range: [1,3] units: 1
unique values: 3 coded missing: 781 / 1904

tabulation:	Freq.	Numeric	Label
	703	1	ABSENT
	280	2	PRESENT
	140	3	NOT DETERMINED

F18PACL ----- PERIPHERAL ARTERIAL OCCLUSION LEFT

type: numeric (float)
label: F18PACL

range: [1,3] units: 1
unique values: 3 coded missing: 781 / 1904

tabulation:	Freq.	Numeric	Label
	716	1	ABSENT
	260	2	PRESENT
	147	3	NOT DETERMINED

F18PAVAR ----- PERIPHERAL ARTERIOLAR-VENULAR ANASTOMSES RIGHT

type: numeric (float)
label: F18PAVAR

range: [1,3] units: 1
unique values: 3 coded missing: 784 / 1904

tabulation:	Freq.	Numeric	Label
	890	1	ABSENT
	131	2	PRESENT
	99	3	NOT DETERMINED

F18PAVAL ----- PERIPHERAL ARTERIOLAR-VENULAR ANASTOMSES LEFT

type: numeric (float)
label: F18PAVAL

range: [1,3] units: 1
unique values: 3 coded missing: 783 / 1904

tabulation:	Freq.	Numeric	Label
	896	1	ABSENT
	114	2	PRESENT
	111	3	NOT DETERMINED

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F18NFPR ----- NEOVASCULAR FIBROUS PROLIFERATION RIGHT

type: numeric (float)
label: F18NFPR

range: [1,3] units: 1
unique values: 3 coded missing: 781 / 1904

tabulation:	Freq.	Numeric	Label
	971	1	ABSENT
	122	2	PRESENT
	30	3	NOT DETERMINED

F18NFPL ----- NEOVASCULAR FIBROUS PROLIFERATION LEFT

type: numeric (float)
label: F18NFPL

range: [1,3] units: 1
unique values: 3 coded missing: 780 / 1904

tabulation:	Freq.	Numeric	Label
	982	1	ABSENT
	111	2	PRESENT
	31	3	NOT DETERMINED

F18VHR ----- VITREOUS HEMORRHAGE RIGHT

type: numeric (float)
label: F18VHR

range: [1,3] units: 1
unique values: 3 coded missing: 786 / 1904

tabulation:	Freq.	Numeric	Label
	1084	1	ABSENT
	24	2	PRESENT
	10	3	NOT DETERMINED

F18VHL ----- VITREOUS HEMORRHAGE LEFT

type: numeric (float)
label: F18VHL

range: [1,3] units: 1
unique values: 3 coded missing: 782 / 1904

tabulation:	Freq.	Numeric	Label
	1079	1	ABSENT
	33	2	PRESENT
	10	3	NOT DETERMINED

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F18RDR ----- RETINAL DETACHMENT RIGHT

type: numeric (float)
label: F18RDR

range: [1,3] units: 1
unique values: 3 coded missing: 783 / 1904

tabulation:	Freq.	Numeric	Label
	1100	1	ABSENT
	13	2	PRESENT
	8	3	NOT DETERMINED

F18RDL ----- RETINAL DETACHMENT LEFT

type: numeric (float)
label: F18RDL

range: [1,3] units: 1
unique values: 3 coded missing: 786 / 1904

tabulation:	Freq.	Numeric	Label
	1098	1	ABSENT
	12	2	PRESENT
	8	3	NOT DETERMINED

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CSSCD FULL COHORT PATIENTS

F18OPHYS ----- OTHER PHYSICAL FINDINGS

type: numeric (float)
label: F18OPHYS

range: [1,3] units: 1
unique values: 3 coded missing: 94 / 1904

tabulation:	Freq.	Numeric	Label
	1511	1	NO
	151	2	YES
	148	3	

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CSSCD FULL COHORT PATIENTS

F18DRAW ----- RETINAL DRAWING DONE

type: numeric (float)
label: F18DRAW

range: [1,3] units: 1
unique values: 3 coded missing: 1479 / 1904

tabulation:	Freq.	Numeric	Label
	76	1	RIGHT
	74	2	LEFT
	275	3	BOTH

F18PHOTO ----- RETINAL PHOTO DONE

type: numeric (float)
label: F18PHOTO

range: [1,3] units: 1
unique values: 3 coded missing: 1474 / 1904

tabulation:	Freq.	Numeric	Label
	34	1	RIGHT
	39	2	LEFT
	357	3	BOTH

F18TREAT ----- TREATMENT GIVEN

type: numeric (float)
label: F18TREAT

range: [1,2] units: 1
unique values: 2 coded missing: 278 / 1904

tabulation:	Freq.	Numeric	Label
	1552	1	NO
	74	2	YES

F18MEDT1 ----- TOPICAL MEDICATIONS

type: numeric (float)
label: F18MEDT1

range: [-1,999] units: 1
unique values: 3 coded missing: 1863 / 1904

tabulation:	Freq.	Numeric	Label
	34	-1	NO MEDICATION
	1	444	
	6	999	MISSING CODE

F18MEDT1:

1. Required only if F18TREAT=2.
2. See Appendix D for medication codes.

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F18MEDS1 ----- SYSTEMIC MEDICATIONS

type: numeric (float)
label: F18MEDS1

range: [-1,999] units: 1
unique values: 2 coded missing: 1861 / 1904

tabulation: Freq. Numeric Label
42 -1 NO MEDICATION
1 999 MISSING CODE

F18MEDS1:

1. Required only if F18TREAT=2.
2. See Appendix D for medication codes.

F18SURG ----- SURGERY

type: numeric (float)
label: F18SURG

range: [1,2] units: 1
unique values: 2 coded missing: 1856 / 1904

tabulation: Freq. Numeric Label
33 1 NO
15 2 YES

F18SURG:

1. Required only if F18TREAT=2.

F18OTHER ----- OTHER TREATMENT

type: numeric (float)
label: F18OTHER

range: [1,2] units: 1
unique values: 2 coded missing: 1849 / 1904

tabulation: Freq. Numeric Label
15 1 NO
40 2 YES

F18OTHER:

1. Required only if F18TREAT=2.

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F18FINAL ----- FINAL DIAGNOSIS

type: numeric (float)
label: F18FINAL

range: [1,2] units: 1
unique values: 2 coded missing: 182 / 1904

tabulation: Freq. Numeric Label
907 1 NORMAL
815 2 ABNORMAL

F18FIN1 ----- FINAL DIAGNOSIS GLAUCOMA

type: numeric (float)
label: F18FIN1

range: [1,3] units: 1
unique values: 3 coded missing: 1298 / 1904

tabulation: Freq. Numeric Label
591 1 ABSENT
8 2 PRESENT
7 3 SUSPECT

F18FIN1:
1. Required only if F18FINAL=2.

F18FIN2 ----- FINAL DIAGNOSIS CATARACT

type: numeric (float)
label: F18FIN2

range: [1,3] units: 1
unique values: 3 coded missing: 1300 / 1904

tabulation: Freq. Numeric Label
595 1 ABSENT
8 2 PRESENT
1 3 SUSPECT

F18FIN2:
1. Required only if F18FINAL=2.

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F18FIN3 ----- FINAL DIAGNOSIS UVEITIS

type: numeric (float)
label: F18FIN3

range: [1,3] units: 1
unique values: 3 coded missing: 1301 / 1904

tabulation:	Freq.	Numeric	Label
	600	1	ABSENT
	2	2	PRESENT
	1	3	SUSPECT

F18FIN3:

1. Required only if F18FINAL=2.

F18FIN4 ----- FINAL DIAGNOSIS OTHER

type: numeric (float)
label: F18FIN4

range: [1,3] units: 1
unique values: 3 coded missing: 1288 / 1904

tabulation:	Freq.	Numeric	Label
	528	1	ABSENT
	82	2	PRESENT
	6	3	SUSPECT

F18FIN4:

1. Required only if F18FINAL=2.

F18FIN5 ----- FINAL DIAGNOSIS IRIS ABNORMALITIES

type: numeric (float)
label: F18FIN5

range: [1,3] units: 1
unique values: 3 coded missing: 1320 / 1904

tabulation:	Freq.	Numeric	Label
	548	1	ABSENT
	33	2	PRESENT
	3	3	SUSPECT

F18FIN5:

1. Required only if F18FINAL=2.

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F18FIN6 ----- FINAL DIAGNOSIS STAGE I-II

type: numeric (float)
label: F18FIN6

range: [1,3] units: 1
unique values: 3 coded missing: 1283 / 1904

tabulation:	Freq.	Numeric	Label
	143	1	ABSENT
	416	2	PRESENT
	62	3	SUSPECT

F18FIN6:

1. Required only if F18FINAL=2.

F18FIN7 ----- FINAL DIAGNOSIS STAGE III

type: numeric (float)
label: F18FIN7

range: [1,3] units: 1
unique values: 3 coded missing: 1494 / 1904

tabulation:	Freq.	Numeric	Label
	290	1	ABSENT
	101	2	PRESENT
	19	3	SUSPECT

F18FIN7:

1. Required only if F18FINAL=2.

F18FIN8 ----- FINAL DIAGNOSIS STAGE IV

type: numeric (float)
label: F18FIN8

range: [1,3] units: 1
unique values: 3 coded missing: 1555 / 1904

tabulation:	Freq.	Numeric	Label
	318	1	ABSENT
	27	2	PRESENT
	4	3	SUSPECT

F18FIN8:

1. Required only if F18FINAL=2.

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F18FIN9 ----- FINAL DIAGNOSIS STAGE V

type: numeric (float)
label: F18FIN9

range: [1,3] units: 1
unique values: 3 coded missing: 1565 / 1904

tabulation:	Freq.	Numeric	Label
	326	1	ABSENT
	9	2	PRESENT
	4	3	SUSPECT

F18FIN9:

1. Required only if F18FINAL=2.

F18FIN10 ----- FINAL DIAGNOSIS MACULAR

type: numeric (float)
label: F18FIN10

range: [1,3] units: 1
unique values: 3 coded missing: 1575 / 1904

tabulation:	Freq.	Numeric	Label
	323	1	ABSENT
	5	2	PRESENT
	1	3	SUSPECT

F18FIN10:

1. Required only if F18FINAL=2.

F18FIN11 ----- FINAL DIAGNOSIS 2-LINE LOSS

type: numeric (float)
label: F18FIN11

range: [1,3] units: 1
unique values: 3 coded missing: 1583 / 1904

tabulation:	Freq.	Numeric	Label
	318	1	ABSENT
	1	2	PRESENT
	2	3	SUSPECT

F18FIN11:

1. Required only if F18FINAL=2.

_dta:

1. Created 11/01/99.

A. List of variables deleted F19INIT F19NDATE F19LASTU F19LASTE F19ESTAT
F19VDATE F19DATE F19DFC F19FCB F19PEB

B. List of variables modified NONE

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- 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 F19DATE
- H. New name JF19DATE
- I. Collection Information:
Form 18E (Ocular Exam Form) was to be filled out on a random sample of patients > 10 years of age at 11 clinical centers. Associated colored photos/slides, drawings, and fluorescein angiograms were forwarded to the SCC for verification of the diagnosis by Dr. Maurice Raab at the University of Illinois.
- J. Data Collection Period: 10/85-06/88
- K. Form Version Dates: 07/01/85
- L. Files Used to Store Information:
SAS System Files: R19.SD2
Format Files: R19.FMT
- M. Unique Record Identifiers: ANONID
- N. Number of Observations (Patients) in SAS Dataset: 170 (170)
- O. Contents of SAS Dataset:
- Alphabetical Listing of Variables: See pp. 1-4
 - Listing of Variables by Position: See pp. 5-7
- P. Notes About Selected Variables: None
- Q. Computed Variables: None
- R. Inter-Relationship With Other Datasets:
Ocular data were also collected on

Phase 1 Forms	SAS Dataset	See Section
Form 18	R18.SD2	6.7.1
Form 66	R66.SD2	8.4
"Roster"	R09.SD2	1.0 (variable: OCEXSTAT)

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CONTENTS OF SAS DATASET: R19.SD2
 DATA FROM CSSCD FORM 18E - OCULAR EXAM
 (for use after July 1, 1985)
 VARIABLES ARE LISTED IN ALPHABETICAL ORDER AND IN ORDER OF THEIR POSITION
 IN THE SAS DATASET AND ON FORM 18E

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Data Set Name	OUT1.R19	Observations	170
Member Type	DATA	Variables	112
Engine	V9	Indexes	0
Created	15:00 Wednesday, October 25, 2006	Observation Length	928
Last Modified	15:00 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	16384
Number of Data Set Pages	11
First Data Page	1
Max Obs per Page	17
Obs in First Data Page	1
Number of Data Set Repairs	0
File Name	r19.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 #
27	F19ANGIL	Num	8	LEFT ANGIOID STREAKS
107	F19ANGIO	Num	8	STATUS OF ANGIOGRAPHY
26	F19ANGIR	Num	8	RIGHT ANGIOID STREAKS
39	F19CENTL	Num	8	LEFT CENTRAL ARTERY OCCLUSION
38	F19CENTR	Num	8	RIGHT CENTRAL ARTERY OCCLUSION
31	F19CHORL	Num	8	LEFT CHOROID
30	F19CHORR	Num	8	RIGHT CHOROID
110	F19CNFRM	Num	8	CONFIRMATION OF ANGIOGRAPHIC DIAGNOSIS
109	F19DRAW	Num	8	STATUS OF OCULAR DRAWINGS
87	F19FIN1	Num	8	FINAL DIAGNOSIS GLAUCOMA
88	F19FIN2	Num	8	FINAL DIAGNOSIS CATARACT
89	F19FIN3	Num	8	FINAL DIAGNOSIS UVEITIS
90	F19FIN4	Num	8	FINAL DIAGNOSIS OTHER
92	F19FIN5L	Num	8	FINAL DIAGNOSIS IRIS ABNORMALITIES L
91	F19FIN5R	Num	8	FINAL DIAGNOSIS IRIS ABNORMALITIES R

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94	F19FIN6L	Num	8	FINAL DIAGNOSIS STAGE I-II LEFT
93	F19FIN6R	Num	8	FINAL DIAGNOSIS STAGE I-II RIGHT
96	F19FIN7L	Num	8	FINAL DIAGNOSIS STAGE III LEFT
95	F19FIN7R	Num	8	FINAL DIAGNOSIS STAGE III RIGHT
98	F19FIN8L	Num	8	FINAL DIAGNOSIS STAGE IV LEFT
97	F19FIN8R	Num	8	FINAL DIAGNOSIS STAGE IV RIGHT
100	F19FIN9L	Num	8	FINAL DIAGNOSIS STAGE V LEFT
99	F19FIN9R	Num	8	FINAL DIAGNOSIS STAGE V RIGHT
86	F19FINAL	Num	8	FINAL DIAGNOSIS
102	F19FN10L	Num	8	FINAL DIAGNOSIS MACULAR LEFT
101	F19FN10R	Num	8	FINAL DIAGNOSIS MACULAR RIGHT

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Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
104	F19FN11L	Num	8	FINAL DIAGNOSIS 2-LINE LOSS LEFT
103	F19FN11R	Num	8	FINAL DIAGNOSIS 2-LINE LOSS RIGHT
106	F19FN12L	Num	8	FINAL DIAGNOSIS AUTO INFARC. LEFT
105	F19FN12R	Num	8	FINAL DIAGNOSIS AUTO INFARC. RIGHT
29	F19HOLEL	Num	8	LEFT RETINAL TEAR
28	F19HOLER	Num	8	RIGHT RETINAL TEAR
23	F19IRIDL	Num	8	LEFT IRIDESCENT SPOTS
22	F19IRIDR	Num	8	RIGHT IRIDESCENT SPOTS
15	F19IRISL	Num	8	LEFT IRIS
14	F19IRISR	Num	8	RIGHT IRIS
33	F19MACUL	Num	8	LEFT MACULA
32	F19MACUR	Num	8	RIGHT MACULA
111	F19NDIAG	Char	33	NEW DIAGNOSIS
47	F19NFPL	Num	8	NEOVASCULAR FIBROUS PROLIFERATION LEFT
46	F19NFPR	Num	8	NEOVASCULAR FIBROUS PROLIFERATION RIGHT
52	F19ODIAG	Num	8	DIAGNOSIS BY RETINAL OPHTHALMOSCOPY
36	F19OPTL1	Num	8	LEFT OPTIC DISK-COMMA SIGN
37	F19OPTL2	Num	8	LEFT OPTIC DISK-NEOVASCULARIZATION
34	F19OPTR1	Num	8	RIGHT OPTIC DISK-COMMA SIGN
35	F19OPTR2	Num	8	RIGHT OPTIC DISK-NEOVASCULARIZATION
43	F19PACL	Num	8	PERIPHERAL ARTERIAL OCCLUSION LEFT
42	F19PACR	Num	8	PERIPHERAL ARTERIAL OCCLUSION RIGHT
45	F19PAVAL	Num	8	PERIPHERAL ARTERIOLAR-VENULAR ANASTOMSES
44	F19PAVAR	Num	8	PERIPHERAL ARTERIOLAR-VENULAR ANASTOMSES
108	F19PHOTO	Num	8	STATUS OF COLOR PHOTOS
53	F19RA	Num	8	RETINAL ANGIOGRAPHY
63	F19RANGL	Num	8	RET ANG LEFT ANGIOID STREAKS
62	F19RANGR	Num	8	RET ANG RIGHT ANGIOID STREAKS
85	F19RAUTL	Num	8	RET ANG AUTOINFARCTION LEFT
84	F19RAUTR	Num	8	RET ANG AUTOINFARCTION RIGHT
71	F19RCENL	Num	8	RET ANG LEFT CENTRAL ARTERY OCCLUSION
70	F19RCENR	Num	8	RET ANG RIGHT CENTRAL ARTERY OCCLUSION
51	F19RDL	Num	8	RETINAL DETACHMENT LEFT
50	F19RDR	Num	8	RETINAL DETACHMENT RIGHT
19	F19RETHL	Num	8	LEFT RETINAL HEMORRHAGE
18	F19RETHR	Num	8	RIGHT RETINAL HEMORRHAGE
65	F19RMACL	Num	8	RET ANG LEFT MACULA
64	F19RMACR	Num	8	RET ANG RIGHT MACULA
79	F19RNFPL	Num	8	RET ANG NEOVASCULAR FIBROUS PROLIFERATIO
78	F19RNFPR	Num	8	RET ANG NEOVASCULAR FIBROUS PROLIFERATIO
68	F19ROPL1	Num	8	RET ANG LEFT OPTIC DISK-COMMA SIGN
69	F19ROPL2	Num	8	RET ANG LEFT OPTIC DISK
66	F19ROPR1	Num	8	RET ANG RIGHT OPTIC DISK-COMMA SIGN
67	F19ROPR2	Num	8	RET ANG RIGHT OPTIC DISK
75	F19RPACL	Num	8	RET ANG PERIPHERAL ARTERIAL OCCLUSION
74	F19RPACR	Num	8	RET ANG PERIPHERAL ARTERIAL OCCLUSION

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77	F19RPAVL	Num	8	RET ANG PERIPHERAL ARTERIOLAR-VENULAR
76	F19RPAVR	Num	8	RET ANG PERIPHERAL ARTERIOLAR-VENULAR
83	F19RRDL	Num	8	RET ANG RETINAL DETACHMENT LEFT
82	F19RRDR	Num	8	RET ANG RETINAL DETACHMENT RIGHT
57	F19RRHML	Num	8	RET ANG LEFT RETINAL HEMORRHAGE
56	F19RRHMR	Num	8	RET ANG RIGHT RETINAL HEMORRHAGE

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 CSSCD FULL COHORT PATIENTS

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Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
59	F19RSCHL	Num	8	RET ANG LEFT SCHISIS CAVITIES
58	F19RSCHR	Num	8	RET ANG RIGHT SCHISIS CAVITIES
61	F19RSUNL	Num	8	RET ANG LEFT SUNBURSTS
60	F19RSUNR	Num	8	RET ANG RIGHT SUNBURSTS
55	F19RTORL	Num	8	RET ANG LEFT VESSEL TORTUOSITY
54	F19RTORR	Num	8	RET ANG RIGHT VESSEL TORTUOSITY
73	F19RVENL	Num	8	RET ANG LEFT CENTRAL VEIN OCCLUSION
72	F19RVENR	Num	8	RET ANG RIGHT CENTRAL VEIN OCCLUSION
81	F19RVHL	Num	8	RET ANG VITREOUS HEMORRHAGE LEFT
80	F19RVHR	Num	8	RET ANG VITREOUS HEMORRHAGE RIGHT
21	F19SCHIL	Num	8	LEFT SCHISIS CAVITIES
20	F19SCHIR	Num	8	RIGHT SCHISIS CAVITIES
25	F19SUNBL	Num	8	LEFT SUNBURSTS
24	F19SUNBR	Num	8	RIGHT SUNBURSTS
7	F19SYML1	Num	8	SYMPTOMS LEFT EYE PAIN
8	F19SYML2	Num	8	SYMPTOMS LEFT VISION LOSS
9	F19SYML3	Num	8	SYMPTOMS LEFT BLURRED VISION
10	F19SYML4	Num	8	SYMPTOMS LEFT DOUBLE VISION
11	F19SYML5	Num	8	SYMPTOMS LEFT OTHER
2	F19SYMR1	Num	8	SYMPTOMS RIGHT EYE PAIN
3	F19SYMR2	Num	8	SYMPTOMS RIGHT VISION LOSS
4	F19SYMR3	Num	8	SYMPTOMS RIGHT BLURRED VISION
5	F19SYMR4	Num	8	SYMPTOMS RIGHT DOUBLE VISION
6	F19SYMR5	Num	8	SYMPTOMS RIGHT OTHER
17	F19TORTL	Num	8	LEFT VESSEL TORTUOSITY
16	F19TORTR	Num	8	RIGHT VESSEL TORTUOSITY
41	F19VEINL	Num	8	LEFT CENTRAL VEIN OCCLUSION
40	F19VEINR	Num	8	RIGHT CENTRAL VEIN OCCLUSION
49	F19VHL	Num	8	VITREOUS HEMORRHAGE LEFT
48	F19VHR	Num	8	VITREOUS HEMORRHAGE RIGHT
13	F19VISNL	Num	8	LEFT CORRECTED VISION
12	F19VISNR	Num	8	RIGHT CORRECTED VISION
112	JF19DATE	Num	8	DATE OF VISIT - RECODE DAYS SINCE DOE

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* R19.FMT contains value labels for numerical codes assigned to
categorical *
* variables in the SAS dataset R19.SD2
*

*****;

* SIR/DBMS 2.2 SAS PROC STEP FROM DATABASE: CSSCD 10/26/99 14:55:20;

PROC FORMAT;

* FORMAT NY_DK IS DEFINED FOR VARIABLES: F19SYMR1 F19SYMR2 F19SYMR3
F19SYMR4 F19SYMR5 F19SYML1
F19SYML2 F19SYML3
F19SYML4 F19SYML5;

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

* FORMAT VISN IS DEFINED FOR VARIABLES: F19VISNR F19VISNL;

VALUE VISN
1 = '20.20'
2 = '20.25-30'
3 = '20.40-50'
4 = '20.60-80'
5 = '20.100-200'
6 = '20.400-800'
7 = 'COUNTING FINGERS'
8 = 'HAND MOVEMENT'
9 = 'LIGHT PERCEPTION'
10 = 'NO LIGHT PERC.';

* FORMAT IRIS IS DEFINED FOR VARIABLES: F19IRISR F19IRISL;

VALUE IRIS
1 = 'NORMAL'
2 = 'ATROPHY'
3 = 'OTHER';

* FORMAT TORT IS DEFINED FOR VARIABLES: F19TORTR F19TORTL;

VALUE TORT
1 = 'ABSENT'

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2 = 'LOCAL'
3 = 'GENERALIZED';

* FORMAT RETH IS DEFINED FOR VARIABLES: F19RETHR F19RETHL;

VALUE RETH
1 = 'ABSENT'
2 = '1-4'
3 = '5-10'
4 = '>10';

* FORMAT SCHI IS DEFINED FOR VARIABLES: F19SCHIR F19SCHIL F19RSCHR
F19RSCHL;

VALUE SCHI
1 = 'ABSENT'
2 = '1-4'
3 = '>4';

* FORMAT ABSENT IS DEFINED FOR VARIABLES: F19IRIDR F19IRIDL F19ANGIR
F19ANGIL F19HOLER F19HOLEL F19OPTR1
F19OPTR2 F19OPTL1 F19OPTL2 F19RRHMR
F19RRHML F19RANGR F19RANGL F19ROPR1
F19ROPR2 F19ROPL1 F19ROPL2 F19RCENR
F19RCENL F19RVENR F19RVENL F19RPACR
F19RPAVL F19RPAVR F19RNFPR
F19RNFPL F19RRDR F19RRDL F19RAUTR
F19RAUTL;

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

* FORMAT SUNB IS DEFINED FOR VARIABLES: F19SUNBR F19SUNBL;

VALUE SUNB
1 = 'ABSENT'
2 = '1-4'
3 = '5-10'

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4 = '>10';

* FORMAT CHOR IS DEFINED FOR VARIABLES: F19CHORR F19CHORL;

VALUE CHOR

1 = 'NORMAL'
2 = 'ISCHEMIC';

* FORMAT MACU IS DEFINED FOR VARIABLES: F19MACUR F19MACUL;

VALUE MACU

1 = 'PIGMENT CHANGE'
2 = 'VASCULAR OCCLUSION'
4 = 'DEPRESSIONS'
8 = 'PRE-RETINAL MEMBRANE'
16 = 'MACULAR TRACTION'
32 = 'HEMORRHAGE'
64 = 'MACULAR HOLE OR CYST'
128 = 'NORMAL';

* FORMAT ABS_NE IS DEFINED FOR VARIABLES: F19CENTR F19CENTL F19VEINR
F19VEINL;

VALUE ABS_NE

1 = 'ABSENT'
2 = 'PRESENT'
3 = 'NOT EXAMINED';

* FORMAT ABS_ND IS DEFINED FOR VARIABLES: F19PACR F19PACL F19PAVAR
F19PAVAL

F19NFPR F19NFPL F19VHR
F19VHL F19RDR F19RDL;

VALUE ABS_ND

1 = 'ABSENT'
2 = 'PRESENT'
3 = 'NOT DETERMINED';

VALUE F19ODIAG

1 = 'NO SICKLE RETINOPATHY'
2 = 'SICKLE RETINOPATHY PRESENT';

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VALUE F19RA

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

* FORMAT RTOR IS DEFINED FOR VARIABLES: F19RTORR F19RTORL;

VALUE RTOR

1 = 'ABSENT'
2 = 'LOCAL'
3 = 'GENERALIZED';

* FORMAT RSUN IS DEFINED FOR VARIABLES: F19RSUNR F19RSUNL;

VALUE RSUN

0 = 'ABSENT';

* FORMAT RMAC IS DEFINED FOR VARIABLES: F19RMACR F19RMACL;

VALUE RMAC

1 = 'PIGMENT CHANGE'
2 = 'VASCULAR OCCLUSION'
4 = 'DEPRESSIONS'
8 = 'MACULAR TRACTION'
16 = 'HEMORRHAGE'
32 = 'MACULAR HOLE OR CYST'
64 = 'PERIFOCAL CAPILLARY DROPOUT'
128 = 'NORMAL';

VALUE F19FINAL

1 = 'NORMAL'
2 = 'ABNORMAL';

* FORMAT ABS_SUS IS DEFINED FOR VARIABLES: F19FIN1 F19FIN2 F19FIN3
F19FIN4 F19FIN5R F19FIN5L F19FIN6R
F19FIN6L F19FIN7R F19FIN7L F19FIN8R
F19FIN8L F19FIN9R F19FIN9L F19FN10R
F19FN10L F19FN11R F19FN11L F19FN12R
F19FN12L;

VALUE ABS_SUS

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1 = 'ABSENT'
2 = 'PRESENT'
3 = 'SUSPECT';

* FORMAT QUAL IS DEFINED FOR VARIABLES: F19ANGIO F19PHOTO F19DRAW;

VALUE QUAL
1 = 'ADEQUATE QUALITY'
2 = 'INADEQUATE QUALITY'
3 = 'NOT DONE';

VALUE F19CNFRM
1 = 'CONFIRMED DIAGNOSIS'
2 = 'NOT CONFIRMABLE'
3 = 'DISCONFIRMED, INCORRECT DIAGNOSIS';

* FORMAT MMDDYY8.
F19SYMR1 F19SYMR2 F19SYMR3 F19SYMR4 F19SYMR5
F19SYML1 F19SYML2 F19SYML3 F19SYML4 F19SYML5 NY_DK.
F19VISNR F19VISNL VISN.
F19IRISR F19IRISL IRIS.
F19TORTR F19TORTL TORT.
F19RETHR F19RETHL RETH.
F19SCHIR F19SCHIL F19RSCHR F19RSCHL SCHI.
F19IRIDR F19IRIDL F19ANGIR F19ANGIL F19HOLER F19HOLEL
F19OPTR1 F19OPTR2 F19OPTL1 F19OPTL2 F19RRHMR F19RRHML
F19RANGR F19RANGL F19ROPR1 F19ROPR2
F19ROPL1 F19ROPL2 F19RCENR F19RCENL F19RVENR F19RVENL
F19RPACR F19RPACL F19RPAVR F19RPAVL F19RNFPR F19RNFPL
F19RRDR F19RRDL F19RAUTR F19RAUTL ABSENT.
F19SUNBR F19SUNBL SUNB.
F19CHORR F19CHORL CHOR.
F19MACUR F19MACUL MACU.
F19CENTR F19CENTL F19VEINR F19VEINL ABS_NE.
F19PACR F19PACL F19PAVAR F19PAVAL F19NFPR F19NFPL
F19VHR F19VHL F19RDR F19RDL ABS_ND.
F19ODIAG F19ODIAG.
F19RA F19RA.
F19RTORR F19RTORL RTOR.
F19RSUNR F19RSUNL RSUN.
F19MACR F19MACL RMAC.
F19FINAL F19FINAL.
F19FIN1 F19FIN2 F19FIN3 F19FIN4 F19FIN5R F19FIN5L
F19FIN6R F19FIN6L F19FIN7R F19FIN7L F19FIN8R F19FIN8L
F19FIN9R F19FIN9L F19FN10R F19FN10L F19FN11R F19FN11L
F19FN12R F19FN12L ABS_SUS.
F19ANGIO F19PHOTO F19DRAW QUAL.
F19CNFRM F19CNFRM.;

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RUN;
QUIT;

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F19VDATE ----- VERSION DATE DELETED

type: numeric (int)
label: datelab

range: [9313,10465] units: 1
unique values: 4 coded missing: 0 / 170

tabulation:	Freq.	Numeric	Label
	166	9313	07/01/85
	1	9959	04/08/87
	2	10409	07/01/88
	1	10465	08/26/88

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F19SYMR1 ----- SYMPTOMS RIGHT EYE PAIN

type: numeric (float)
label: F19SYMR1

range: [1,3] units: 1
unique values: 2 coded missing: 6 / 170

tabulation:	Freq.	Numeric	Label
	157	1	NO
	7	3	YES

F19SYMR1:

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

F19SYMR2 ----- SYMPTOMS RIGHT VISION LOSS

type: numeric (float)
label: F19SYMR2

range: [1,3] units: 1
unique values: 2 coded missing: 6 / 170

tabulation:	Freq.	Numeric	Label
	154	1	NO
	10	3	YES

F19SYMR2:

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

F19SYMR3 ----- SYMPTOMS RIGHT BLURRED VISION

type: numeric (float)
label: F19SYMR3

range: [1,3] units: 1
unique values: 2 coded missing: 6 / 170

tabulation:	Freq.	Numeric	Label
	140	1	NO
	24	3	YES

F19SYMR3:

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

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F19SYMR4 ----- SYMPTOMS RIGHT DOUBLE VISION

type: numeric (float)
label: F19SYMR4

range: [1,3] units: 1
unique values: 3 coded missing: 6 / 170

tabulation:	Freq.	Numeric	Label
	156	1	NO
	1	2	DK
	7	3	YES

F19SYMR4:

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

F19SYMR5 ----- SYMPTOMS RIGHT OTHER

type: numeric (float)
label: F19SYMR5

range: [1,3] units: 1
unique values: 2 coded missing: 51 / 170

tabulation:	Freq.	Numeric	Label
	102	1	NO
	17	3	YES

F19SYMR5:

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

F19SYML1 ----- SYMPTOMS LEFT EYE PAIN

type: numeric (float)
label: F19SYML1

range: [1,3] units: 1
unique values: 2 coded missing: 6 / 170

tabulation:	Freq.	Numeric	Label
	156	1	NO
	8	3	YES

F19SYML1:

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

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F19SYML2 ----- SYMPTOMS LEFT VISION LOSS

type: numeric (float)
label: F19SYML2

range: [1,3] units: 1
unique values: 2 coded missing: 5 / 170

tabulation:	Freq.	Numeric	Label
	155	1	NO
	10	3	YES

F19SYML2:

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

F19SYML3 ----- SYMPTOMS LEFT BLURRED VISION

type: numeric (float)
label: F19SYML3

range: [1,3] units: 1
unique values: 2 coded missing: 5 / 170

tabulation:	Freq.	Numeric	Label
	142	1	NO
	23	3	YES

F19SYML3:

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

F19SYML4 ----- SYMPTOMS LEFT DOUBLE VISION

type: numeric (float)
label: F19SYML4

range: [1,3] units: 1
unique values: 3 coded missing: 6 / 170

tabulation:	Freq.	Numeric	Label
	156	1	NO
	1	2	DK
	7	3	YES

F19SYML4:

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

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F19SYML5 ----- SYMPTOMS LEFT OTHER

type: numeric (float)
label: F19SYML5

range: [1,3] units: 1
unique values: 2 coded missing: 50 / 170

tabulation:	Freq.	Numeric	Label
	105	1	NO
	15	3	YES

F19SYML5:

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

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F19VISNR ----- RIGHT CORRECTED VISION

type: numeric (float)
label: F19VISNR

range: [1,10] units: 1
unique values: 8 coded missing: 2 / 170

tabulation:	Freq.	Numeric	Label
	120	1	20.20
	32	2	20.25-30
	4	3	20.40-50
	2	4	20.60-80
	4	5	20.100-200
	2	6	20.400-800
	1	7	COUNTING FINGERS
	3	10	NO LIGHT PERC.

F19VISNL ----- LEFT CORRECTED VISION

type: numeric (float)
label: F19VISNL

range: [1,10] units: 1
unique values: 7 coded missing: 2 / 170

tabulation:	Freq.	Numeric	Label
	118	1	20.20
	38	2	20.25-30
	3	3	20.40-50
	2	4	20.60-80
	2	5	20.100-200
	1	9	LIGHT PERCEPTION
	4	10	NO LIGHT PERC.

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F19IRISR ----- RIGHT IRIS

type: numeric (float)
label: F19IRISR

range: [1,3] units: 1
unique values: 3 coded missing: 4 / 170

tabulation:	Freq.	Numeric	Label
	151	1	NORMAL
	11	2	ATROPHY
	4	3	OTHER

F19IRISL ----- LEFT IRIS

type: numeric (float)
label: F19IRISL

range: [1,3] units: 1
unique values: 3 coded missing: 7 / 170

tabulation:	Freq.	Numeric	Label
	150	1	NORMAL
	11	2	ATROPHY
	2	3	OTHER

F19TORTR ----- RIGHT VESSEL TORTUOSITY

type: numeric (float)
label: F19TORTR

range: [1,3] units: 1
unique values: 3 coded missing: 6 / 170

tabulation:	Freq.	Numeric	Label
	141	1	ABSENT
	8	2	LOCAL
	15	3	GENERALIZED

F19TORTL ----- LEFT VESSEL TORTUOSITY

type: numeric (float)
label: F19TORTL

range: [1,3] units: 1
unique values: 3 coded missing: 6 / 170

tabulation:	Freq.	Numeric	Label
	140	1	ABSENT
	7	2	LOCAL
	17	3	GENERALIZED

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F19RETHR ----- RIGHT RETINAL HEMORRHAGE

type: numeric (float)
label: F19RETHR

range: [1,2] units: 1
unique values: 2 coded missing: 6 / 170

tabulation:	Freq.	Numeric	Label
	161	1	ABSENT
	3	2	1-4

F19RETHL ----- LEFT RETINAL HEMORRHAGE

type: numeric (float)
label: F19RETHL

range: [1,2] units: 1
unique values: 2 coded missing: 6 / 170

tabulation:	Freq.	Numeric	Label
	161	1	ABSENT
	3	2	1-4

F19SCHIR ----- RIGHT SCHISIS CAVITIES

type: numeric (float)
label: F19SCHIR

range: [1,2] units: 1
unique values: 2 coded missing: 7 / 170

tabulation:	Freq.	Numeric	Label
	152	1	ABSENT
	11	2	1-4

F19SCHIL ----- LEFT SCHISIS CAVITIES

type: numeric (float)
label: F19SCHIL

range: [1,2] units: 1
unique values: 2 coded missing: 7 / 170

tabulation:	Freq.	Numeric	Label
	148	1	ABSENT
	15	2	1-4

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F19IRIDR ----- RIGHT IRIDESCENT SPOTS

type: numeric (float)
label: F19IRIDR

range: [1,2] units: 1
unique values: 2 coded missing: 7 / 170

tabulation: Freq. Numeric Label
144 1 ABSENT
19 2 PRESENT

F19IRIDL ----- LEFT IRIDESCENT SPOTS

type: numeric (float)
label: F19IRIDL

range: [1,2] units: 1
unique values: 2 coded missing: 6 / 170

tabulation: Freq. Numeric Label
144 1 ABSENT
20 2 PRESENT

F19SUNBR ----- RIGHT SUNBURSTS

type: numeric (float)
label: F19SUNBR

range: [1,4] units: 1
unique values: 4 coded missing: 6 / 170

tabulation: Freq. Numeric Label
94 1 ABSENT
63 2 1-4
5 3 5-10
2 4 >10

F19SUNBL ----- LEFT SUNBURSTS

type: numeric (float)
label: F19SUNBL

range: [1,4] units: 1
unique values: 4 coded missing: 7 / 170

tabulation: Freq. Numeric Label
95 1 ABSENT
63 2 1-4
4 3 5-10
1 4 >10

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F19ANGIR ----- RIGHT ANGIOID STREAKS

type: numeric (float)
label: F19ANGIR

range: [1,2] units: 1
unique values: 2 coded missing: 6 / 170

tabulation: Freq. Numeric Label
159 1 ABSENT
5 2 PRESENT

F19ANGIL ----- LEFT ANGIOID STREAKS

type: numeric (float)
label: F19ANGIL

range: [1,2] units: 1
unique values: 2 coded missing: 7 / 170

tabulation: Freq. Numeric Label
158 1 ABSENT
5 2 PRESENT

F19HOLER ----- RIGHT RETINAL TEAR

type: numeric (float)
label: F19HOLER

range: [1,2] units: 1
unique values: 2 coded missing: 6 / 170

tabulation: Freq. Numeric Label
154 1 ABSENT
10 2 PRESENT

F19HOLEL ----- LEFT RETINAL TEAR

type: numeric (float)
label: F19HOLEL

range: [1,2] units: 1
unique values: 2 coded missing: 7 / 170

tabulation: Freq. Numeric Label
158 1 ABSENT
5 2 PRESENT

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F19CHORR ----- RIGHT CHOROID

type: numeric (float)
label: F19CHORR

range: [1,2] units: 1
unique values: 2 coded missing: 7 / 170

tabulation:	Freq.	Numeric	Label
	162	1	NORMAL
	1	2	ISCHEMIC

F19CHORL ----- LEFT CHOROID

type: numeric (float)
label: F19CHORL

range: [1,2] units: 1
unique values: 2 coded missing: 7 / 170

tabulation:	Freq.	Numeric	Label
	162	1	NORMAL
	1	2	ISCHEMIC

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F19OPTR2 ----- RIGHT OPTIC DISK-NEOVASCULARIZATION

type: numeric (float)
label: F19OPTR2

range: [1,2] units: 1
unique values: 2 coded missing: 7 / 170

tabulation: Freq. Numeric Label
161 1 ABSENT
2 2 PRESENT

F19OPTL1 ----- LEFT OPTIC DISK-COMMA SIGN

type: numeric (float)
label: F19OPTL1

range: [1,2] units: 1
unique values: 2 coded missing: 6 / 170

tabulation: Freq. Numeric Label
150 1 ABSENT
14 2 PRESENT

F19OPTL2 ----- LEFT OPTIC DISK-NEOVASCULARIZATION

type: numeric (float)
label: F19OPTL2

range: [1,2] units: 1
unique values: 2 coded missing: 7 / 170

tabulation: Freq. Numeric Label
161 1 ABSENT
2 2 PRESENT

F19CENTR ----- RIGHT CENTRAL ARTERY OCCLUSION

type: numeric (float)
label: F19CENTR

range: [1,3] units: 1
unique values: 3 coded missing: 5 / 170

tabulation: Freq. Numeric Label
162 1 ABSENT
2 2 PRESENT
1 3 NOT EXAMINED

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F19CENTL ----- LEFT CENTRAL ARTERY OCCLUSION

type: numeric (float)
label: F19CENTL

range: [1,1] units: 1
unique values: 1 coded missing: 5 / 170

tabulation:	Freq.	Numeric	Label
	165	1	ABSENT

F19VEINR ----- RIGHT CENTRAL VEIN OCCLUSION

type: numeric (float)
label: F19VEINR

range: [1,3] units: 1
unique values: 2 coded missing: 6 / 170

tabulation:	Freq.	Numeric	Label
	163	1	ABSENT
	1	3	NOT EXAMINED

F19VEINL ----- LEFT CENTRAL VEIN OCCLUSION

type: numeric (float)
label: F19VEINL

range: [1,1] units: 1
unique values: 1 coded missing: 6 / 170

tabulation:	Freq.	Numeric	Label
	164	1	ABSENT

F19PACR ----- PERIPHERAL ARTERIAL OCCLUSION RIGHT

type: numeric (float)
label: F19PACR

range: [1,3] units: 1
unique values: 3 coded missing: 4 / 170

tabulation:	Freq.	Numeric	Label
	62	1	ABSENT
	78	2	PRESENT
	26	3	NOT DETERMINED

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F19PACL ----- PERIPHERAL ARTERIAL OCCLUSION LEFT

type: numeric (float)
label: F19PACL

range: [1,3] units: 1
unique values: 3 coded missing: 96 / 170

tabulation:	Freq.	Numeric	Label
	26	1	ABSENT
	42	2	PRESENT
	6	3	NOT DETERMINED

F19PAVAR ----- PERIPHERAL ARTERIOLAR-VENULAR ANASTOMSES RIGHT

type: numeric (float)
label: F19PAVAR

range: [1,3] units: 1
unique values: 3 coded missing: 97 / 170

tabulation:	Freq.	Numeric	Label
	42	1	ABSENT
	27	2	PRESENT
	4	3	NOT DETERMINED

F19PAVAL ----- PERIPHERAL ARTERIOLAR-VENULAR ANASTOMSES LEFT

type: numeric (float)
label: F19PAVAL

range: [1,3] units: 1
unique values: 3 coded missing: 96 / 170

tabulation:	Freq.	Numeric	Label
	41	1	ABSENT
	28	2	PRESENT
	5	3	NOT DETERMINED

F19NFPR ----- NEOVASCULAR FIBROUS PROLIFERATION RIGHT

type: numeric (float)
label: F19NFPR

range: [1,3] units: 1
unique values: 3 coded missing: 97 / 170

tabulation:	Freq.	Numeric	Label
	53	1	ABSENT
	17	2	PRESENT
	3	3	NOT DETERMINED

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F19NFPL ----- NEOVASCULAR FIBROUS PROLIFERATION LEFT

type: numeric (float)
label: F19NFPL

range: [1,3] units: 1
unique values: 3 coded missing: 2 / 170

tabulation:	Freq.	Numeric	Label
	121	1	ABSENT
	42	2	PRESENT
	5	3	NOT DETERMINED

F19VHR ----- VITREOUS HEMORRHAGE RIGHT

type: numeric (float)
label: F19VHR

range: [1,3] units: 1
unique values: 3 coded missing: 6 / 170

tabulation:	Freq.	Numeric	Label
	154	1	ABSENT
	8	2	PRESENT
	2	3	NOT DETERMINED

F19VHL ----- VITREOUS HEMORRHAGE LEFT

type: numeric (float)
label: F19VHL

range: [1,3] units: 1
unique values: 3 coded missing: 5 / 170

tabulation:	Freq.	Numeric	Label
	152	1	ABSENT
	10	2	PRESENT
	3	3	NOT DETERMINED

F19RDR ----- RETINAL DETACHMENT RIGHT

type: numeric (float)
label: F19RDR

range: [1,3] units: 1
unique values: 3 coded missing: 6 / 170

tabulation:	Freq.	Numeric	Label
	160	1	ABSENT
	3	2	PRESENT
	1	3	NOT DETERMINED

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F19RDL ----- RETINAL DETACHMENT LEFT

type: numeric (float)
label: F19RDL

range: [1,3] units: 1
unique values: 3 coded missing: 4 / 170

tabulation:	Freq.	Numeric	Label
	159	1	ABSENT
	5	2	PRESENT
	2	3	NOT DETERMINED

F190DIAG ----- DIAGNOSIS BY RETINAL OPHTHALMOSCOPY

type: numeric (float)
label: F190DIAG

range: [1,2] units: 1
unique values: 2 coded missing: 5 / 170

tabulation:	Freq.	Numeric	Label
	42	1	NO SICKLE RETINOPATHY
	123	2	SICKLE RETINOPATHY PRESENT

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CSSCD FULL COHORT PATIENTS

F19RA ----- RETINAL ANGIOGRAPHY

type: numeric (float)
 label: F19RA

range: [1,2] units: 1
 unique values: 2 coded missing: 1 / 170

tabulation:	Freq.	Numeric	Label
	158	1	DONE
	11	2	NOT DONE

F19RTORR ----- RET ANG RIGHT VESSEL TORTUOSITY

type: numeric (float)
 label: F19RTORR

range: [1,3] units: 1
 unique values: 3 coded missing: 22 / 170

tabulation:	Freq.	Numeric	Label
	135	1	ABSENT
	2	2	LOCAL
	11	3	GENERALIZED

F19RTORL ----- RET ANG LEFT VESSEL TORTUOSITY

type: numeric (float)
 label: F19RTORL

range: [1,3] units: 1
 unique values: 3 coded missing: 21 / 170

tabulation:	Freq.	Numeric	Label
	139	1	ABSENT
	1	2	LOCAL
	9	3	GENERALIZED

F19RRHMR ----- RET ANG RIGHT RETINAL HEMORRHAGE

type: numeric (float)
 label: F19RRHMR

range: [1,2] units: 1
 unique values: 2 coded missing: 20 / 170

tabulation:	Freq.	Numeric	Label
	146	1	ABSENT
	4	2	PRESENT

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CSSCD FULL COHORT PATIENTS

F19RRHML ----- RET ANG LEFT RETINAL HEMORRHAGE

type: numeric (float)
label: F19RRHML

range: [1,2] units: 1
unique values: 2 coded missing: 19 / 170

tabulation:	Freq.	Numeric	Label
	149	1	ABSENT
	2	2	PRESENT

F19RSCHR ----- RET ANG RIGHT SCHISIS CAVITIES

type: numeric (float)
label: F19RSCHR

range: [1,2] units: 1
unique values: 2 coded missing: 19 / 170

tabulation:	Freq.	Numeric	Label
	145	1	ABSENT
	6	2	1-4

F19RSCHL ----- RET ANG LEFT SCHISIS CAVITIES

type: numeric (float)
label: F19RSCHL

range: [1,2] units: 1
unique values: 2 coded missing: 18 / 170

tabulation:	Freq.	Numeric	Label
	141	1	ABSENT
	11	2	1-4

F19RSUNR ----- RET ANG RIGHT SUNBURSTS

type: numeric (float)
label: F19RSUNR

range: [0,9] units: 1
unique values: 7 coded missing: 22 / 170

tabulation:	Freq.	Numeric	Label
	103	0	ABSENT
	24	1	
	13	2	
	5	3	
	1	4	
	1	8	
	1	9	

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CSSCD FULL COHORT PATIENTS

F19RSUNL ----- RET ANG LEFT SUNBURSTS

type: numeric (float)
label: F19RSUNL

range: [0,10] units: 1
unique values: 9 coded missing: 21 / 170

tabulation:	Freq.	Numeric	Label
	100	0	ABSENT
	30	1	
	8	2	
	5	3	
	1	4	
	1	5	
	2	8	
	1	9	
	1	10	

F19RANGR ----- RET ANG RIGHT ANGIOID STREAKS

type: numeric (float)
label: F19RANGR

range: [1,2] units: 1
unique values: 2 coded missing: 18 / 170

tabulation:	Freq.	Numeric	Label
	147	1	ABSENT
	5	2	PRESENT

F19RANGL ----- RET ANG LEFT ANGIOID STREAKS

type: numeric (float)
label: F19RANGL

range: [1,2] units: 1
unique values: 2 coded missing: 17 / 170

tabulation:	Freq.	Numeric	Label
	150	1	ABSENT
	3	2	PRESENT

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CSSCD FULL COHORT PATIENTS

F19RMACR ----- RET ANG RIGHT MACULA

type: numeric (float)
label: F19RMACR

range: [1,128] units: 1
unique values: 8 coded missing: 19 / 170

tabulation:	Freq.	Numeric	Label
	2	1	PIGMENT CHANGE
	3	2	VASCULAR OCCLUSION
	1	4	DEPRESSIONS
	1	6	
	0	8	MACULAR TRACTION
	0	16	HEMORRHAGE
	1	32	MACULAR HOLE OR CYST
	1	64	PERIFOCAL CAPILLARY DROPOUT
	1	65	
	141	128	NORMAL

F19RMACR:

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

F19RMACL ----- RET ANG LEFT MACULA

type: numeric (float)
label: F19RMACL

range: [1,128] units: 1
unique values: 9 coded missing: 17 / 170

tabulation:	Freq.	Numeric	Label
	2	1	PIGMENT CHANGE
	2	2	VASCULAR OCCLUSION
	2	4	DEPRESSIONS
	1	6	
	1	8	MACULAR TRACTION
	0	16	HEMORRHAGE
	0	32	MACULAR HOLE OR CYST
	1	64	PERIFOCAL CAPILLARY DROPOUT
	1	66	
	1	68	
	141	128	NORMAL

F19RMACL:

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

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CSSCD FULL COHORT PATIENTS

F19ROPR1 ----- RET ANG RIGHT OPTIC DISK-COMMA SIGN

type: numeric (float)
label: F19ROPR1

range: [1,2] units: 1
unique values: 2 coded missing: 18 / 170

tabulation:	Freq.	Numeric	Label
	149	1	ABSENT
	3	2	PRESENT

F19ROPR2 ----- RET ANG RIGHT OPTIC DISK

type: numeric (float)
label: F19ROPR2

range: [1,1] units: 1
unique values: 1 coded missing: 19 / 170

tabulation:	Freq.	Numeric	Label
	151	1	ABSENT

F19ROPR2:

1. Neovascularization.

F19ROPL1 ----- RET ANG LEFT OPTIC DISK-COMMA SIGN

type: numeric (float)
label: F19ROPL1

range: [1,2] units: 1
unique values: 2 coded missing: 16 / 170

tabulation:	Freq.	Numeric	Label
	151	1	ABSENT
	3	2	PRESENT

F19ROPL2 ----- RET ANG LEFT OPTIC DISK

type: numeric (float)
label: F19ROPL2

range: [1,1] units: 1
unique values: 1 coded missing: 18 / 170

tabulation:	Freq.	Numeric	Label
	152	1	ABSENT

F19ROPL2:

1. Neovascularization.

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CSSCD FULL COHORT PATIENTS

F19RCENR ----- RET ANG RIGHT CENTRAL ARTERY OCCLUSION

type: numeric (float)

label: F19RCENR

range: [1,1]

units: 1

unique values: 1

coded missing: 20 / 170

tabulation:	Freq.	Numeric	Label
	150	1	ABSENT

F19RCENL ----- RET ANG LEFT CENTRAL ARTERY OCCLUSION

type: numeric (float)

label: F19RCENL

range: [1,1]

units: 1

unique values: 1

coded missing: 21 / 170

tabulation:	Freq.	Numeric	Label
	149	1	ABSENT

F19RVENR ----- RET ANG RIGHT CENTRAL VEIN OCCLUSION

type: numeric (float)

label: F19RVENR

range: [1,1]

units: 1

unique values: 1

coded missing: 22 / 170

tabulation:	Freq.	Numeric	Label
	148	1	ABSENT

F19RVENL ----- RET ANG LEFT CENTRAL VEIN OCCLUSION

type: numeric (float)

label: F19RVENL

range: [1,2]

units: 1

unique values: 2

coded missing: 21 / 170

tabulation:	Freq.	Numeric	Label
	148	1	ABSENT
	1	2	PRESENT

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CSSCD FULL COHORT PATIENTS

F19RPACR ----- RET ANG PERIPHERAL ARTERIAL OCCLUSION RIGHT

type: numeric (float)
label: F19RPACR

range: [1,2] units: 1
unique values: 2 coded missing: 21 / 170

tabulation:	Freq.	Numeric	Label
	69	1	ABSENT
	80	2	PRESENT

F19RPACL ----- RET ANG PERIPHERAL ARTERIAL OCCLUSION LEFT

type: numeric (float)
label: F19RPACL

range: [1,2] units: 1
unique values: 2 coded missing: 21 / 170

tabulation:	Freq.	Numeric	Label
	69	1	ABSENT
	80	2	PRESENT

F19RPAVR ----- RET ANG PERIPHERAL ARTERIOLAR-VENULAR

type: numeric (float)
label: F19RPAVR

range: [1,2] units: 1
unique values: 2 coded missing: 23 / 170

tabulation:	Freq.	Numeric	Label
	88	1	ABSENT
	59	2	PRESENT

F19RPAVR:

1. Anastomoses right.

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CSSCD FULL COHORT PATIENTS

F19RPAVL ----- RET ANG PERIPHERAL ARTERIOLAR-VENULAR

type: numeric (float)
label: F19RPAVL

range: [1,2] units: 1
unique values: 2 coded missing: 20 / 170

tabulation:	Freq.	Numeric	Label
	82	1	ABSENT
	68	2	PRESENT

F19RPAVL:

1. Anastomoses left.

F19RNFPR ----- RET ANG NEOVASCULAR FIBROUS PROLIFERATION RIGHT

type: numeric (float)
label: F19RNFPR

range: [1,2] units: 1
unique values: 2 coded missing: 19 / 170

tabulation:	Freq.	Numeric	Label
	103	1	ABSENT
	48	2	PRESENT

F19RNFPL ----- RET ANG NEOVASCULAR FIBROUS PROLIFERATION LEFT

type: numeric (float)
label: F19RNFPL

range: [1,2] units: 1
unique values: 2 coded missing: 19 / 170

tabulation:	Freq.	Numeric	Label
	103	1	ABSENT
	48	2	PRESENT

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CSSCD FULL COHORT PATIENTS

F19RRDR ----- RET ANG RETINAL DETACHMENT RIGHT

type: numeric (float)
label: F19RRDR

range: [1,2] units: 1
unique values: 2 coded missing: 20 / 170

tabulation:	Freq.	Numeric	Label
	139	1	ABSENT
	11	2	PRESENT

F19RRDL ----- RET ANG RETINAL DETACHMENT LEFT

type: numeric (float)
label: F19RRDL

range: [1,2] units: 1
unique values: 2 coded missing: 20 / 170

tabulation:	Freq.	Numeric	Label
	138	1	ABSENT
	12	2	PRESENT

F19RAUTR ----- RET ANG AUTOINFARCTION RIGHT

type: numeric (float)
label: F19RAUTR

range: [1,2] units: 1
unique values: 2 coded missing: 22 / 170

tabulation:	Freq.	Numeric	Label
	126	1	ABSENT
	22	2	PRESENT

F19RAUTL ----- RET ANG AUTOINFARCTION LEFT

type: numeric (float)
label: F19RAUTL

range: [1,2] units: 1
unique values: 2 coded missing: 22 / 170

tabulation:	Freq.	Numeric	Label
	126	1	ABSENT
	22	2	PRESENT

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CSSCD FULL COHORT PATIENTS

F19FINAL ----- FINAL DIAGNOSIS

type: numeric (float)
label: F19FINAL

range: [1,2] units: 1
unique values: 2 coded missing: 12 / 170

tabulation: Freq. Numeric Label
35 1 NORMAL
123 2 ABNORMAL

F19FIN1 ----- FINAL DIAGNOSIS GLAUCOMA

type: numeric (float)
label: F19FIN1

range: [1,1] units: 1
unique values: 1 coded missing: 51 / 170

tabulation: Freq. Numeric Label
119 1 ABSENT

F19FIN1:
1. Required only if F19FINAL=2.

F19FIN2 ----- FINAL DIAGNOSIS CATARACT

type: numeric (float)
label: F19FIN2

range: [1,2] units: 1
unique values: 2 coded missing: 51 / 170

tabulation: Freq. Numeric Label
118 1 ABSENT
1 2 PRESENT

F19FIN2:
1. Required only if F19FINAL=2.

F19FIN3 ----- FINAL DIAGNOSIS UVEITIS

type: numeric (float)
label: F19FIN3

range: [1,3] units: 1
unique values: 2 coded missing: 51 / 170

tabulation: Freq. Numeric Label
118 1 ABSENT
1 3 SUSPECT

F19FIN3:
1. Required only if F19FINAL=2.

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CSSCD FULL COHORT PATIENTS

F19FIN4 ----- FINAL DIAGNOSIS OTHER

type: numeric (float)
label: F19FIN4

range: [1,2] units: 1
unique values: 2 coded missing: 50 / 170

tabulation: Freq. Numeric Label
 111 1 ABSENT
 9 2 PRESENT

F19FIN4:
1. Required only if F19FINAL=2.

F19FIN5R ----- FINAL DIAGNOSIS IRIS ABNORMALITIES RIGHT

type: numeric (float)
label: F19FIN5R

range: [1,3] units: 1
unique values: 3 coded missing: 52 / 170

tabulation: Freq. Numeric Label
 107 1 ABSENT
 10 2 PRESENT
 1 3 SUSPECT

F19FIN5R:
1. Required only if F19FINAL=2.

F19FIN5L ----- FINAL DIAGNOSIS IRIS ABNORMALITIES LEFT

type: numeric (float)
label: F19FIN5L

range: [1,3] units: 1
unique values: 3 coded missing: 53 / 170

tabulation: Freq. Numeric Label
 107 1 ABSENT
 9 2 PRESENT
 1 3 SUSPECT

F19FIN5L:
1. Required only if F19FINAL=2.

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CSSCD FULL COHORT PATIENTS

F19FIN6R ----- FINAL DIAGNOSIS STAGE I-II RIGHT

type: numeric (float)
label: F19FIN6R

range: [1,3] units: 1
unique values: 3 coded missing: 46 / 170

tabulation:	Freq.	Numeric	Label
	28	1	ABSENT
	93	2	PRESENT
	3	3	SUSPECT

F19FIN6R:

1. Required only if F19FINAL=2.

F19FIN6L ----- FINAL DIAGNOSIS STAGE I-II LEFT

type: numeric (float)
label: F19FIN6L

range: [1,3] units: 1
unique values: 3 coded missing: 45 / 170

tabulation:	Freq.	Numeric	Label
	26	1	ABSENT
	96	2	PRESENT
	3	3	SUSPECT

F19FIN6L:

1. Required only if F19FINAL=2.

F19FIN7R ----- FINAL DIAGNOSIS STAGE III RIGHT

type: numeric (float)
label: F19FIN7R

range: [1,2] units: 1
unique values: 2 coded missing: 51 / 170

tabulation:	Freq.	Numeric	Label
	74	1	ABSENT
	45	2	PRESENT

F19FIN7R:

1. Required only if F19FINAL=2.

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CSSCD FULL COHORT PATIENTS

F19FIN7L ----- FINAL DIAGNOSIS STAGE III LEFT

type: numeric (float)
label: F19FIN7L

range: [1,3] units: 1
unique values: 3 coded missing: 53 / 170

tabulation:	Freq.	Numeric	Label
	72	1	ABSENT
	43	2	PRESENT
	2	3	SUSPECT

F19FIN7L:

1. Required only if F19FINAL=2.

F19FIN8R ----- FINAL DIAGNOSIS STAGE IV RIGHT

type: numeric (float)
label: F19FIN8R

range: [1,3] units: 1
unique values: 3 coded missing: 59 / 170

tabulation:	Freq.	Numeric	Label
	104	1	ABSENT
	5	2	PRESENT
	2	3	SUSPECT

F19FIN8R:

1. Required only if F19FINAL=2.

F19FIN8L ----- FINAL DIAGNOSIS STAGE IV LEFT

type: numeric (float)
label: F19FIN8L

range: [1,3] units: 1
unique values: 3 coded missing: 59 / 170

tabulation:	Freq.	Numeric	Label
	103	1	ABSENT
	7	2	PRESENT
	1	3	SUSPECT

F19FIN8L:

1. Required only if F19FINAL=2.

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CSSCD FULL COHORT PATIENTS

F19FIN9R ----- FINAL DIAGNOSIS STAGE V RIGHT

type: numeric (float)
label: F19FIN9R

range: [1,2] units: 1
unique values: 2 coded missing: 60 / 170

tabulation:	Freq.	Numeric	Label
	106	1	ABSENT
	4	2	PRESENT

F19FIN9R:

1. Required only if F19FINAL=2.

F19FIN9L ----- FINAL DIAGNOSIS STAGE V LEFT

type: numeric (float)
label: F19FIN9L

range: [1,2] units: 1
unique values: 2 coded missing: 56 / 170

tabulation:	Freq.	Numeric	Label
	107	1	ABSENT
	7	2	PRESENT

F19FIN9L:

1. Required only if F19FINAL=2.

F19FN10R ----- FINAL DIAGNOSIS MACULAR RIGHT

type: numeric (float)
label: F19FN10R

range: [1,2] units: 1
unique values: 2 coded missing: 61 / 170

tabulation:	Freq.	Numeric	Label
	104	1	ABSENT
	5	2	PRESENT

F19FN10R:

1. Required only if F19FINAL=2.

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CSSCD FULL COHORT PATIENTS

F19FN10L ----- FINAL DIAGNOSIS MACULAR LEFT

type: numeric (float)
label: F19FN10L

range: [1,2] units: 1
unique values: 2 coded missing: 58 / 170

tabulation:	Freq.	Numeric	Label
	106	1	ABSENT
	6	2	PRESENT

F19FN10L:

1. Required only if F19FINAL=2.

F19FN11R ----- FINAL DIAGNOSIS 2-LINE LOSS RIGHT

type: numeric (float)
label: F19FN11R

range: [1,2] units: 1
unique values: 2 coded missing: 60 / 170

tabulation:	Freq.	Numeric	Label
	109	1	ABSENT
	1	2	PRESENT

F19FN11R:

1. Required only if F19FINAL=2.

F19FN11L ----- FINAL DIAGNOSIS 2-LINE LOSS LEFT

type: numeric (float)
label: F19FN11L

range: [1,2] units: 1
unique values: 2 coded missing: 56 / 170

tabulation:	Freq.	Numeric	Label
	112	1	ABSENT
	2	2	PRESENT

F19FN11L:

1. Required only if F19FINAL=2.

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CSSCD FULL COHORT PATIENTS

F19FN12R ----- FINAL DIAGNOSIS AUTO INFARC. RIGHT

type: numeric (float)
label: F19FN12R

range: [1,2] units: 1
unique values: 2 coded missing: 60 / 170

tabulation:	Freq.	Numeric	Label
	92	1	ABSENT
	18	2	PRESENT

F19FN12R:

1. Required only if F19FINAL=2.

F19FN12L ----- FINAL DIAGNOSIS AUTO INFARC. LEFT

type: numeric (float)
label: F19FN12L

range: [1,2] units: 1
unique values: 2 coded missing: 58 / 170

tabulation:	Freq.	Numeric	Label
	94	1	ABSENT
	18	2	PRESENT

F19FN12L:

1. Required only if F19FINAL=2.

6.7.1: Ocular Exam Form – Form 18

F19ANGIO ----- STATUS OF ANGIOGRAPHY

type: numeric (float)
label: F19ANGIO

range: [1,3] units: 1
unique values: 3 coded missing: 2 / 170

tabulation:	Freq.	Numeric	Label
	150	1	ADEQUATE QUALITY
	8	2	INADEQUATE QUALITY
	10	3	NOT DONE

F19PHOTO ----- STATUS OF COLOR PHOTOS

type: numeric (float)
label: F19PHOTO

range: [1,3] units: 1
unique values: 3 coded missing: 2 / 170

tabulation:	Freq.	Numeric	Label
	144	1	ADEQUATE QUALITY
	7	2	INADEQUATE QUALITY
	17	3	NOT DONE

F19DRAW ----- STATUS OF OCULAR DRAWINGS

type: numeric (float)
label: F19DRAW

range: [1,3] units: 1
unique values: 3 coded missing: 2 / 170

tabulation:	Freq.	Numeric	Label
	153	1	ADEQUATE QUALITY
	3	2	INADEQUATE QUALITY
	12	3	NOT DONE

F19CNFRM ----- CONFIRMATION OF ANGIOGRAPHIC DIAGNOSIS

type: numeric (float)
label: F19CNFRM

range: [1,3] units: 1
unique values: 3 coded missing: 2 / 170

tabulation:	Freq.	Numeric	Label
	143	1	CONFIRMED DIAGNOSIS
	19	2	NOT CONFIRMABLE
	6	3	DISCONFIRMED, INCORRECT DIAGNOSIS

_dta:

1. Created 11/01/99.

6.7.1: Ocular Exam Form – Form 18

S. List of variables deleted **F18INIT F18NDATE F18LASTU F18LASTE F18ESTAT F18VDATE F18DATE F18DFC F18FCB F18PEB**

T. List of variables modified **NONE**

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

V. Old name

W. New name

X. List of variables modified date to days since DOE

Y. Old name **F18DATE**

Z. New name **JF18DATE**

AA. Collection Information:

Form 18 (Ocular Exam Form) was to be completed for patients 5 years of age and older. An Ocular Complications Form (Form 66) was to be completed every six months for patients with Stage III or more severe sickle cell retinopathy (see Section 8.4). Colored photos/slides, drawings, and fluorescein angiograms for these patients were forwarded to the SCC for verification of the diagnosis by Dr. Maurice Raab at the University of Illinois.

BB. Data Collection Period: 03/79-10/83

CC. Form Version Dates: 03/01/79, 10/10/80

DD. Files Used to Store Information:

SAS System Files: **R18.SD2**

Format Files: **R18.FMT**

EE. Unique Record Identifiers: **ANONID, F18CYCLE**

Records within the dataset are sorted by **ANONID** and **F18CYCLE**

FF. Number of Observations (Patients) in SAS Dataset: 1904 (1902)

GG. Contents of SAS Dataset:

- Alphabetical Listing of Variables: See pp. 1-3
- Listing of Variables by Position: See pp. 4-5

HH. Notes About Selected Variables: None

II. Computed Variables: None

6.7.1: Ocular Exam Form – Form 18

JJ. Inter-Relationship With Other Datasets:

Ocular exam data were also collected on

Phase 1 Forms	SAS Dataset	See Section
Form 18E	R19.SD2	6.7.2
Form 66	R66.SD2	8.4