COOPERATIVE STUDY OF SICKLE CELL DISEASE **NE**

NEUROLOGICAL EVALUATION FORM

ANONID

For the Limited Access Dataset, the following indications are used to indicate modifications of variables from the form **NEID2**

~~Deleted variable~~	Modified variable	

---

1. Person Performing Neurological Exam (Name): _____ **NEFC** _____ (Initials): | | | |

1.A. Position of person performing neurological exam: **NEPOS**

- ☐ 1. Pediatric Neurologist
- ☐ 2. Pediatric Hematologist
- ☐ 3. PA or Nurse Practitioner
- ☐ 4. Other → 1.B.Specify:_____ **NEOTHPOS**

2. CSSCD code number of person completing form (if known): **NECODE** | | | |

3. Date Neurological Exam Performed (Month/Day/Year): _____/_____/_____

EVALUATION

4. POSNER STAGING

Level of Consciousness: **NEPOSNR**

- ☐ 0. Awake and alert
- ☐ 1. Lethargic
- ☐ 2. Confused
- ☐ 3. Stuporous
- ☐ 4. Comatose
- ☐ 5. Unresponsive

5. LANGUAGE FUNCTION

Describe the patient's language function: **NELNFCA**

- ☐ 1. No deficits noted
- ☐ 2. Normal conversation possible but definite errors in comprehension or expression
- ☐ 3. Normal conversation difficult to maintain because of frequent errors
- ☐ 4. Some verbal communication possible
- ☐ 5. No verbal communication possible

NEVERS

6. DOMINANCE
Which side is dominant:

EYE	☐	1. Left	☐	2. Right	☐	3. Ambidextrous	☐	4. Undetermined **NEDOMEYE**
HAND	☐	1. Left	☐	2. Right	☐	3. Ambidextrous	☐	4. Undetermined **NEDOMHND**
FOOT	☐	1. Left	☐	2. Right	☐	3. Ambidextrous	☐	4. Undetermined **NEDOMFT**

7. CRANIAL NERVES

	7.1 RIGHT	7.2 LEFT	
A.1. Visual acuity **(without corrective lenses)**	**NEVAR** __ __ /__ __ __ __	__ __ /__ __ __ __	**NEVAL**
A.2. Visual acuity **(with corrective lenses)**	**NEVACR** __ __ /__ __ __ __	__ __ /__ __ __ __ **NEVACL**	☐ N/A does not wear corrective lenses

FILL IN THE BOXES FOR 7.1 AND 7.2 B - G USING THE CODES TO THE RIGHT

CODES
1 = NORMAL
2 = ABNORMAL
3 = NOT TESTED

	7.1 RIGHT		7.2 LEFT	
B. Pupillary reflexes	**NEPUPRR**	☐	☐	**NEPUPRL**
C. Extraocular movements (exclude nystagmus)	**NEEXMVR**	☐	☐	**NEEXMVL**
D. Facial sensation	**NEFACSR**	☐	☐	**NEFACSL**
E. Facial power	**NEFACPR**	☐	☐	**NEFACPL**
F. Palatal reflex	**NEPALRR**	☐	☐	**NEPALRL**
G. Tongue movements	**NETONGMR**	☐	☐	**NETONGML**

FILL IN THE BOXES FOR 7.1 AND 7.2 H - J USING THE CODES TO THE RIGHT:

	7.1 RIGHT		7.2 LEFT	
H. Nystagmus on gaze toward	**NENYGTR**	☐	☐	**NENYGTL**
I. Nystagmus on vertical gaze	**NENYVGR**	☐	☐	**NENYVGL**
J. Horner's syndrome	**NEHRNSR**	☐	☐	**NEHRNSL**

CODES
1. PRESENT
2. ABSENT
3. NOT TESTED

8. MOTOR

			1. NORMAL	2. INCREASED	3. DECREASED	4. NOT TESTED	
8.A. MUSCLE TONE							
	8.A.1 Right	A. Upper	☐	☐	☐	☐	**NEMSTRU**
		B. Lower	☐	☐	☐	☐	**NEMSTRL**
	8.A.2 Left	A. Upper	☐	☐	☐	☐	**NEMSTLU**
		B. Lower	☐	☐	☐	☐	**NEMSTLL**

8. MOTOR

If 8.B.1 or 8.B.2 a - b ARE ABNORMAL THEN FILL IN THE APPROPRIATE LOCATION CODE USING THE CODES TO THE RIGHT

8.B. MOTOR POWER

			1. NORMAL	2. ABNORMAL →	LOCATION CODE
NEMOPRU	8.B.1 Right	a.1 Upper	☐	NEMOPRUA ☐ → 8.B.1.a.2	☐
NEMOPRL		b.1 Lower	☐	NEMOPRLA ☐ → 8.B.1.b.2	☐
NEMOPLU	8.B.2 Left	a.1 Upper	☐	NEMOPLUA ☐ → 8.B.2.a.2	☐
NEMOPLL		b.1 Lower	☐	NEMOPLLA ☐ → 8.B.2.b.2	☐

CODES
1. PROXIMAL
2. DISTAL
3. BOTH

NEDRIFT 8.B.3 Does patient demonstrate drift? ☐ 1. NO ☐ 2. YES →

NEDRIFTL

8.B.3.1. LOCATION OF DRIFT

- ☐ 1. RIGHT ARM
- ☐ 2. LEFT ARM
- ☐ 3. BOTH ARMS

8.C. INVOLUNTARY MOVEMENT

		8.C.1 RIGHT 1. NO	8.C.1 RIGHT 2. YES	8.C.2 LEFT 1. NO	8.C.2 LEFT 2. YES	
a. Upper	NEINVRU	☐	☐	☐	☐	NEINVLU
b. Lower	NEINVRL	☐	☐	☐	☐	NEINVLL

8.D. ROMBERG ☐ 1. POSITIVE ☐ 2. NEGATIVE ☐ 3. NOT TESTED NERMBRG

8.E. GAIT AND COORDINATION

Describe the patient's coordination and gait:

NEGAIT

1. Normal
2. Unable to walk
3. Broad based
4. Limp →
5. Ataxic
6. Not tested

8.E.1 ☐ 1. RIGHT ☐ 2. LEFT NELIMP

9. CEREBELLAR FUNCTION

		9.1 RIGHT 1. NORMAL	9.1 RIGHT 2. ABNORMAL	9.2 LEFT 1. NORMAL	9.2 LEFT 2. ABNORMAL	
A. Upper finger - nose	NECRBFNR	☐	☐	☐	☐	NECRBFNL
B. Lower heel - shin	NECRBHSR	☐	☐	☐	☐	NECRBHSL
C. Rapid alternating movements	NECRBRMR	☐	☐	☐	☐	NECRBRML

10. REFLEXES

FILL IN THE REFLEX CODE AND CLONUS CODE BOXES FOR 10.A.1 AND 10.A.2 USING THE FOLLOWING CODES:

REFLEX CODES	CLONUS CODES
1. NORMAL 2. HYPERACTIVE 3. ABSENT/HYPOACTIVE 4. NOT TESTED	1. NO 2. YES, ≤3 BEATS 3. YES, >3 BEATS 4. NOT TESTED

		1. REFLEX CODE		2. CLONUS CODE	
10.A.1 RIGHT					
a. Biceps		**NEBICR**		**NEBICRC**	
b. Triceps		**NETRICR**		**NETRICRC**	
c. Ulnar		**NEULNR**		**NEULNRC**	
d. Radial		**NERADR**		**NERADRC**	
e. Knee		**NEKNEER**		**NEKNEERC**	
f. Ankle		**NEANKLR**		**NEANKLRC**	
10.A.2 LEFT					
a. Biceps		**NEBICL**		**NEBICLC**	
b. Triceps		**NETRICL**		**NETRICLC**	
c. Ulnar		**NEULNL**		**NEULNLC**	
d. Radial		**NERADL**		**NERADLC**	
e. Knee		**NEKNEEL**		**NEKNEELC**	
f. Ankle		**NEANKLL**		**NEANKLLC**	

PLANTAR REFLEXES

10.B.1	Right		1. NORMAL		2. ABNORMAL		3. NOT TESTED **NEPLNRR**
10.B.2	Left		1. NORMAL		2. ABNORMAL		3. NOT TESTED **NEPLNRL**

11. TACTILE SENSATION

BODY PART	1. NORMAL	2. ABNORMAL	3. NOT TESTED	
11.A. Left arm/hand				**NEARMLTA**
11.B. Right arm/hand				**NEARMRTA**
11.C. Left leg/foot				**NELEGLTA**
11.D. Right leg/foot				**NELEGRTA**
11.E. Left trunk				**NETRKLTA**
11.F. Right trunk				**NETRKRTA**

A. Collection Information:

Form INT (**Interim Status Report**) was used to collect information about the patient's current life status, study participation status, referrals for special evaluations, completion of routine and special study visit requirements. The form was completed every 6 months following entry into Phase 2 and at entry and at 6-month intervals following entry into Phase 3. For patients who participated in Phase 2 but did not enroll in Phase 3, an Interim Status Report was to be completed within two months following the date the patient was due to enter the Phase 3 study.

B. Data Collection Period: 03/90-09-98

Twenty-two forms were completed between 10/01/98 and 03/23/99.

C. Form Versions: B (03/06/90) – Phase 2
C (09/25/90) – Phase 2
E (10/01/91) – Phase 2
F (07/01/93) – Phase 2
H (06/23/94) – Phase 3

D. Files Used to Store Information:

SAS System File: **INT_PUBN.SD2**

Format File: **INTN.FMT**

E. Unique Record Identifiers: **ANONID**, **INTID2**

Records within the dataset are sorted by **ANONID** and **INTID2**.

F. Number of Observations (Patients) in SAS Dataset: 4773 (467)

G. Contents of SAS Dataset:

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

H. Notes About Selected Variables: None

I. Computed Variables: None

J. Inter-Relationship With Other Datasets:

- Completion status variables for routine visit and special studies are stored in the **ROST2N3.SD2** SAS dataset (see Section 1.0)
- Data for completed routine visits were collected on

Form Abbreviation	SAS Dataset	See Section
HXP	**HXP_PUBN.SD2**	1.1
PEP	**PEP_PUBN.SD2**	1.2
NE	**NE_PUBN.SD2**	1.3
LAB	**LAB_PUBN.SD2**	1.4

- Data for completed special studies were collected on

Form Abbreviation	SAS Dataset	See Section
MRI	**MRI_PUBN.SD2**	2.1
MRA	**MRA_PUBN.SD2**	2.2
NPC	**NPC_PUBN.SD2**	2.3
LISR	**LISRPUBN.SD2**	2.10
PFTP	**PFTPPUBN.SD2**	2.12

- Cause of death information was collected on

Form Abbreviation	**SAS Dataset**	**See Section**
DEATH	**DTH_PUBN.SD2**	3.5

DATA MODIFICATIONS FOR LIMITED ACCESS DATA DISTRIBUTION

A. The following variable has been deleted for privacy protection.

NELNFCST

B. The following variable has been calculated.

NEGAIT

C. The calculation for the above variable.

IF NEGAIT GE 1 AND NEGAIT LE 12 THEN NEGAIT = 12;

D. Calculated variable with distribution:

The SAS System 17:03 Wednesday, June 25, 2003 1

The FREQ Procedure

8E DESCRIBE PTS COORDINATION & GAIT

NEGAIT	Frequency	Percent	Cumulative Frequency	Cumulative Percent
12	90	4.87	90	4.87
16	6	0.32	96	5.19
32	1753	94.81	1849	100.00

Frequency Missing = 16

QUESTION-BY-QUESTION SPECIFICATIONS FOR THE NEUROLOGICAL EVALUATION FORM

Question 1. Person performing neurological exam: The doctor or nurse performing the evaluation should enter her/his name on the line and initials in the three boxes to the right of the line.

Question 1.A. Position of person performing the neurological exam: A check mark should be placed in one of the four boxes specifying the job position of the person performing the neurological evaluation. If the box for "Other" is checked and the person performing the exam is not a Pediatric Neurologist, Pediatric Hematologist, Physician's Assistant or Nurse Practitioner, please write the position of the person performing the neurological exam on the line to the right of "Specify" (Q. I .B).

Question 2. CSSCD code number of person completing form: The code number of the doctor or nurse completing the form/performing the evaluation is to be assigned by the Data Coordinator at each clinic.

Question 3. Date neurological exam performed: The date the neurological exam was performed should be entered in the MM/DDIYY date format (e.g., October 24, 1994, would be entered 10/24/94).

Question 4. POSNER STAGING - Level of Consciousness: Assess the patient's level of consciousness according to the criteria listed below and place a check mark in the appropriate box to the left of the level of consciousness ratings (0 - 5).

Levels of consciousness:

0. Awake & Alert: Patient clearly appreciates the environment and responds quickly and appropriately to visual, auditory, and other sensory stimuli.

1. Lethargic: Patient does not fully appreciate the environment and responds to stimuli appropriately but with delay and slowness. May be roused by verbal stimuli but may ignore some of them. Patient is capable of verbal response unless aphasia, aphonia, or anarthria is present.

2. Confused: Patient displays mental slowness, inattentiveness, dulled perception of the environment, and incoherence in thinking.

3. Stuporous: Patient is aroused by intense stimuli only. Loud noise may elicit a nonspecific

reaction. Motor response and reflex reactions are usually preserved unless the patient is paralyzed.

4. *Comatose:* Patient does not perceive the environment and intense stimuli produce a rudimentary response if any at all. The presence of reflex reactions depends on the location of the lesion(s) in the nervous system.

5. Unresponsive: Patient does not perceive the environment and intense stimuli produce no response. The presence of reflex reactions depends on the location of the lesion(s) in the nervous system.

Question 5. LANGUAGE FUNCTION - Describe the patient's language function: Assess the patient's level of language function and place a check mark in the appropriate box to the left of the language function rating (1 - 5) which best describes the patient's language function:

1. No deficits noted
2. Normal conversation possible but definite errors in comprehension, or expression
3. Normal conversation difficult to maintain because of frequent errors
4. Some verbal communication possible
5. No verbal communication possible.

Question 6. DOMINANCE - Which side is dominant: Assess and determine which side is dominant for the Eyes, Hands, and Feet, of the patient by using the criteria below. Place a check mark in the appropriate box (I. Left *or* 2. Right). If the patient is ambidextrous or dominance was not determined, place a check mark in the appropriate box (3. Ambidextrous *or* 4. Undetermined).

Assessing for dominance:

Eyes: Roll up a piece of paper into a paper telescope and ask the patient to look through it and note which eye was used.

Hands: Ask the patient to pick up a coin or a pencil and note which hand is used. *Feet.* Ask the patient to kick a ball and note which foot is used.

Question 7. ASSESSMENT OF CRANIAL NERVES

7.I.A.I. Right, 7.2.A.1. Left: Visual acuity without corrective lenses - The Snellen, Jaeger, or other standard screening test should be used to evaluate the patient's visual acuity. The

results of the screening should be recorded on the form as a fraction (e.g., 20/20, 20/200, etc.). This visual acuity assessment should be performed **WITHOUT** the use of corrective lenses.

7.I.A.2.Right, 7.2.A.2. Left: Visual acuity with corrective lenses - The Snellen, Jaeger, or other standard screening test should be used to evaluate the patient's visual acuity. The results of the screening should be recorded on the form as a fraction (e.g., 20/20, 20/200, etc.). This visual acuity assessment should be performed WITH corrective lenses. If the patient does not wear corrective lenses, place a check mark in the box "N/A, does not wear corrective lenses" to the right of the visual acuity field for this question.

7.I.B. Right, 7.2.B. Left: Pupillary reflexes - Have the patient fix on a distant object. Test direct or consensual response to light or accommodation to near objects. The results should be assessed as normal, abnormal, or not tested. Results are NORMAL if the pupils constrict. The results should be recorded in the boxes under the columns 7.1 RIGHT and 7.2 LEFT using the appropriate result codes (1=NORMAL, 2=ABNORMAL, 3=NOT TESTED) found in code box above columns 7.1 and 7.2.

7.1.C. Right, 7.2.C. Left: Extraocular movements (excluding nystagmus) - Test the range of extraocular movements through the six cardinal fields of gaze by asking the patient to follow your finger or pencil, held at a comfortable distance from him or her. These results should be assessed as normal, abnormal, or not tested. The results should be recorded in the boxes under the columns 7.1 RIGHT and 7.2 LEFT using the appropriate result codes (1=NORMAL, 2=ABNORMAL, 3=NOT TESTED) found in code box above columns 7.1 and 7.2. Findings are ABNORMAL if divergent or convergent strabismus, a squint, or diplopia are present.

7.I.D. Right, 7.2.D. Left: Facial sensation - With the patient's eyes closed, assess his or her sensitivity to light touch with a cotton-tipped applicator. Touch the forehead, cheeks, and chin with the applicator. The results should be recorded in the boxes under the columns 7.1 RIGHT and 7.2 LEFT using the appropriate result codes (I=NORMAL, 2=ABNORMAL, 3=NOT TESTED) found in code box above columns 7.1 and 7.2. Results are NORMAL if the touch is identified accurately and symmetrically.

7.I.E. Right, 7.2.E. Left: Facial power - Test the movement of the upper and lower facial muscles, comparing the two sides by asking the patient to smile, show teeth, wrinkle forehead, and close eyelids tightly. The results should be recorded in the boxes under the columns 7.1 RIGHT and 7.2 LEFT using the appropriate result codes (1=NORMAL, 2=ABNORMAL, 3=NOT

TESTED) found in code box above columns 7.1 and 7.2. Results are NORMAL if the movements are symmetrical.

7.1 .F. Right, 7.2.F. Left: Palatal reflex - Ask the patient to say "Ahhhhhh"; if the soft palate and the uvula elevate in the midline, the results are NORMAL. Test for the pharyngeal (gag) reflex by stimulating the back of the pharynx with a tongue blade and observing the ensuing contraction of the palatal muscles. If the patient gags and the palate elevates symmetrically, the results are NORMAL. Evaluate swallowing induced by the stimulation of the soft palate. Any deviation of the palate to the right or left, paralysis, or weakness is ABNORMAL. The results should be recorded in the boxes under the columns 7.1 RIGHT and 7.2 LEFT using the appropriate result codes (1=NORMAL, 2=ABNORMAL, 3=NOT TESTED) found in code box above columns 7.1 and 7.2.

7.l.G. Right, 7.2G. Left: Tongue movements - Ask the patient to protrude the tongue; if the tongue protrudes in the midline and moves well to either side, the results are NORMAL. The results should be recorded in the boxes under the columns 7.1 RIGHT and 7.2 LEFT using the appropriate result codes (INORMAL, 2=ABNORMAL, 3=NOT TESTED) found in code box above columns 7.1 and 7.2.

7.l.H. Right, 7.2.H. Left: Nystagmus on gaze toward - Test the range of extraocular movements through the six cardinal fields of gaze by asking the patient to follow your finger or pencil, held at a comfortable distance from him or her. Pause during upward and lateral gaze to detect nystagmus. The results should be recorded in the boxes under the columns 7.1 RIGHT and 7.2 LEFT using the appropriate result codes (1=PRESENT, 2=ABSENT, 3=NOT TESTED) found in code box to the right of columns 7.1 and 7.2. If constant, involuntary, cyclical movement of the eyeball occurs, the code for PRESENT should be recorded in the appropriate box under the columns 7.1 RIGHT and 7.2. LEFT.

7.1.1. Right, 7.2.1. Left: Nystagmus on vertical gaze - Test the range of extraocular movements through the six cardinal fields of gaze by asking the patient to follow your finger or pencil, held at a comfortable distance from him or her. Pause during upward and lateral gaze to detect nystagmus. The results should be recorded in the boxes under the columns 7.1 RIGHT and 7.2 LEFT using the appropriate result codes (I=PRESENT, 2=ABSENT, 3=NOT TESTED) found in code box to the right of columns 7.1 and 7.2. If constant, involuntary, cyclical movement of the eyeball occurs on vertical gaze, the code for PRESENT should be recorded in the appropriate box under the columns 7.1 RIGHT and 7.2 LEFT.

7.1.J. Right, 7.2.J. Left: Homer's syndrome - The results should be recorded in the boxes

under the columns 7.1 RIGHT and 7.2 LEFT using the appropriate result codes (1=PRESENT, 2=ABSENT, 3N0T TESTED) found in code box to the right of columns 7.1 and 7.2. Caused by a disturbance in the cervical sympathetic chain, the syndrome consists of unilateral miosis (abnormal contraction of the pupils), enophthalmos (recession of the eyeball into orbit), and blepharoptosis (drooping of the upper eyelid). If any of these findings are present, the code for PRESENT should be recorded in the appropriate box under the columns 7.1 RIGHT and 7.2 LEFT.

Question 8. MOTOR ASSESSMENT

8.A.1. (A & B) Right upper & lower, 8.A.2. (A & B) Left upper & lower extremity: MUSCLE TONE - Test whether resistance to passive movement is normal, increased, or decreased in the right upper and lower extremities and in the left upper and lower extremities. Place a check mark in the appropriate box (I. NORMAL, 2. INCREASED, 3. DECREASED, 4. NOT TESTED) for each extremity tested.

8.B.1. (a & b) Right upper & lower, 8.B.2. (a & b) Left upper & lower extremity: MOTOR POWER - Test whether motor power and movement are normal or abnormal in the right upper and lower extremities and in the left upper and lower extremities. Place a check mark in the appropriate box (1. NORMAL *or* 2. ABNORMAL) for each extremity tested. If there is an abnormal finding in any of the extremities, the location code box must also be filled in with the appropriate location code (1. Proximal, 2. Distal, or3. Both). The location codes are found in the box to the right of the location code response boxes.

8.B.3. Does the patient demonstrate drift?: Ask the patient to close his eyes and hold his arms straight in front of him, with palms up for 20 - 30 seconds. Watch how well the patient maintains this position. If a downward drift of the arm with flexion at the elbow or pronation of the hand(s) occurs, drift is present. If drift is present, place a check mark in the YES box. If the YES box is checked (i.e., drift is present in the upper extremities)**,** place a check mark in the appropriate drift location box (I. Right arm, 2. Left arm, 3. Both arms)

8.C.1 (a & b) Right upper & lower, 8.C.2. (a & b) Left upper & lower: INVOLUNTARY MOVEMENT - Assess whether there are any involuntary movements (tremors, chorea, athetosis, etc.) in the right and left upper and lower extremities. Place a check mark in the appropriate (1. NO *or2.* YES) box for each location.

8.D. ROMBERG: Test the patient's ability to maintain body balance with his or her eyes closed,

feet close together, and arms outstretched for 15 seconds. Place a check mark in the appropriate response box (I. POSITIVE, 2. NEGATIVE, 3. NOT TESTED). Results are POSITIVE if the patient sways or falls to the right or left.

8.E. GAIT AND COORDINATION - Describe the patient's coordination and gait - Observe the patient's walk for 20 yards. Assess the patient's gait and coordination and place a check mark in the appropriate response box(es) (I - 6): 1. Normal, 2. Unable to walk, 3. Broad-based, 4. Limp, 5. Ataxic, 6. Not tested. In some cases, it may be appropriate to check more than I box. If a limp is noted, and the "Limp" box is checked, place a check mark in appropriate box to the right to indicate which side the limp is present on (I. RIGHT *or2.* LEFT).

Question 9. ASSESSMENT OF CEREBELLAR FUNCTION

9.1. A. Right, 9.2. A. Left: Upper finger - nose - Test using a bright object. Have patient alternately touch his or her nose and the object. The results should be recorded in the boxes under the columns 9.1 RIGHT (1. NORMAL *or* 2. ABNORMAL) and 9.2 LEFT (1. NORMAL *or* 2. ABNORMAL). Results are NORMAL if the movement is done accurately without tremor.

9.1. B. Right, 9.2. B. Left: Lower heel - shin - With patient supine, ask him or her to raise one leg, touch the knee of the opposite leg, and glide the heel down the shin. Repeat this procedure using the other leg. The results should be recorded in the boxes under the columns 9.1 RIGHT (I. NORMAL or2. ABNORMAL) and 9.2 LEFT (I. NORMAL *or2.* ABNORMAL). Results are NORMAL if the movement is done accurately without tremor.

9.1. C. Right, 9.2. C. Left: Rapid alternating movements - Have the patient alternately pronate and supinate hand. The results should be recorded in the boxes under the columns 9.1 RIGHT (I. NORMAL *or 2.* ABNORMAL) and 9.2 LEFT (1. NORMAL *or* 2. ABNORMAL). Results are NORMAL if the movements are performed smoothly with rate appropriate for age.

Question 10. ASSESSMENT OF REFLEXES

Muscle reflexes are tested in the standard way. Reflex actions are elicited by tapping muscle tendons with a rubber hammer. Reflexes on exact opposite sides or parts of the body should be compared - limbs should be relaxed and in the same position. If it is difficult to obtain a positive reflex reaction, the patient should be asked to perform some other muscular act to draw attention away from the area being tested (i.e., to obtain a knee-jerk reaction, the patient could be asked to interlock his or her fingers and pull hard with both hands).

10.A.1 (a - f) Right, 10.A.2. (a - f) Left: Deep reflexes and clonus codes - The following 6 muscle reflexes for both the left and right sides of the body are to be tested: biceps (a), triceps (b), ulnar (c), radial (d), knee (e), and ankle (f). Please enter the appropriate reflex code (1. NORMAL, 2. HYPERACTIVE 3. ABSENT/HYPOACTIVE, 4. NOT TESTED) in the boxes under the reflex code column. The reflex codes can be found in the box above the reflex response code column. In addition to reflex tested, you will observe for the presence of clonus. Please enter the appropriate clonus code (1. NO, 2. YES, _ 3 BEATS, 3. YES, > 3 BEATS, 4. NOT TESTED) in the response boxes under the clonus code column. The clonus codes can be found in the box above the clonus code response column.

10.B.1. Right, 10.B.2. Left: PLANTAR REFLEXES - With patient supine, assess the reaction of the toes when the lateral sole of the foot is stroked with a key or handle of a reflex hammer. Place a check mark in the appropriate box (1. NORMAL, 2. ABNORMAL, 3. NOT TESTED) for each side (right and left) tested. The result is ABNORMAL if the extension of toes is upward.

Question 11. ASSESSMENT OF TACTILE SENSATION

The patient's ability to perceive tactile sensations is to be assessed at three sites on each side of the body: left and right arm/hand, left and right leg/foot, and left and right trunk. The patient should be asked to keep his or her eyes closed so that the sensitivity of the skin area being tested can be measured directly. Test using light finger touch or cotton wool. Ask the patient to identify the location of the touch and the object touching the skin. Place a check mark in the appropriate box (I. NORMAL, 2. ABNORMAL, 3. NOT TESTED) for each body part being tested.

The SAS System 14:00 Friday, February 13, 2004 3

The CONTENTS Procedure

Data Set Name:	IN.NE_PUBNU	Observations:	1865
Member Type:	DATA	Variables:	133
Engine:	V6	Indexes:	0
Created:	15:24 Friday, February 13, 2004	Observation Length:	1062
Last Modified:	15:24 Friday, February 13, 2004	Deleted Observations:	0
Protection:		Compressed:	NO
Data Set Type:		Sorted:	NO
Label:			

-----Engine/Host Dependent Information-----

Data Set Page Size:	16384
Number of Data Set Pages:	126
First Data Page:	2
Max Obs per Page:	15
Obs in First Data Page:	14
Number of Data Set Repairs:	0
File Name:	ne_pubnu.sd2
Release Created:	6.08.00
Host Created:	WIN

-----Alphabetic List of Variables and Attributes-----

#	Variable	Type	Len	Pos	Format	Informat	Label
1	ANONID	Char	8	0			ANONYMIZED ID #
83	NEANKLL	Num	8	662	2.	2.	10A2F1 LEFT ANKLE REFLEX CODE
84	NEANKLLC	Num	8	670	2.	2.	10A2F2 LEFT ANKLE CLONUS CODE
71	NEANKLR	Num	8	566	2.	2.	10A1F1 RIGHT ANKLE REFLEX CODE
72	NEANKLRC	Num	8	574	2.	2.	10A1F2 RIGHT ANKLE CLONUS CODE
106	NEARMLPN	Num	8	840	2.	2.	SENSORY LEFT ARM/HAND PAIN
108	NEARMLPO	Num	8	856	2.	2.	SENSORY LEFT ARM/HAND POSITION
87	NEARMLTA	Num	8	694	2.	2.	11A TACTILE SENSATION LEFT ARM/HAND
107	NEARMLVB	Num	8	848	2.	2.	SENSORY LEFT ARM/HAND VIBRATION
109	NEARMRPN	Num	8	864	2.	2.	SENSORY RIGHT ARM/HAND PAIN
111	NEARMRPO	Num	8	880	2.	2.	SENSORY RIGHT ARM/HAND POSITION
88	NEARMRTA	Num	8	702	2.	2.	11B TACTILE SENSATION RIGHT ARM/HAND
110	NEARMRVB	Num	8	872	2.	2.	SENSORY RIGHT ARM/HAND VIBRATION
73	NEBICL	Num	8	582	2.	2.	10A2A1 LEFT BICEP REFLEX CODE
74	NEBICLC	Num	8	590	2.	2.	10A2A2 LEFT BICEP CLONUS CODE
61	NEBICR	Num	8	486	2.	2.	10A1A1 RIGHT BICEP REFLEX CODE
62	NEBICRC	Num	8	494	2.	2.	10A1A2 RIGHT BICEP CLONUS CODE
99	NEBLINDL	Num	8	784	2.	2.	ABNORM VIS ACUITY-PT BLIND LFT EYE (PH2)
98	NEBLINDR	Num	8	776	2.	2.	ABNORM VIS ACUITY-PT BLIND RT EYE (PH2)
4	NEBNO	Num	8	17	3.	3.	DATA ENTRY BATCH NUMBER
56	NECRBFNL	Num	8	446	2.	2.	92A UPPER FINGER - NOSE - LEFT
55	NECRBFNR	Num	8	438	2.	2.	91A UPPER FINGER - NOSE - RIGHT
58	NECRBHSL	Num	8	462	2.	2.	92B LOWER HEEL - SHIN - LEFT
57	NECRBHSR	Num	8	454	2.	2.	91B LOWER HEEL - SHIN - RIGHT
60	NECRBRML	Num	8	478	2.	2.	92C RAPID ALTERNATING MOVEMENT - LEFT
59	NECRBRMR	Num	8	470	2.	2.	91C RAPID ALTERNATING MOVEMENT - RIGHT
101	NECRNRL	Num	8	800	2.	2.	CORNEAL REFLEX - LEFT EYE
100	NECRNRR	Num	8	792	2.	2.	CORNEAL REFLEX - RIGHT EYE
9	NEDOMEYE	Num	8	74	2.	2.	6A WHICH SIDE IS DOMINANT - EYE

The SAS System 14:00 Friday, February 13, 2004 4

The CONTENTS Procedure

-----Alphabetic List of Variables and Attributes-----

#	Variable	Type	Len	Pos	Format	Informat	Label
11	NEDOMFT	Num	8	90	2.	2.	6C WHICH SIDE IS DOMINANT - FOOT
10	NEDOMHND	Num	8	82	2.	2.	6B WHICH SIDE IS DOMINANT - HAND
46	NEDRIFT	Num	8	366	2.	2.	8B3 DOES PATIENT DEMONSTRATE DRIFT
47	NEDRIFTL	Num	8	374	2.	2.	8B31 LOCATION OF DRIFT
19	NEEXMVL	Num	8	150	2.	2.	7C2 EXTRAOCULAR MOVEMENTS - LEFT
18	NEEXMVR	Num	8	142	2.	2.	7C1 EXTRAOCULAR MOVEMENTS - RIGHT
23	NEFACPL	Num	8	182	2.	2.	7E2 FACIAL POWER - LEFT
22	NEFACPR	Num	8	174	2.	2.	7E1 FACIAL POWER - RIGHT
21	NEFACSL	Num	8	166	2.	2.	7D2 FACIAL SENSATION - LEFT
20	NEFACSR	Num	8	158	2.	2.	7D1 FACIAL SENSATION - RIGHT
53	NEGAIT	Num	8	422	2.	2.	8E DESCRIBE PTS COORDINATION & GAIT
33	NEHRNSL	Num	8	262	2.	2.	7J2 HORNERS SYNDROME - LEFT
32	NEHRNSR	Num	8	254	2.	2.	7J1 HORNERS SYNDROME - RIGHT
2	NEID2	Num	8	8	3.	3.	FOLLOW-UP IDENTIFIER
95	NEINFCT	Num	8	752	2.	2.	>=10 YRS DESC PTS INTELLECT FUNCT (PH2)
51	NEINVLL	Num	8	406	2.	2.	8C2B INVOLUNTARY MOVEMENT - LEFT LOWER
49	NEINVLU	Num	8	390	2.	2.	8C2A INVOLUNTARY MOVEMENT - LEFT UPPER
50	NEINVRL	Num	8	398	2.	2.	8C1B INVOLUNTARY MOVEMENT - RIGHT LOWER
48	NEINVRU	Num	8	382	2.	2.	8C1A INVOLUNTARY MOVEMENT - RIGHT UPPER
81	NEKNEEL	Num	8	646	2.	2.	10A2E1 LEFT KNEE REFLEX CODE
82	NEKNEELC	Num	8	654	2.	2.	10A2E2 LEFT KNEE CLONUS CODE
69	NEKNEER	Num	8	550	2.	2.	10A1E1 RIGHT KNEE REFLEX CODE
70	NEKNEERC	Num	8	558	2.	2.	10A1E2 RIGHT KNEE CLONUS CODE
112	NELEGLPN	Num	8	888	2.	2.	SENSORY LEFT LEG/FOOT PAIN
114	NELEGLPO	Num	8	904	2.	2.	SENSORY LEFT LEG/FOOT POSITION
89	NELEGLTA	Num	8	710	2.	2.	11C TACTILE SENSATION LEFT LEG/FOOT
113	NELEGLVB	Num	8	896	2.	2.	SENSORY LEFT LEG/FOOT VIBRATION
115	NELEGRPN	Num	8	912	2.	2.	SENSORY RIGHT LEG/FOOT PAIN
117	NELEGRPO	Num	8	928	2.	2.	SENSORY RIGHT LEG/FOOT POSITION
90	NELEGRTA	Num	8	718	2.	2.	11D TACTILE SENSATION RIGHT LEG/FOOT
116	NELEGRVB	Num	8	920	2.	2.	SENSORY RIGHT LEG/FOOT VIBRATION
54	NELIMP	Num	8	430	2.	2.	8E1 GAIT & COORDINATION - LIMP
8	NELNFCA	Num	8	66	2.	2.	5 DESCRIBE PATIENTS LANGUAGE FUNCTION
96	NELNFCB	Num	8	760	2.	2.	<10 YRS LANG FUNCT DEFICITS NOTED (PH2)
97	NELNFCC	Num	8	768	2.	2.	CHANGE FROM PREVIOUS LANG FUNCT (PH2)
44	NEMOPLL	Num	8	350	2.	2.	8B2B1 MOTOR POWER - LEFT LOWER
45	NEMOPLLA	Num	8	358	2.	2.	8B2B2 ABNORMAL MOTOR POWER LOCATION LL
42	NEMOPLU	Num	8	334	2.	2.	8B2A1 MOTOR POWER - LEFT UPPER
43	NEMOPLUA	Num	8	342	2.	2.	8B2A2 ABNORMAL MOTOR POWER LOCATION LU
40	NEMOPRL	Num	8	318	2.	2.	8B1B1 MOTOR POWER - RIGHT LOWER
41	NEMOPRLA	Num	8	326	2.	2.	8B1B2 ABNORMAL MOTOR POWER LOCATION RL
38	NEMOPRU	Num	8	302	2.	2.	8B1A1 MOTOR POWER - RIGHT UPPER
39	NEMOPRUA	Num	8	310	2.	2.	8B1A2 ABNORMAL MOTOR POWER LOCATION RU
37	NEMSTLL	Num	8	294	2.	2.	8A2B MUSCLE TONE - LEFT LOWER
36	NEMSTLU	Num	8	286	2.	2.	8A2A MUSCLE TONE - LEFT UPPER
35	NEMSTRL	Num	8	278	2.	2.	8A1B MUSCLE TONE - RIGHT LOWER
34	NEMSTRU	Num	8	270	2.	2.	8A1A MUSCLE TONE - RIGHT UPPER
29	NENYGTL	Num	8	230	2.	2.	7H2 NYSTAGMUS ON GAZE TOWARD - LEFT
28	NENYGTR	Num	8	222	2.	2.	7H1 NYSTAGMUS ON GAZE TOWARD - RIGHT
31	NENYVGL	Num	8	246	2.	2.	7I2 NYSTAGMUS ON VERTICAL GAZE - LEFT
30	NENYVGR	Num	8	238	2.	2.	7I1 NYSTAGMUS ON VERTICAL GAZE - RIGHT
6	NEOTHPOS	Char	25	33			1A4 OTHER POSITION OF PERSON SPECIFY

The CONTENTS Procedure

-----Alphabetic List of Variables and Attributes-----

#	Variable	Type	Len	Pos	Format	Informat	Label
94	NEOVERS	Char	2	750			VERSION DATA TRANSCRIBED FROM
25	NEPALRL	Num	8	198	2.	2.	7F2 PALATAL REFLEX - LEFT
24	NEPALRR	Num	8	190	2.	2.	7F1 PALATAL REFLEX - RIGHT
86	NEPLNRL	Num	8	686	2.	2.	10B2 PLANTAR REFLEXES - LEFT
85	NEPLNRR	Num	8	678	2.	2.	10B1 PLANTAR REFLEXES - RIGHT
5	NEPOS	Num	8	25	2.	2.	1A POSITION OF PERSON PERFORMING EXAM
7	NEPOSNR	Num	8	58	2.	2.	4 LEVEL OF CONSCIOUSNESS
17	NEPUPRL	Num	8	134	2.	2.	7B2 PUPILLARY REFLEXES - LEFT
16	NEPUPRR	Num	8	126	2.	2.	7B1 PUPILLARY REFLEXES - RIGHT
79	NERADL	Num	8	630	2.	2.	10A2D1 LEFT RADIAL REFLEX CODE
80	NERADLC	Num	8	638	2.	2.	10A2D2 LEFT RADIAL CLONUS CODE
67	NERADR	Num	8	534	2.	2.	10A1D1 RIGHT RADIAL REFLEX CODE
68	NERADRC	Num	8	542	2.	2.	10A1D2 RIGHT RADIAL CLONUS CODE
105	NERINNEL	Num	8	832	2.	2.	RINNE TEST - LEFT
104	NERINNER	Num	8	824	2.	2.	RINNE TEST - RIGHT
52	NERMBRG	Num	8	414	2.	2.	8D ROMBERG
124	NESADLPN	Num	8	984	2.	2.	SENSORY LEFT SADDLE PAIN
126	NESADLPO	Num	8	1000	2.	2.	SENSORY LEFT SADDLE POSITION
127	NESADLTA	Num	8	1008	2.	2.	SENSORY LEFT SADDLE TACTILE
125	NESADLVB	Num	8	992	2.	2.	SENSORY LEFT SADDLE VIBRATION
128	NESADRPN	Num	8	1016	2.	2.	SENSORY RIGHT SADDLE PAIN
130	NESADRPO	Num	8	1032	2.	2.	SENSORY RIGHT SADDLE POSITION
131	NESADRTA	Num	8	1040	2.	2.	SENSORY RIGHT SADDLE TACTILE
129	NESADRVB	Num	8	1024	2.	2.	SENSORY RIGHT SADDLE VIBRATION
27	NETONGML	Num	8	214	2.	2.	7G2 TONGUE MOVEMENTS - LEFT
26	NETONGMR	Num	8	206	2.	2.	7G1 TONGUE MOVEMENTS - RIGHT
75	NETRICL	Num	8	598	2.	2.	10A2B1 LEFT TRICEP REFLEX CODE
76	NETRICLC	Num	8	606	2.	2.	10A2B2 LEFT TRICEP CLONUS CODE
63	NETRICR	Num	8	502	2.	2.	10A1B1 RIGHT TRICEP REFLEX CODE
64	NETRICRC	Num	8	510	2.	2.	10A1B2 RIGHT TRICEP CLONUS CODE
118	NETRKLPN	Num	8	936	2.	2.	SENSORY LEFT TRUNK PAIN
120	NETRKLPO	Num	8	952	2.	2.	SENSORY LEFT TRUNK POSITION
91	NETRKLTA	Num	8	726	2.	2.	11E TACTILE SENSATION LEFT TRUNK
119	NETRKLVB	Num	8	944	2.	2.	SENSORY LEFT TRUNK VIBRATION
121	NETRKRPN	Num	8	960	2.	2.	SENSORY RIGHT TRUNK PAIN
123	NETRKRPO	Num	8	976	2.	2.	SENSORY RIGHT TRUNK POSITION
92	NETRKRTA	Num	8	734	2.	2.	11F TACTILE SENSATION RIGHT TRUNK
122	NETRKRVB	Num	8	968	2.	2.	SENSORY RIGHT TRUNK VIBRATION
93	NETRNSC	Num	8	742	2.	2.	DATA TRANSCRIBED FROM OLDER VERSION
77	NEULNL	Num	8	614	2.	2.	10A2C1 LEFT ULNAR REFLEX CODE
78	NEULNLC	Num	8	622	2.	2.	10A2C2 LEFT ULNAR CLONUS CODE
65	NEULNR	Num	8	518	2.	2.	10A1C1 RIGHT ULNAR REFLEX CODE
66	NEULNRC	Num	8	526	2.	2.	10A1C2 RIGHT ULNAR CLONUS CODE
15	NEVACL	Char	7	119			7A22 VISUAL ACUITY W/ CORRECT LENS - L
14	NEVACR	Char	7	112			7A21 VISUAL ACUITY W/ CORRECT LENS - R
13	NEVAL	Char	7	105			7A12 VISUAL ACUITY W/OUT CORR LENS - L
12	NEVAR	Char	7	98			7A11 VISUAL ACUITY W/OUT CORR LENS - R
3	NEVERS	Char	1	16			FORM VERSION
133	NEVSACL	Char	7	1055			VISUAL ACUITY - LEFT
132	NEVSACR	Char	7	1048			VISUAL ACUITY - RIGHT
103	NEWEBERL	Num	8	816	2.	2.	WEBER TEST - LEFT
102	NEWEBERR	Num	8	808	2.	2.	WEBER TEST - RIGHT

```
************************************************************************
* NENU.FMT contains value labels for numerical codes assigned to categorical *
* variables in the SAS datset NE_PUBNU.SD2                              *
************************************************************************;


PROC FORMAT;


  VALUE ID2F    1='1-PH2 ENTRY VIS'
                3='3-PH2 ANN 1 VIS'
                5='5-PH2 ANN 2 VIS'
                7='7-PH2 ANN 3 VIS'
                9='9-PH2 ANN 4 VIS'
               11='11-PH3 ENTRY VIS'
               13='13-PH3 ANN 1 VIS'
               15='15-PH3 ANN 2 VIS'
               17='17-PH3 ANN 3 VIS'
               19='19-PH3 ANN 4 VIS'
              999='NEURO EVENT VISIT';

  VALUE NEPOS    1='PEDIATRIC NEUROLOGIST'
                 2='PEDIATRIC HEMATOLOGIST'
                 3='PA OR NURSE PRACTITIONER'
                 4='OTHER SPECIFY';

  VALUE NEPOSNR  0='AWAKE AND ALERT'
                 1='LETHARGIC'
                 2='CONFUSED'
                 3='STUPOROUS'
                 4='COMATOSE'
                 5='UNRESPONSIVE';

  VALUE NELNFCA  1='NO DEFICITS NOTED'
                 2='NRML CNVRSE,ERR COMP/EXP'
                 3='NRML CNVRSE,DIFF'
                 4='VRBAL COMMUNIC POSSIBLE'
                 5='NO VRBAL COMMUNIC'
                 6='DYSARTHRIA';

*Format DOMINANT used for the following variables: NEDOMEYE
        NEDOMHND NEDOMFT;

  VALUE DOMINANT 1='LEFT'
                 2='RIGHT'
                 3='AMBIDEXTROUS'
                 4='UNDETERMINED';

*Format CRANNERV used for the following variables: NEPUPRR NEPUPRL
        NEEXMVR NEEXMVL NEFACSR NEFACSL NEFACPR NEFACPL NEPALRR
        NEPALRL NETONGMR NETONGML NECRNRR NECRNRL NEWEBERR NEWEBERL
        NERINNER NERINNEL NEPLNRR NEPLNRL;

  VALUE CRANNERV  1='NORMAL'
                  2='ABNORMAL'
                  3='NOT TESTED';
```

```
*Format PLANTAR used for the following variables: NEPLNRR NEPLNRL;

  VALUE PLANTAR  1='NORMAL'
                 2='ABNORMAL'
                 3='NOT TESTED'
                 4='CLONUS';


*Format EYENERV used for the following variables: NENYGTR NENYGTL
        NENYVGR NENYVGL NEHRNSR NEHRNSL;

  VALUE EYENERV  1='PRESENT'
                 2='ABSENT'
                 3='NOT TESTED';


*Format MUSCTONE used for the following variables: NEMSTRU NEMSTRL
        NEMSTLU NEMSTLL;

  VALUE MUSCTONE 1='NORMAL'
                 2='INCREASED'
                 3='DECREASED'
                 4='NOT TESTED';

*Format MOTORPWR used for the following variables: NEMOPRU NEMOPRL
        NEMOPLU NEMOPLL;

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


*Format MTRPWLOC used for the following variables: NEMOPRUA NEMOPRLA
        NEMOPLUA NEMOPLLA;

  VALUE MTRPWLOC 1='PROXIMAL'
                 2='DISTAL'
                 3='BOTH';


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

  VALUE NEDRIFTL 1='RIGHT ARM'
                 2='LEFT ARM'
                 3='BOTH ARMS';

*Format INVOLMOV used for the following variables:NEINVRU NEINVLU
        NEINVRL NEINVLL;

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


  VALUE NERMBRG  1='POSITIVE'
                 2='NEGATIVE'
                 3='NOT TESTED';
```

```
  VALUE NEGAIT  12='UNABLE TO WALK, BROAD BASED, LIMP, ATAXIC(12)'
                16='NOT TESTED(16)'
                32='NORMAL(32)';



  VALUE NELIMP   1='RIGHT'
                 2='LEFT'
                 3='BOTH';


*Format CERFUNCT used for the following variables: NECRBFNR NECRBFNL
        NECRBHSR NECRBHSL NECRBRMR NECRBRML;

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


*Format REFLEX used for the following variables: NEBICR NETRICR NEULNR
        NERADR NEKNEER NEANKLR NEBICL NETRICL NEULNL NERADL NEKNEEL
        NEANKLL;

  VALUE REFLEX   1='NORMAL'
                 2='HYPERACTIVE'
                 3='ABSENT/HYPOACTIVE'
                 4='NOT TESTED';


*Format CLONUS used for the following variables: NEBICRC NETRICRC NEULNRC
        NERADRC NEKNEERC NEANKLRC NEBICLC NETRICLC NEULNLC NERADLC NEKNEELC
        NEANKLLC;

  VALUE CLONUS   1='NO'
                 2='YES, <=3 BEATS'
                 3='YES, >3 BEATS'
                 4='NOT TESTED';


*Format SENSORY used for the following variables: NEARMLTA NEARMRTA
        NELEGLTA NELEGRTA NETRKLTA NETRKRTA NEARMLPN NEARMRPN NELEGLPN
        NELEGRPN NETRKLPN NETRKRPN NESADLPN NESADRPN NEARMLVB NEARMRVB
        NELEGLVB NELEGRVB NETRKLVB NETRKRVB NESADLVB NESADRVB NEARMLPO
        NEARMRPO NELEGLPO NELEGRPO NETRKLPO NETRKRPO NESADLPO NESADRPO
        NESADLTA NESADRTA;

  VALUE SENSORY  1='NORMAL'
                 2='ABNORMAL'
                 3='NOT TESTED';


* The following are Phase 2 variables;

  VALUE NEINFCT  1='NORMAL'
                 2='DISORIENTED'
                 3='INAPPROPRIATE BEHAVIOR'
                 4='NOT TESTED';
```

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

  VALUE NELNFCC  1='NO-SAME'
                 2='YES-WORSENED'
                 3='YES-IMPROVED';

* FORMAT NO_YES is used for the following variables: NEBLINDR NEBLINDL NETRNSC;

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

  FORMAT         NEID2 ID2F. NEPOS NEPOS. NEPOSNR NEPOSNR. NELNFCA NELNFCA.
                 NEDOMEYE NEDOMHND NEDOMFT DOMINANT. NEPUPRR NEPUPRL NEEXMVR
                 NEEXMVL NEFACSR NEFACSL NEFACPR NEFACPL NEPALRR NEPALRL
                 NETONGMR NETONGML NECRNRR  NECRNRL NEWEBERR NEWEBERL NERINNER
                 NERINNEL CRANNERV. NEPLNRR NEPLNRL PLANTAR. NENYGTR NENYGTL
                 NENYVGR NENYVGL NEHRNSR NEHRNSL EYENERV. NEMSTRU NEMSTRL
                 NEMSTLU NEMSTLL MUSCTONE. NEMOPRU NEMOPRL NEMOPLU NEMOPLL
                 MOTORPWR. NEMOPRUA NEMOPRLA NEMOPLUA NEMOPLLA MTRPWLOC. NEDRIFT
                 NEDRIFT. NEDRIFTL NEDRIFTL. NEINVRU NEINVLU NEINVRL NEINVLL
                 INVOLMOV. NERMBRG NERMBRG. NEGAIT NEGAIT. NELIMP NELIMP.
                 NECRBFNR NECRBFNL NECRBHSR NECRBHSL NECRBRMR NECRBRML CERFUNCT.
                 NEBICR NETRICR NEULNR NERADR NEKNEER NEANKLR NEBICL NETRICL
                 NEULNL NERADL NEKNEEL NEANKLL REFLEX. NEBICRC NETRICRC NEULNRC
                 NERADRC NEKNEERC NEANKLRC NEBICLC NETRICLC NEULNLC NERADLC
                 NEKNEELC NEANKLLC CLONUS. NEARMLTA NEARMRTA NELEGLTA NELEGRTA
                 NETRKLTA NETRKRTA NEARMLPN NEARMRPN NELEGLPN NELEGRPN NETRKLPN
                 NETRKRPN NESADLPN NESADRPN NEARMLVB NEARMRVB NELEGLVB NELEGRVB
                 NETRKLVB NETRKRVB NESADLVB NESADRVB NEARMLPO NEARMRPO NELEGLPO
                 NELEGRPO NETRKLPO NETRKRPO NESADLPO NESADRPO NESADLTA NESADRTA
                 SENSORY. NEINFCT NEINFCT. NELNFCB NELNFCB. NELNFCC NELNFCC.
                 NEBLINDR NEBLINDL NETRNSC NO_YES.;

RUN;
QUIT;
```

NEID2 ---------- FOLLOW-UP IDENTIFIER

type:	numeric (float)		
label:	NEID2		
range:	[1,999]	units:	1
unique values:	15	coded missing:	0 / 1865

tabulation:

Freq.	Numeric	Label
115	1	1-PH2 ENTRY VIS
75	3	3-PH2 ANN 1 VIS
172	5	5-PH2 ANN 2 VIS
4	6	
163	7	7-PH2 ANN 3 VIS
3	8	
52	9	9-PH2 ANN 4 VIS
349	11	11-PH3 ENTRY VIS
1	12	
300	13	13-PH3 ANN 1 VIS
2	14	
288	15	15-PH3 ANN 2 VIS
292	17	17-PH3 ANN 3 VIS
17	19	19-PH3 ANN 4 VIS
32	999	NEURO EVENT VISIT

NEVERS ---------- FORM VERSION

type:	string (str1)		
unique values:	1	coded missing:	581 / 1865

tabulation:

Freq.	Value
1284	"G"

NEPOS ---------- 1A POSITION OF PERSON PERFORMING EXAM

type:	numeric (float)		
label:	NEPOS		
range:	[1,4]	units:	1
unique values:	4	coded missing:	587 / 1865

tabulation:

Freq.	Numeric	Label
10	1	PEDIATRIC NEUROLOGIST
442	2	PEDIATRIC HEMATOLOGIST
564	3	PA OR NURSE PRACTITIONER
262	4	OTHER SPECIFY

NEPOS:
1. Required only if NEVERS='G'

NEOTHPOS ---------- 1A4 OTHER POSITION OF PERSON SPECIFY

type: string (str25)

unique values: 36 coded missing: 0 / 1865

tabulation:

Freq.	Value	Freq.	Value
1	"A"	2	"PED HEMATOLOGIST FELLOW"
3	"B"	10	"PED HEMATOLOGY FELLOW"
1602	"C"	10	"PED HEMO NURSE SPECIALIST"
1	"3RD YEAR MEDICAL STUDENT"	1	"PED NEUROLOGY FELLOW"
1	"4TH YR MED STUDENT"	1	"PED NEUROLOGY RESIDENT"
9	"ADULT HEMATOLOGIST"	2	"PED RESIDENT"
1	"ADULT HEMOTOLOGIST"	1	"PEDI HEMATOLOGY FELLOW"
1	"CLINICAL FELLOW"	1	"PEDI. HEMATOLOGY FELLOW"
4	"FELLOW"	1	"PEDIATRIC FELLOW"
2	"HEM/ONC FELLOW"	2	"PEDIATRIC HOME FELLOW"
12	"HEMATOLOGY FELLOW"	1	"PEDIATRIC HOUSESTAFF"
1	"HOUSE STAFF"	8	"PEDIATRIC RESIDENT"
2	"MED STUDENT"	110	"PEDIATRICIAN"
1	"MEDICAL STUDENT"	1	"PEDIATRICS RESIDENT"
1	"NP STUDENT"	23	"R.N."
1	"NURSE/DATA COORDINATOR"	9	"RESIDENT"
4	"PED HEM/ONC FELLOW"	32	"RN"
1	"PED HEMATALOGY FELLOW"	2	"ROTATING RESIDENT"

NEOTHPOS:
1. Required only if NEPOS=4

NEPOSNR ---------- 4 LEVEL OF CONSCIOUSNESS

type: numeric (float)
label: NEPOSNR

range: [0,2] units: 1
unique values: 3 coded missing: 605 / 1865

tabulation:

Freq.	Numeric	Label
1256	0	AWAKE AND ALERT
3	1	LETHARGIC
1	2	CONFUSED

NEPOSNR:
1. Required only if version='G'

NELNFCA ---------- 5 DESCRIBE PATIENTS LANGUAGE FUNCTION

type:	numeric (float)		
label:	NELNFCA		
range:	[1,6]	units:	1
unique values:	6	coded missing:	361 / 1865

tabulation:	Freq.	Numeric	Label
	1468	1	NO DEFICITS NOTED
	19	2	NRML CNVRSE,ERR COMP/EXP
	4	3	NRML CNVRSE,DIFF
	7	4	VRBAL COMMUNIC POSSIBLE
	1	5	NO VRBAL COMMUNIC
	5	6	DYSARTHRIA

NELNFCA:
1. Required only if NEVERS='G' or (NEVERS NE 'G' and age >= 10)
2. '6=DYSARTHRIA' was not a response choice on version (NEVERS)='G'

NEDOMEYE ---------- 6A WHICH SIDE IS DOMINANT - EYE

type:	numeric (float)		
label:	NEDOMEYE		
range:	[1,4]	units:	1
unique values:	4	coded missing:	620 / 1865

tabulation:	Freq.	Numeric	Label
	88	1	LEFT
	389	2	RIGHT
	62	3	AMBIDEXTROUS
	706	4	UNDETERMINED

NEDOMEYE:
1. Required only if NEVERS='G'

NEDOMHND ---------- 6B WHICH SIDE IS DOMINANT - HAND

type:	numeric (float)		
label:	NEDOMHND		
range:	[1,4]	units:	1
unique values:	4	coded missing:	615 / 1865

tabulation:	Freq.	Numeric	Label
	128	1	LEFT
	1014	2	RIGHT
	12	3	AMBIDEXTROUS
	96	4	UNDETERMINED

NEDOMHND:
1. Required only if NEVERS='G'

NEDOMFT ---------- 6C WHICH SIDE IS DOMINANT - FOOT

type:	numeric (float)		
label:	NEDOMFT		
range:	[1,4]	units:	1
unique values:	4	coded missing:	619 / 1865

tabulation:	Freq.	Numeric	Label
	82	1	LEFT
	649	2	RIGHT
	33	3	AMBIDEXTROUS
	482	4	UNDETERMINED

NEDOMFT:
1. Required only if NEVERS='G'

NEVAR ---------- 7A11 VISUAL ACUITY W/OUT CORR LENS - R

type: string (str7)

unique values: 16 coded missing: 0 / 1865

tabulation:

Freq.	Value	Freq.	Value
462	"-1/-1"	365	"20/20"
597	"-7/-7"	28	"20/200"
3	"-8/-8"	112	"20/25"
26	"-9/-9"	93	"20/30"
16	"20/100"	60	"20/40"
2	"20/13"	50	"20/50"
1	"20/140"	1	"20/60"
17	"20/15"	32	"20/70"

NEVAR:
1. Required only if NEVERS='G'
2. Also see NEVSACR

NEVAL ---------- 7A12 VISUAL ACUITY W/OUT CORR LENS - L

type: string (str7)

unique values: 19 coded missing: 0 / 1865

tabulation:

Freq.	Value	Freq.	Value
461	"-1/-1"	371	"20/20"
597	"-7/-7"	19	"20/200"
3	"-8/-8"	120	"20/25"
28	"-9/-9"	89	"20/30"
1	"20/10"	59	"20/40"
16	"20/100"	54	"20/50"
1	"20/13"	1	"20/60"
1	"20/140"	28	"20/70"
14	"20/15"	1	"25/25"
		1	"25/30"

NEVAL:
1. Required only if NEVERS='G'
2. Also see NEVSACL

NEVACR ---------- 7A21 VISUAL ACUITY W/ CORRECT LENS - R

type: string (str7)

unique values: 14 coded missing: 0 / 1865

tabulation:

Freq.	Value	Freq.	Value
335	"-1/-1"	21	"20/25"
1398	"-7/-7"	14	"20/30"
2	"-8/-8"	1	"20/35"
17	"-9/-9"	12	"20/40"
1	"20/114"	7	"20/50"
2	"20/15"	2	"20/70"
52	"20/20"	1	"20/80"

NEVACR:
1. Required only if NEVERS='G'

NEVACL ---------- 7A22 VISUAL ACUITY W/ CORRECT LENS - L

type: string (str7)

unique values: 12 coded missing: 0 / 1865

tabulation:

Freq.	Value
339	"-1/-1"
1398	"-7/-7"
2	"-8/-8"
19	"-9/-9"
1	"20/114"
2	"20/15"
49	"20/20"
23	"20/25"
17	"20/30"
9	"20/40"
5	"20/50"
1	"20/70"

NEVACL:
1. Required only if NEVERS='G'

NEPUPRR ---------- 7B1 PUPILLARY REFLEXES - RIGHT

type: numeric (float)
label: NEPUPRR

range: [1,3] units: 1
unique values: 3 coded missing: 10 / 1865

tabulation:

Freq.	Numeric	Label
1826	1	NORMAL
5	2	ABNORMAL
24	3	NOT TESTED

NEPUPRL ---------- 7B2 PUPILLARY REFLEXES - LEFT

type:	numeric (float)		
label:	NEPUPRL		
range:	[1,3]	units:	1
unique values:	3	coded missing:	12 / 1865

tabulation:	Freq.	Numeric	Label
	1817	1	NORMAL
	9	2	ABNORMAL
	27	3	NOT TESTED

NEEXMVR ---------- 7C1 EXTRAOCULAR MOVEMENTS - RIGHT

type:	numeric (float)		
label:	NEEXMVR		
range:	[1,3]	units:	1
unique values:	3	coded missing:	12 / 1865

tabulation:	Freq.	Numeric	Label
	1831	1	NORMAL
	2	2	ABNORMAL
	20	3	NOT TESTED

NEEXMVL ---------- 7C2 EXTRAOCULAR MOVEMENTS - LEFT

type:	numeric (float)		
label:	NEEXMVL		
range:	[1,3]	units:	1
unique values:	3	coded missing:	13 / 1865

tabulation:	Freq.	Numeric	Label
	1824	1	NORMAL
	6	2	ABNORMAL
	22	3	NOT TESTED

NEFACSR ---------- 7D1 FACIAL SENSATION - RIGHT

type:	numeric (float)		
label:	NEFACSR		
range:	[1,3]	units:	1
unique values:	3	coded missing:	12 / 1865

tabulation:	Freq.	Numeric	Label
	1819	1	NORMAL
	7	2	ABNORMAL
	27	3	NOT TESTED

NEFACSL ---------- 7D2 FACIAL SENSATION - LEFT

type:	numeric (float)		
label:	NEFACSL		
range:	[1,3]	units:	1
unique values:	3	coded missing:	15 / 1865

tabulation:	Freq.	Numeric	Label
	1819	1	NORMAL
	4	2	ABNORMAL
	27	3	NOT TESTED

NEFACPR ---------- 7E1 FACIAL POWER - RIGHT

type:	numeric (float)		
label:	NEFACPR		
range:	[1,3]	units:	1
unique values:	3	coded missing:	12 / 1865

tabulation:	Freq.	Numeric	Label
	1818	1	NORMAL
	11	2	ABNORMAL
	24	3	NOT TESTED

NEFACPL ---------- 7E2 FACIAL POWER - LEFT

type:	numeric (float)		
label:	NEFACPL		
range:	[1,3]	units:	1
unique values:	3	coded missing:	14 / 1865

tabulation:	Freq.	Numeric	Label
	1816	1	NORMAL
	10	2	ABNORMAL
	25	3	NOT TESTED

NEPALRR ---------- 7F1 PALATAL REFLEX - RIGHT

type:	numeric (float)		
label:	NEPALRR		
range:	[1,3]	units:	1
unique values:	3	coded missing:	12 / 1865

tabulation:	Freq.	Numeric	Label
	1772	1	NORMAL
	13	2	ABNORMAL
	68	3	NOT TESTED

NEPALRL ---------- 7F2 PALATAL REFLEX - LEFT

type:	numeric (float)		
label:	NEPALRL		
range:	[1,3]	units:	1
unique values:	3	coded missing:	13 / 1865

tabulation:	Freq.	Numeric	Label
	1771	1	NORMAL
	12	2	ABNORMAL
	69	3	NOT TESTED

NETONGMR ---------- 7G1 TONGUE MOVEMENTS - RIGHT

type:	numeric (float)		
label:	NETONGMR		
range:	[1,3]	units:	1
unique values:	3	coded missing:	12 / 1865

tabulation:	Freq.	Numeric	Label
	1827	1	NORMAL
	11	2	ABNORMAL
	15	3	NOT TESTED

NETONGML ---------- 7G2 TONGUE MOVEMENTS - LEFT

type:	numeric (float)		
label:	NETONGML		
range:	[1,3]	units:	1
unique values:	3	coded missing:	13 / 1865

tabulation:	Freq.	Numeric	Label
	1827	1	NORMAL
	9	2	ABNORMAL
	16	3	NOT TESTED

NENYGTR ---------- 7H1 NYSTAGMUS ON GAZE TOWARD - RIGHT

type:	numeric (float)		
label:	NENYGTR		
range:	[1,3]	units:	1
unique values:	3	coded missing:	13 / 1865

tabulation:	Freq.	Numeric	Label
	59	1	PRESENT
	1781	2	ABSENT
	12	3	NOT TESTED

NENYGTL ---------- 7H2 NYSTAGMUS ON GAZE TOWARD - LEFT

type:	numeric (float)		
label:	NENYGTL		
range:	[1,3]	units:	1
unique values:	3	coded missing:	14 / 1865

tabulation:	Freq.	Numeric	Label
	53	1	PRESENT
	1786	2	ABSENT
	12	3	NOT TESTED

NENYVGR ---------- 7I1 NYSTAGMUS ON VERTICAL GAZE - RIGHT

type:	numeric (float)		
label:	NENYVGR		
range:	[1,3]	units:	1
unique values:	3	coded missing:	13 / 1865

tabulation:	Freq.	Numeric	Label
	45	1	PRESENT
	1793	2	ABSENT
	14	3	NOT TESTED

NENYVGL ---------- 7I2 NYSTAGMUS ON VERTICAL GAZE - LEFT

type:	numeric (float)		
label:	NENYVGL		
range:	[1,3]	units:	1
unique values:	3	coded missing:	14 / 1865

tabulation:	Freq.	Numeric	Label
	39	1	PRESENT
	1798	2	ABSENT
	14	3	NOT TESTED

NEHRNSR ---------- 7J1 HORNERS SYNDROME - RIGHT

type:	numeric (float)		
label:	NEHRNSR		
range:	[1,3]	units:	1
unique values:	3	coded missing:	13 / 1865

tabulation:	Freq.	Numeric	Label
	22	1	PRESENT
	1709	2	ABSENT
	121	3	NOT TESTED

NEHRNSL ---------- 7J2 HORNERS SYNDROME - LEFT

type:	numeric (float)		
label:	NEHRNSL		
range:	[1,3]	units:	1
unique values:	3	coded missing:	14 / 1865

tabulation:	Freq.	Numeric	Label
	20	1	PRESENT
	1708	2	ABSENT
	123	3	NOT TESTED

NEMSTRU ---------- 8A1A MUSCLE TONE - RIGHT UPPER

type:	numeric (float)		
label:	NEMSTRU		
range:	[1,4]	units:	1
unique values:	4	coded missing:	13 / 1865

tabulation:	Freq.	Numeric	Label
	1809	1	NORMAL
	12	2	INCREASED
	20	3	DECREASED
	11	4	NOT TESTED

NEMSTRL ---------- 8A1B MUSCLE TONE - RIGHT LOWER

type:	numeric (float)		
label:	NEMSTRL		
range:	[1,4]	units:	1
unique values:	4	coded missing:	13 / 1865

tabulation:	Freq.	Numeric	Label
	1809	1	NORMAL
	11	2	INCREASED
	20	3	DECREASED
	12	4	NOT TESTED

NEMSTLU ---------- 8A2A MUSCLE TONE - LEFT UPPER

type:	numeric (float)		
label:	NEMSTLU		
range:	[1,4]	units:	1
unique values:	4	coded missing:	14 / 1865

tabulation:	Freq.	Numeric	Label
	1822	1	NORMAL
	11	2	INCREASED
	11	3	DECREASED
	7	4	NOT TESTED

NEMSTLL ---------- 8A2B MUSCLE TONE - LEFT LOWER

type:	numeric (float)		
label:	NEMSTLL		
range:	[1,4]	units:	1
unique values:	4	coded missing:	16 / 1865

tabulation:	Freq.	Numeric	Label
	1819	1	NORMAL
	14	2	INCREASED
	9	3	DECREASED
	7	4	NOT TESTED

NEMOPRU ------------------------------------ 8B1A1 MOTOR POWER - RIGHT UPPER

type:	numeric (float)		
label:	NEMOPRU		
range:	[1,2]	units:	1
unique values:	2	coded missing:	20 / 1865

tabulation:	Freq.	Numeric	Label
	1803	1	NORMAL
	42	2	ABNORMAL

NEMOPRUA ---------------------------- 8B1A2 ABNORMAL MOTOR POWER LOCATION RU

type:	numeric (float)		
label:	NEMOPRUA		
range:	[1,3]	units:	1
unique values:	3	coded missing:	1825 / 1865

tabulation:	Freq.	Numeric	Label
	1	1	PROXIMAL
	6	2	DISTAL
	33	3	BOTH

NEMOPRUA:
1. Required only if NEMOPRU=2

NEMOPRL ------------------------------------ 8B1B1 MOTOR POWER - RIGHT LOWER

type:	numeric (float)		
label:	NEMOPRL		
range:	[1,2]	units:	1
unique values:	2	coded missing:	19 / 1865

tabulation:	Freq.	Numeric	Label
	1801	1	NORMAL
	45	2	ABNORMAL

NEMOPRLA ---------------------------- 8B1B2 ABNORMAL MOTOR POWER LOCATION RL

type:	numeric (float)		
label:	NEMOPRLA		
range:	[1,3]	units:	1
unique values:	3	coded missing:	1822 / 1865

tabulation:	Freq.	Numeric	Label
	6	1	PROXIMAL
	4	2	DISTAL
	33	3	BOTH

NEMOPRLA:
1. Required only if NEMOPRL=2

NEMOPLU ---------- 8B2A1 MOTOR POWER - LEFT UPPER

type:	numeric (float)		
label:	NEMOPLU		
range:	[1,2]	units:	1
unique values:	2	coded missing:	19 / 1865

tabulation:	Freq.	Numeric	Label
	1823	1	NORMAL
	23	2	ABNORMAL

NEMOPLUA ---------- 8B2A2 ABNORMAL MOTOR POWER LOCATION LU

type:	numeric (float)		
label:	NEMOPLUA		
range:	[1,3]	units:	1
unique values:	3	coded missing:	1842 / 1865

tabulation:	Freq.	Numeric	Label
	1	1	PROXIMAL
	3	2	DISTAL
	19	3	BOTH

NEMOPLUA:
1. Required only if NEMOPLU=2

NEMOPLL ---------- 8B2B1 MOTOR POWER - LEFT LOWER

type:	numeric (float)		
label:	NEMOPLL		
range:	[1,2]	units:	1
unique values:	2	coded missing:	22 / 1865

tabulation:	Freq.	Numeric	Label
	1814	1	NORMAL
	29	2	ABNORMAL

NEMOPLLA ---------- 8B2B2 ABNORMAL MOTOR POWER LOCATION LL

type:	numeric (float)		
label:	NEMOPLLA		
range:	[1,3]	units:	1
unique values:	3	coded missing:	1837 / 1865

tabulation:	Freq.	Numeric	Label
	3	1	PROXIMAL
	2	2	DISTAL
	23	3	BOTH

NEMOPLLA:
1. Required only if NEMOPLL=2

NEDRIFT ---------- 8B3 DOES PATIENT DEMONSTRATE DRIFT

type:	numeric (float)		
label:	NEDRIFT		
range:	[1,2]	units:	1
unique values:	2	coded missing:	609 / 1865

tabulation:	Freq.	Numeric	Label
	1247	1	NO
	9	2	YES

NEDRIFT:
1. Required only if NEVERS='G'

NEDRIFTL ---------- 8B31 LOCATION OF DRIFT

type:	numeric (float)		
label:	NEDRIFTL		
range:	[1,2]	units:	1
unique values:	2	coded missing:	1856 / 1865

tabulation:	Freq.	Numeric	Label
	6	1	RIGHT ARM
	3	2	LEFT ARM

NEDRIFTL:
1. Required only if NEDRIFT=2

NEINVRU ---------- 8C1A INVOLUNTARY MOVEMENT - RIGHT UPPER

type:	numeric (float)		
label:	NEINVRU		
range:	[1,2]	units:	1
unique values:	2	coded missing:	15 / 1865

tabulation:	Freq.	Numeric	Label
	1842	1	NO
	8	2	YES

NEINVLU ---------- 8C2A INVOLUNTARY MOVEMENT - LEFT UPPER

type:	numeric (float)		
label:	NEINVLU		
range:	[1,2]	units:	1
unique values:	2	coded missing:	24 / 1865

tabulation:	Freq.	Numeric	Label
	1840	1	NO
	1	2	YES

NEINVRL ---------- 8C1B INVOLUNTARY MOVEMENT - RIGHT LOWER

type:	numeric (float)		
label:	NEINVRL		
range:	[1,2]	units:	1
unique values:	2	coded missing:	15 / 1865

tabulation:	Freq.	Numeric	Label
	1849	1	NO
	1	2	YES

NEINVLL ---------- 8C2B INVOLUNTARY MOVEMENT - LEFT LOWER

type:	numeric (float)		
label:	NEINVLL		
range:	[1,2]	units:	1
unique values:	2	coded missing:	26 / 1865

tabulation:	Freq.	Numeric	Label
	1838	1	NO
	1	2	YES

NERMBRG ---------- 8D ROMBERG

type:	numeric (float)		
label:	NERMBRG		
range:	[1,3]	units:	1
unique values:	3	coded missing:	44 / 1865

tabulation:	Freq.	Numeric	Label
	50	1	POSITIVE
	1641	2	NEGATIVE
	130	3	NOT TESTED

NEGAIT ---------- 8E DESCRIBE PTS COORDINATION & GAIT **GROUPED**

SEE PAGE 5

type:	numeric (float)		
label:	NEGAIT		
range:	[1,32]	units:	1
unique values:	8	coded missing:	16 / 1865

tabulation:	Freq.	Numeric	Label
	2	1	UNABLE TO WALK(1)
	19	2	BROAD BASED(2)
	61	4	LIMP(4)
	2	6	
	4	8	ATAXIC(8)
	2	12	
	6	16	NOT TESTED(16)
	1753	32	NORMAL(32)

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

NELIMP ---------- 8E1 GAIT & COORDINATION - LIMP

type:	numeric (float)		
label:	NELIMP		
range:	[1,3]	units:	1
unique values:	3	coded missing:	1801 / 1865

tabulation:	Freq.	Numeric	Label
	41	1	RIGHT
	22	2	LEFT
	1	3	BOTH

NELIMP:
1. Required only if (NEGAIT > 4 and < 8) or (NEGAIT >= 12 and < 16)

NECRBFNR ---------- 91A UPPER FINGER - NOSE - RIGHT

type:	numeric (float)		
label:	NECRBFNR		
range:	[1,2]	units:	1
unique values:	2	coded missing:	43 / 1865

tabulation:	Freq.	Numeric	Label
	1793	1	NORMAL
	29	2	ABNORMAL

NECRBFNL ---------- 92A UPPER FINGER - NOSE - LEFT

type:	numeric (float)		
label:	NECRBFNL		
range:	[1,2]	units:	1
unique values:	2	coded missing:	42 / 1865

tabulation:	Freq.	Numeric	Label
	1806	1	NORMAL
	17	2	ABNORMAL

NECRBHSR ---------- 91B LOWER HEEL - SHIN - RIGHT

type:	numeric (float)		
label:	NECRBHSR		
range:	[1,2]	units:	1
unique values:	2	coded missing:	55 / 1865

tabulation:	Freq.	Numeric	Label
	1766	1	NORMAL
	44	2	ABNORMAL

NECRBHSL ---------- 92B LOWER HEEL - SHIN - LEFT

type:	numeric (float)		
label:	NECRBHSL		
range:	[1,2]	units:	1
unique values:	2	coded missing:	53 / 1865

tabulation:	Freq.	Numeric	Label
	1769	1	NORMAL
	43	2	ABNORMAL

NECRBRMR ---------- 91C RAPID ALTERNATING MOVEMENT - RIGHT

type:	numeric (float)		
label:	NECRBRMR		
range:	[1,2]	units:	1
unique values:	2	coded missing:	48 / 1865

tabulation:	Freq.	Numeric	Label
	1738	1	NORMAL
	79	2	ABNORMAL

NECRBRML ---------- 92C RAPID ALTERNATING MOVEMENT - LEFT

type:	numeric (float)		
label:	NECRBRML		
range:	[1,2]	units:	1
unique values:	2	coded missing:	47 / 1865

tabulation:	Freq.	Numeric	Label
	1751	1	NORMAL
	67	2	ABNORMAL

NEBICR ---------- 10A1A1 RIGHT BICEP REFLEX CODE

type:	numeric (float)		
label:	NEBICR		
range:	[1,4]	units:	1
unique values:	4	coded missing:	21 / 1865

tabulation:	Freq.	Numeric	Label
	1726	1	NORMAL
	33	2	HYPERACTIVE
	52	3	ABSENT/HYPOACTIVE
	33	4	NOT TESTED

NEBICRC ---------- 10A1A2 RIGHT BICEP CLONUS CODE

type:	numeric (float)		
label:	NEBICRC		
range:	[1,4]	units:	1
unique values:	3	coded missing:	620 / 1865

tabulation:	Freq.	Numeric	Label
	1068	1	NO
	2	2	YES, <=3 BEATS
	175	4	NOT TESTED

NEBICRC:
1. Required only if NEVERS='G'

NETRICR ---------- 10A1B1 RIGHT TRICEP REFLEX CODE

type:	numeric (float)		
label:	NETRICR		
range:	[1,4]	units:	1
unique values:	4	coded missing:	25 / 1865

tabulation:	Freq.	Numeric	Label
	1699	1	NORMAL
	29	2	HYPERACTIVE
	56	3	ABSENT/HYPOACTIVE
	56	4	NOT TESTED

NETRICRC ---------- 10A1B2 RIGHT TRICEP CLONUS CODE

type:	numeric (float)		
label:	NETRICRC		
range:	[1,4]	units:	1
unique values:	3	coded missing:	622 / 1865

tabulation:	Freq.	Numeric	Label
	1053	1	NO
	1	2	YES, <=3 BEATS
	189	4	NOT TESTED

NETRICRC:
1. Required only if NEVERS='G'

NEULNR ---------- 10A1C1 RIGHT ULNAR REFLEX CODE

type:	numeric (float)		
label:	NEULNR		
range:	[1,4]	units:	1
unique values:	4	coded missing:	35 / 1865

tabulation:	Freq.	Numeric	Label
	1640	1	NORMAL
	25	2	HYPERACTIVE
	59	3	ABSENT/HYPOACTIVE
	106	4	NOT TESTED

NEULNRC ---------- 10A1C2 RIGHT ULNAR CLONUS CODE

type:	numeric (float)		
label:	NEULNRC		
range:	[1,4]	units:	1
unique values:	3	coded missing:	622 / 1865

tabulation:	Freq.	Numeric	Label
	1038	1	NO
	2	2	YES, <=3 BEATS
	203	4	NOT TESTED

NEULNRC:
1. Required only if NEVERS='G'

NERADR ---------- 10A1D1 RIGHT RADIAL REFLEX CODE

type:	numeric (float)		
label:	NERADR		
range:	[1,4]	units:	1
unique values:	4	coded missing:	30 / 1865

tabulation:	Freq.	Numeric	Label
	1685	1	NORMAL
	28	2	HYPERACTIVE
	50	3	ABSENT/HYPOACTIVE
	72	4	NOT TESTED

NERADRC ---------- 10A1D2 RIGHT RADIAL CLONUS CODE

type:	numeric (float)		
label:	NERADRC		
range:	[1,4]	units:	1
unique values:	3	coded missing:	622 / 1865

tabulation:	Freq.	Numeric	Label
	1054	1	NO
	1	2	YES, <=3 BEATS
	188	4	NOT TESTED

NERADRC:
1. Required only if NEVERS='G'

NEKNEER ---------- 10A1E1 RIGHT KNEE REFLEX CODE

type:	numeric (float)		
label:	NEKNEER		
range:	[1,4]	units:	1
unique values:	4	coded missing:	18 / 1865

tabulation:	Freq.	Numeric	Label
	1705	1	NORMAL
	53	2	HYPERACTIVE
	66	3	ABSENT/HYPOACTIVE
	23	4	NOT TESTED

NEKNEERC ---------- 10A1E2 RIGHT KNEE CLONUS CODE

type:	numeric (float)		
label:	NEKNEERC		
range:	[1,4]	units:	1
unique values:	3	coded missing:	622 / 1865

tabulation:	Freq.	Numeric	Label
	1083	1	NO
	1	2	YES, <=3 BEATS
	159	4	NOT TESTED

NEKNEERC:
1. Required only if NEVERS='G'

NEANKLR ---------- 10A1F1 RIGHT ANKLE REFLEX CODE

type:	numeric (float)		
label:	NEANKLR		
range:	[1,4]	units:	1
unique values:	4	coded missing:	21 / 1865

tabulation:	Freq.	Numeric	Label
	1698	1	NORMAL
	42	2	HYPERACTIVE
	54	3	ABSENT/HYPOACTIVE
	50	4	NOT TESTED

NEANKLRC ---------- 10A1F2 RIGHT ANKLE CLONUS CODE

type:	numeric (float)		
label:	NEANKLRC		
range:	[1,4]	units:	1
unique values:	4	coded missing:	621 / 1865

tabulation:	Freq.	Numeric	Label
	1088	1	NO
	6	2	YES, <=3 BEATS
	2	3	YES, >3 BEATS
	148	4	NOT TESTED

NEANKLRC:
1. Required only if NEVERS='G'

NEBICL ---------- 10A2A1 LEFT BICEP REFLEX CODE

type:	numeric (float)		
label:	NEBICL		
range:	[1,4]	units:	1
unique values:	4	coded missing:	18 / 1865

tabulation:	Freq.	Numeric	Label
	1735	1	NORMAL
	37	2	HYPERACTIVE
	40	3	ABSENT/HYPOACTIVE
	35	4	NOT TESTED

NEBICLC ---------- 10A2A2 LEFT BICEP CLONUS CODE

type:	numeric (float)		
label:	NEBICLC		
range:	[1,4]	units:	1
unique values:	3	coded missing:	621 / 1865

tabulation:	Freq.	Numeric	Label
	1062	1	NO
	1	2	YES, <=3 BEATS
	181	4	NOT TESTED

NEBICLC:
1. Required only if NEVERS='G'

NETRICL ---------- 10A2B1 LEFT TRICEP REFLEX CODE

type:	numeric (float)		
label:	NETRICL		
range:	[1,4]	units:	1
unique values:	4	coded missing:	22 / 1865

tabulation:	Freq.	Numeric	Label
	1711	1	NORMAL
	30	2	HYPERACTIVE
	45	3	ABSENT/HYPOACTIVE
	57	4	NOT TESTED

NETRICLC ---------- 10A2B2 LEFT TRICEP CLONUS CODE

type:	numeric (float)		
label:	NETRICLC		
range:	[1,4]	units:	1
unique values:	3	coded missing:	621 / 1865

tabulation:	Freq.	Numeric	Label
	1051	1	NO
	1	2	YES, <=3 BEATS
	192	4	NOT TESTED

NETRICLC:
1. Required only if NEVERS='G'

NEULNL ---------- 10A2C1 LEFT ULNAR REFLEX CODE

type:	numeric (float)		
label:	NEULNL		
range:	[1,4]	units:	1
unique values:	4	coded missing:	32 / 1865

tabulation:	Freq.	Numeric	Label
	1652	1	NORMAL
	28	2	HYPERACTIVE
	48	3	ABSENT/HYPOACTIVE
	105	4	NOT TESTED

NEULNLC ---------- 10A2C2 LEFT ULNAR CLONUS CODE

type:	numeric (float)		
label:	NEULNLC		
range:	[1,4]	units:	1
unique values:	3	coded missing:	622 / 1865

tabulation:	Freq.	Numeric	Label
	1035	1	NO
	1	2	YES, <=3 BEATS
	207	4	NOT TESTED

NEULNLC:
1. Required only if NEVERS='G'

NERADL ---------- 10A2D1 LEFT RADIAL REFLEX CODE

type:	numeric (float)		
label:	NERADL		
range:	[1,4]	units:	1
unique values:	4	coded missing:	26 / 1865

tabulation:	Freq.	Numeric	Label
	1697	1	NORMAL
	28	2	HYPERACTIVE
	44	3	ABSENT/HYPOACTIVE
	70	4	NOT TESTED

NERADLC ---------- 10A2D2 LEFT RADIAL CLONUS CODE

type:	numeric (float)		
label:	NERADLC		
range:	[1,4]	units:	1
unique values:	3	coded missing:	621 / 1865

tabulation:	Freq.	Numeric	Label
	1055	1	NO
	1	2	YES, <=3 BEATS
	188	4	NOT TESTED

NERADLC:
1. Required only if NEVERS='G'

NEKNEEL ---------- 10A2E1 LEFT KNEE REFLEX CODE

type:	numeric (float)		
label:	NEKNEEL		
range:	[1,4]	units:	1
unique values:	4	coded missing:	20 / 1865

tabulation:	Freq.	Numeric	Label
	1705	1	NORMAL
	60	2	HYPERACTIVE
	56	3	ABSENT/HYPOACTIVE
	24	4	NOT TESTED

NEKNEELC ---------- 10A2E2 LEFT KNEE CLONUS CODE

type:	numeric (float)		
label:	NEKNEELC		
range:	[1,4]	units:	1
unique values:	3	coded missing:	623 / 1865

tabulation:	Freq.	Numeric	Label
	1082	1	NO
	1	2	YES, <=3 BEATS
	159	4	NOT TESTED

NEKNEELC:
1. Required only if NEVERS='G'

NEANKLL ---------- 10A2F1 LEFT ANKLE REFLEX CODE

type:	numeric (float)		
label:	NEANKLL		
range:	[1,4]	units:	1
unique values:	4	coded missing:	23 / 1865

tabulation:	Freq.	Numeric	Label
	1701	1	NORMAL
	48	2	HYPERACTIVE
	44	3	ABSENT/HYPOACTIVE
	49	4	NOT TESTED

NEANKLLC ---------- 10A2F2 LEFT ANKLE CLONUS CODE

type:	numeric (float)		
label:	NEANKLLC		
range:	[1,4]	units:	1
unique values:	4	coded missing:	622 / 1865

tabulation:	Freq.	Numeric	Label
	1086	1	NO
	7	2	YES, <=3 BEATS
	2	3	YES, >3 BEATS
	148	4	NOT TESTED

NEANKLLC:
1. Required only if NEVERS='G'

NEPLNRR ---------- 10B1 PLANTAR REFLEXES - RIGHT

type:	numeric (float)		
label:	NEPLNRR		
range:	[1,4]	units:	1
unique values:	4	coded missing:	19 / 1865

tabulation:	Freq.	Numeric	Label
	1754	1	NORMAL
	19	2	ABNORMAL
	70	3	NOT TESTED
	3	4	CLONUS

NEPLNRR:
1. '4-CLONUS' was not a response choice on version (NEVERS)='G'

NEPLNRL ---------- 10B2 PLANTAR REFLEXES - LEFT

type:	numeric (float)		
label:	NEPLNRL		
range:	[1,4]	units:	1
unique values:	4	coded missing:	20 / 1865

tabulation:	Freq.	Numeric	Label
	1758	1	NORMAL
	14	2	ABNORMAL
	71	3	NOT TESTED
	2	4	CLONUS

NEPLNRL:
1. '4-CLONUS' was not a response choice on version (NEVERS)='G'

NEARMLTA ---------- 11A TACTILE SENSATION LEFT ARM/HAND

type:	numeric (float)		
label:	NEARMLTA		
range:	[1,3]	units:	1
unique values:	3	coded missing:	15 / 1865

tabulation:	Freq.	Numeric	Label
	1790	1	NORMAL
	3	2	ABNORMAL
	57	3	NOT TESTED

NEARMRTA ---------- 11B TACTILE SENSATION RIGHT ARM/HAND

type:	numeric (float)		
label:	NEARMRTA		
range:	[1,3]	units:	1
unique values:	3	coded missing:	15 / 1865

tabulation:	Freq.	Numeric	Label
	1787	1	NORMAL
	6	2	ABNORMAL
	57	3	NOT TESTED

NELEGLTA ---------- 11C TACTILE SENSATION LEFT LEG/FOOT

type:	numeric (float)		
label:	NELEGLTA		
range:	[1,3]	units:	1
unique values:	3	coded missing:	15 / 1865

tabulation:	Freq.	Numeric	Label
	1777	1	NORMAL
	4	2	ABNORMAL
	69	3	NOT TESTED

NELEGRTA ---------- 11D TACTILE SENSATION RIGHT LEG/FOOT

type:	numeric (float)		
label:	NELEGRTA		
range:	[1,3]	units:	1
unique values:	3	coded missing:	15 / 1865

tabulation:	Freq.	Numeric	Label
	1777	1	NORMAL
	4	2	ABNORMAL
	69	3	NOT TESTED

NETRKLTA ---------- 11E TACTILE SENSATION LEFT TRUNK

type:	numeric (float)		
label:	NETRKLTA		
range:	[1,3]	units:	1
unique values:	3	coded missing:	15 / 1865

tabulation:	Freq.	Numeric	Label
	1773	1	NORMAL
	1	2	ABNORMAL
	76	3	NOT TESTED

NETRKRTA ---------- 11F TACTILE SENSATION RIGHT TRUNK

type:	numeric (float)		
label:	NETRKRTA		
range:	[1,3]	units:	1
unique values:	3	coded missing:	15 / 1865

tabulation:	Freq.	Numeric	Label
	1772	1	NORMAL
	2	2	ABNORMAL
	76	3	NOT TESTED

```
NETRNSC ---------------------------------- DATA TRANSCRIBED FROM OLDER VERSION
                  type:  numeric (float)
                 label:  NETRNSC

                 range:  [1,2]                       units:  1
         unique values:  2                   coded missing:  581 / 1865

            tabulation:  Freq.   Numeric  Label
                          1243         1  NO
                            41         2  YES
NETRNSC:
  1.  Required only if NEVERS='G'


NEOVERS ----------------------------------------- VERSION DATA TRANSCRIBED FROM
                  type:  string (str2)

         unique values:  3                   coded missing:  0 / 1865

            tabulation:  Freq.  Value
                         1824  "-7"
                           24  "E"
                           17  "F"
NEOVERS:
  1.  Required only if NETRNSC=2
```

```
NEINFCT ---------------------------------------- >=10 YRS DESC PTS INTELLECT
                 type:  numeric (float)
                label:  NEINFCT
                range:  [1,4]                        units:  1
         unique values:  4                    coded missing:  1634 / 1865

            tabulation:  Freq.   Numeric  Label
                           218         1  NORMAL
                             1         2  DISORIENTED
                             8         3  INAPPROPRIATE BEHAVIOR
                             4         4  NOT TESTED
NEINFCT:
  1.  Not collected on version 'G'
  2.  Required only if age >= 10 if version NE 'G'


NELNFCB ------------------------------ <10 YRS LANG FUNCT DEFICITS NOTED (PH2)
                 type:  numeric (float)
                label:  NELNFCB
                range:  [1,2]                        units:  1
         unique values:  2                    coded missing:  1494 / 1865

            tabulation:  Freq.   Numeric  Label
                           339         1  NO
                            32         2  YES
NELNFCB:
  1.  Not collected on version 'G'
  2.  Required only if age < 10 if version NE 'G'


NELNFCBT ------------------------------- LANGUAGE DEFICITS NOTED SPECIFY (PH2)DELETED
                 type:  string (str20)
         unique values:  27                   coded missing:  0 / 1865

tabulation:
Freq.  Value                                    Freq.  Value
    2  "."                                          1  "LISP"
    3  "B"                                          1  "PROB EXPRESS APHASIA"
 1835  "C"                                          1  "PRONUNCIATION DT CVA"
    1  "7A.1;7B.1;7E;8C;9A.1"                       1  "PUPILLARY RESPONSE"
    1  "9 A.2E"                                     1  "RAPID ALTRN MOVMNTS"
    1  "COMPREH+EXPRESS DEF"                        1  "REFUSES TO TALK.NODS"
    1  "COMPRHENS & EXPRESS"                        1  "SEV.MENTAL RETRDTION"
    1  "DIFFICULT READ&WRITE"                       1  "SEVERE MENTAL REDARD"
    1  "ERRORS IN LANG.EXPRE"                       1  "SLIGHT SLURRD SPEECH"
    1  "GLOBAL APHASIA"                             1  "SLOW COMP/EXPRESSION"
    1  "HAND-EYE COORDINAT."                        1  "SLOW SPEECH; WK VOC."
    1  "HEARING"                                    2  "SLURRED SPEECH"
    1  "LEARNING DISABILITY"                        1  "SPEECH DEFICIT"
                                                    1  "TONE;ACUITY;R UP EXT"
NELNFCBT:
  1.  Required only if NELNFCB=2
```

NELNFCC ---------- CHANGE FROM PREVIOUS LANG FUNCT (PH2)

type:	numeric (float)		
label:	NELNFCC		
range:	[1,3]	units:	1
unique values:	3	coded missing:	1454 / 1865

tabulation:

Freq.	Numeric	Label
368	1	NO-SAME
23	2	YES-WORSENED
20	3	YES-IMPROVED

NELNFCC:
1. Not collected on version 'G'
2. Required only if repeat exam if version NE 'G'

NEVSACR ---------- VISUAL ACUITY - RIGHT

type: string (str7)

unique values: 6 coded missing: 0 / 1865

tabulation:

Freq.	Value
1	"."
12	"A"
1284	"C"
60	"ABNORML"
82	"NO TEST"
426	"NORMAL"

NEVSACR:
1. Not collected on version 'G'
2. Also see NEVAR

NEVSACL ---------- VISUAL ACUITY - LEFT

type: string (str7)

unique values: 5 coded missing: 0 / 1865

tabulation:

Freq.	Value
12	"A"
1284	"C"
49	"ABNORML"
81	"NO TEST"
439	"NORMAL"

NEVSACL:
1. Not collected on version 'G'
2. Also see NEVAL

NEBLINDR ---------- ABNORM VIS ACUITY-PT BLIND RT EYE (PH2)

type: numeric (float)
label: NEBLINDR

range: [1,2] units: 1
unique values: 2 coded missing: 1766 / 1865

tabulation:

Freq.	Numeric	Label
98	1	NO
1	2	YES

NEBLINDR:
1. Not collected on version 'G'
2. Required only if NEVSACR='ABNORML' if version NE 'G'

NEBLINDL ---------- ABNORM VIS ACUITY-PT BLIND LFT EYE (PH2)

type:	numeric (float)		
label:	NEBLINDL		
range:	[1,2]	units:	1
unique values:	2	coded missing:	1777 / 1865

tabulation:	Freq.	Numeric	Label
	83	1	NO
	5	2	YES

NEBLINDL:
1. Not collected on version 'G'
2. Required only if NEVSACL='ABNORML' if version NE 'G'

NECRNRR ---------- CORNEAL REFLEX - RIGHT EYE

type:	numeric (float)		
label:	NECRNRR		
range:	[1,3]	units:	1
unique values:	3	coded missing:	1297 / 1865

tabulation:	Freq.	Numeric	Label
	369	1	NORMAL
	2	2	ABNORMAL
	197	3	NOT TESTED

NECRNRR:
1. Not collected on version 'G'

NECRNRL ---------- CORNEAL REFLEX - LEFT EYE

type:	numeric (float)		
label:	NECRNRL		
range:	[1,3]	units:	1
unique values:	3	coded missing:	1297 / 1865

tabulation:	Freq.	Numeric	Label
	368	1	NORMAL
	3	2	ABNORMAL
	197	3	NOT TESTED

NECRNRL:
1. Not collected on version 'G'

```
NEWEBERR ------------------------------------------------- WEBER TEST - RIGHT
                 type:  numeric (float)
                label:  NEWEBERR
                range:  [1,3]                        units:  1
         unique values:  3                    coded missing:  1296 / 1865

            tabulation:  Freq.   Numeric  Label
                            68         1  NORMAL
                             5         2  ABNORMAL
                           496         3  NOT TESTED
NEWEBERR:
  1.  Not collected on version 'G'

NEWEBERL ------------------------------------------------- WEBER TEST - LEFT
                 type:  numeric (float)
                label:  NEWEBERL
                range:  [1,3]                        units:  1
         unique values:  3                    coded missing:  1295 / 1865

            tabulation:  Freq.   Numeric  Label
                            68         1  NORMAL
                             6         2  ABNORMAL
                           496         3  NOT TESTED
NEWEBERL:
  1.  Not collected on version 'G'

NERINNER ------------------------------------------------- RINNE TEST - RIGHT
                 type:  numeric (float)
                label:  NERINNER
                range:  [1,3]                        units:  1
         unique values:  3                    coded missing:  1295 / 1865

            tabulation:  Freq.   Numeric  Label
                            67         1  NORMAL
                             7         2  ABNORMAL
                           496         3  NOT TESTED
NERINNER:
  1.  Not collected on version 'G'

NERINNEL ------------------------------------------------- RINNE TEST - LEFT
                 type:  numeric (float)
                label:  NERINNEL
                range:  [1,3]                        units:  1
         unique values:  3                    coded missing:  1295 / 1865

            tabulation:  Freq.   Numeric  Label
                            68         1  NORMAL
                             6         2  ABNORMAL
                           496         3  NOT TESTED
NERINNEL:
  1.  Not collected on version 'G'
```

NEARMLPN ---------- SENSORY LEFT ARM/HAND PAIN

type:	numeric (float)		
label:	NEARMLPN		
range:	[1,3]	units:	1
unique values:	2	coded missing:	1297 / 1865

tabulation:	Freq.	Numeric	Label
	537	1	NORMAL
	31	3	NOT TESTED

NEARMLPN:
1. Not collected on version 'G'

NEARMLVB ---------- SENSORY LEFT ARM/HAND VIBRATION

type:	numeric (float)		
label:	NEARMLVB		
range:	[1,3]	units:	1
unique values:	2	coded missing:	1298 / 1865

tabulation:	Freq.	Numeric	Label
	475	1	NORMAL
	92	3	NOT TESTED

NEARMLVB:
1. Not collected on version 'G'

NEARMLPO ---------- SENSORY LEFT ARM/HAND POSITION

type:	numeric (float)		
label:	NEARMLPO		
range:	[1,3]	units:	1
unique values:	3	coded missing:	1297 / 1865

tabulation:	Freq.	Numeric	Label
	509	1	NORMAL
	2	2	ABNORMAL
	57	3	NOT TESTED

NEARMLPO:
1. Not collected on version 'G'

NEARMRPN ---------- SENSORY RIGHT ARM/HAND PAIN

type:	numeric (float)		
label:	NEARMRPN		
range:	[1,3]	units:	1
unique values:	3	coded missing:	1297 / 1865

tabulation:	Freq.	Numeric	Label
	536	1	NORMAL
	1	2	ABNORMAL
	31	3	NOT TESTED

NEARMRPN:
1. Not collected on version 'G'

NEARMRVB ---------- SENSORY RIGHT ARM/HAND VIBRATION

type:	numeric (float)		
label:	NEARMRVB		
range:	[1,3]	units:	1
unique values:	3	coded missing:	1298 / 1865

tabulation:	Freq.	Numeric	Label
	472	1	NORMAL
	3	2	ABNORMAL
	92	3	NOT TESTED

NEARMRVB:
1. Not collected on version 'G'

NEARMRPO ---------- SENSORY RIGHT ARM/HAND POSITION

type:	numeric (float)		
label:	NEARMRPO		
range:	[1,3]	units:	1
unique values:	3	coded missing:	1297 / 1865

tabulation:	Freq.	Numeric	Label
	504	1	NORMAL
	6	2	ABNORMAL
	58	3	NOT TESTED

NEARMRPO:
1. Not collected on version 'G'

NELEGLPN ---------- SENSORY LEFT LEG/FOOT PAIN

type:	numeric (float)		
label:	NELEGLPN		
range:	[1,3]	units:	1
unique values:	3	coded missing:	1298 / 1865

tabulation:	Freq.	Numeric	Label
	534	1	NORMAL
	1	2	ABNORMAL
	32	3	NOT TESTED

NELEGLPN:
1. Not collected on version 'G'

NELEGLVB ---------- SENSORY LEFT LEG/FOOT VIBRATION

type:	numeric (float)		
label:	NELEGLVB		
range:	[1,3]	units:	1
unique values:	2	coded missing:	1298 / 1865

tabulation:	Freq.	Numeric	Label
	474	1	NORMAL
	93	3	NOT TESTED

NELEGLVB:
1. Not collected on version 'G'

NELEGLPO ---------- SENSORY LEFT LEG/FOOT POSITION

type:	numeric (float)		
label:	NELEGLPO		
range:	[1,3]	units:	1
unique values:	3	coded missing:	1297 / 1865

tabulation:	Freq.	Numeric	Label
	508	1	NORMAL
	6	2	ABNORMAL
	54	3	NOT TESTED

NELEGLPO:
1. Not collected on version 'G'

NELEGRPN ---------- SENSORY RIGHT LEG/FOOT PAIN

type:	numeric (float)		
label:	NELEGRPN		
range:	[1,3]	units:	1
unique values:	3	coded missing:	1297 / 1865

tabulation:	Freq.	Numeric	Label
	535	1	NORMAL
	1	2	ABNORMAL
	32	3	NOT TESTED

NELEGRPN:
1. Not collected on version 'G'

NELEGRVB ---------- SENSORY RIGHT LEG/FOOT VIBRATION

type:	numeric (float)		
label:	NELEGRVB		
range:	[1,3]	units:	1
unique values:	3	coded missing:	1298 / 1865

tabulation:	Freq.	Numeric	Label
	470	1	NORMAL
	4	2	ABNORMAL
	93	3	NOT TESTED

NELEGRVB:
1. Not collected on version 'G'

NELEGRPO ---------- SENSORY RIGHT LEG/FOOT POSITION

type:	numeric (float)		
label:	NELEGRPO		
range:	[1,3]	units:	1
unique values:	3	coded missing:	1297 / 1865

tabulation:	Freq.	Numeric	Label
	507	1	NORMAL
	7	2	ABNORMAL
	54	3	NOT TESTED

NELEGRPO:
1. Not collected on version 'G'

```
NETRKLPN ---------------------------------------------- SENSORY LEFT TRUNK PAIN
                 type:  numeric (float)
                label:  NETRKLPN

                range:  [1,3]                        units:  1
        unique values:  2                    coded missing:  1297 / 1865

           tabulation:  Freq.   Numeric  Label
                          535         1  NORMAL
                           33         3  NOT TESTED

NETRKLPN:
  1.  Not collected on version 'G'


NETRKLVB ----------------------------------------- SENSORY LEFT TRUNK VIBRATION
                 type:  numeric (float)
                label:  NETRKLVB

                range:  [1,3]                        units:  1
        unique values:  2                    coded missing:  1298 / 1865

           tabulation:  Freq.   Numeric  Label
                          456         1  NORMAL
                          111         3  NOT TESTED

NETRKLVB:
  1.  Not collected on version 'G'


NETRKLPO ---------------------------------------- SENSORY LEFT TRUNK POSITION
                 type:  numeric (float)
                label:  NETRKLPO

                range:  [1,3]                        units:  1
        unique values:  3                    coded missing:  1297 / 1865

           tabulation:  Freq.   Numeric  Label
                          440         1  NORMAL
                            4         2  ABNORMAL
                          124         3  NOT TESTED

NETRKLPO:
  1.  Not collected on version 'G'
```

NETRKRPN ---------- SENSORY RIGHT TRUNK PAIN

type:	numeric (float)		
label:	NETRKRPN		
range:	[1,3]	units:	1
unique values:	2	coded missing:	1297 / 1865

tabulation:

Freq.	Numeric	Label
535	1	NORMAL
33	3	NOT TESTED

NETRKRPN:
1. Not collected on version 'G'

NETRKRVB ---------- SENSORY RIGHT TRUNK VIBRATION

type:	numeric (float)		
label:	NETRKRVB		
range:	[1,3]	units:	1
unique values:	2	coded missing:	1298 / 1865

tabulation:

Freq.	Numeric	Label
456	1	NORMAL
111	3	NOT TESTED

NETRKRVB:
1. Not collected on version 'G'

NETRKRPO ---------- SENSORY RIGHT TRUNK POSITION

type:	numeric (float)		
label:	NETRKRPO		
range:	[1,3]	units:	1
unique values:	3	coded missing:	1298 / 1865

tabulation:

Freq.	Numeric	Label
438	1	NORMAL
6	2	ABNORMAL
123	3	NOT TESTED

NETRKRPO:
1. Not collected on version 'G'

NESADLPN ---------- SENSORY LEFT SADDLE PAIN

type:	numeric (float)		
label:	NESADLPN		
range:	[1,3]	units:	1
unique values:	2	coded missing:	1297 / 1865

tabulation:	Freq.	Numeric	Label
	516	1	NORMAL
	52	3	NOT TESTED

NESADLPN:
1. Not collected on version 'G'

NESADLVB ---------- SENSORY LEFT SADDLE VIBRATION

type:	numeric (float)		
label:	NESADLVB		
range:	[1,3]	units:	1
unique values:	2	coded missing:	1298 / 1865

tabulation:	Freq.	Numeric	Label
	444	1	NORMAL
	123	3	NOT TESTED

NESADLVB:
1. Not collected on version 'G'

NESADLPO ---------- SENSORY LEFT SADDLE POSITION

type:	numeric (float)		
label:	NESADLPO		
range:	[1,3]	units:	1
unique values:	3	coded missing:	1297 / 1865

tabulation:	Freq.	Numeric	Label
	429	1	NORMAL
	4	2	ABNORMAL
	135	3	NOT TESTED

NESADLPO:
1. Not collected on version 'G'

NESADLTA ---------- SENSORY LEFT SADDLE TACTILE

type:	numeric (float)		
label:	NESADLTA		
range:	[1,3]	units:	1
unique values:	3	coded missing:	1298 / 1865

tabulation:	Freq.	Numeric	Label
	520	1	NORMAL
	1	2	ABNORMAL
	46	3	NOT TESTED

NESADLTA:
1. Not collected on version 'G'

NESADRPN ---------- SENSORY RIGHT SADDLE PAIN

type:	numeric (float)		
label:	NESADRPN		
range:	[1,3]	units:	1
unique values:	2	coded missing:	1297 / 1865

tabulation:	Freq.	Numeric	Label
	515	1	NORMAL
	53	3	NOT TESTED

NESADRPN:
1. Not collected on version 'G'

NESADRVB ---------- SENSORY RIGHT SADDLE VIBRATION

type:	numeric (float)		
label:	NESADRVB		
range:	[1,3]	units:	1
unique values:	2	coded missing:	1298 / 1865

tabulation:	Freq.	Numeric	Label
	443	1	NORMAL
	124	3	NOT TESTED

NESADRVB:
1. Not collected on version 'G'

```
NESADRPO ---------------------------------------- SENSORY RIGHT SADDLE POSITION
                  type:  numeric (float)
                 label:  NESADRPO

                 range:  [1,3]                        units:  1
         unique values:  3                    coded missing:  1297 / 1865

            tabulation:  Freq.   Numeric  Label
                           426         1  NORMAL
                             7         2  ABNORMAL
                           135         3  NOT TESTED

NESADRPO:
  1.  Not collected on version 'G'


NESADRTA ---------------------------------------- SENSORY RIGHT SADDLE TACTILE
                  type:  numeric (float)
                 label:  NESADRTA

                 range:  [1,3]                        units:  1
         unique values:  3                    coded missing:  1297 / 1865

            tabulation:  Freq.   Numeric  Label
                           520         1  NORMAL
                             1         2  ABNORMAL
                            47         3  NOT TESTED

NESADRTA:
  1.  Not collected on version 'G'

_dta:
  1.  Codebook created 1/10/00
```