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NACC Neuropathology (NP) Data Element Dictionary

(Version 9.1, September 2008)

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NACC Neuropathology Data Element Dictionary

The format of the Data Element Dictionary is similar to that in the UDS manual. **Variable names** are indicated in **blue**. **Changes** are highlighted in **red** (NOTE: *changes for version 9 and version 8 are included, due to the short time lapse between the implementation dates*).

Each box includes the following information:

Variable Number – Indicates order of appearance on the Neuropathology form.

Variable Name – For non-fixed-format files, variable name must match exactly.

Short Descriptor – Used on the web page to indicate variable.

NP Question – The question as it appears on the Neuropathology Data Form.

Length of Field – For fixed field formats, number of columns for this variable.

Column Positions – For fixed field formats, the column numbers for this variable.

SAS Variable Type – For non-fixed field formats, variable type as numerical or character.

SAS Variable Length – For non-fixed field formats, variable length.

Allowable Values – List of values with mapping instructions.

Skips and Blanks – Instructions for skip patterns.

Comments – Other instructions as needed.

NOTE: All data elements are required except NPID.

Variable Number	0
Variable Name	ADCID
Short Descriptor	Center
NP Question	Center ID
Length of Field	2
Column Positions	1–2
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–38, Use code below as your Center ID:
	1 = Baylor University
	2 = Boston University
	3 = Case Western University
	4 = Columbia University
	5 = Duke University
	6 = Emory University
	7 = Massachusetts ADRC
	8 = Indiana University
	9 = Johns Hopkins University
	10 = Mayo Clinic
	11 = Mount Sinai School of Medicine
	12 = New York University
	13 = Northwestern University
	14 = Oregon Health & Science University
	15 = Rush University
	16 = University of California, Davis
	17 = University of California, Los Angeles
	18 = University of California, San Diego
	19 = University of Kentucky
	20 = University of Michigan
	21 = University of Pennsylvania
	22 = University of Pittsburgh
	23 = University of Rochester
	25 = University of Texas Southwestern
	26 = University of Washington
	27 = Washington University in Saint Louis
	28 = University of Alabama
	30 = University of Southern California
	31 = University of California, Irvine
	32 = Stanford University
	33 = Arizona ADC
	34 = University of Arkansas
	35 = University of California, San Francisco
	36 = Florida ADC
	37 = University of Wisconsin
	38 = University of Kansas
Comment	Note: ADCID is replaced by a randomly generated NACCADC in research data sets generated by NACC.

Variable Number	1
Variable Name	PTID
Short Descriptor	UDS/MDS ID
NP Question	UDS/MDS Patient ID
Length of Field	10
Column Positions	4–13
SAS Variable Type	Character
SAS Variable Length	10
Allowable Values	Follow your center's UDS/MDS Patient ID scheme
Comment	UDS/MDS Patient ID must be unique within data set from your center (no duplicates). UDS/MDS PTID for each subject must be the same at each data submission; UDS/MDS PTID cannot change once it has been assigned by your Center. PTID is the same for a given subject at both the UDS Data Freeze and the Neuropathology Data Submission. NOTE: PTID is replaced by a randomly generated NACCID in research data sets generated by NACC.

Variable Number	2a
Variable Name	NPFORMMO
Short Descriptor	Date Form Completed
NP Question	Date Form Completed: Month
Length of Field	2
Column Positions	15–16
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–12
Comment	Must meet criteria for valid date. If submitting replacement datasets, this is the date the form was originally submitted to NACC, not the current submission date.

Variable Number	2b
Variable Name	NPFORMDY
Short Descriptor	Date Form Completed
NP Question	Date form completed: Day
Length of Field	2
Column Positions	18–19
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–31
Comment	Must meet criteria for valid date. If submitting replacement datasets, this is the date the form was <u>originally</u> submitted to NACC, not the current submission date.

Variable Number	2c
Variable Name	NPFORMYR
Short Descriptor	Date Form Completed
NP Question	Date form completed: Year
Length of Field	4
Column Positions	21–24
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	2001 – current year
Comment	Must meet criteria for valid date. If submitting replacement data sets, this is the date the form was <u>originally</u> submitted to NACC, not the current submission date.

Variable Number	3
Variable Name	NPID
Short Descriptor	Neuropath ID
NP Question	Neuropath ID
Length of Field	10
Column Positions	26–35
SAS Variable Type	Character
SAS Variable Length	10
Allowable Values	Follow your center’s Neuropathology Patient ID scheme
Comment	Neuropath ID number must be unique within data set from your center (no duplicates). NPID for each subject must be the same each time data are submitted or received; NPID cannot change once it has been assigned by your Center.
	NOTE: NPID is an internal variable, not released in any research data set generated by NACC.

Variable Number	4
Variable Name	NPSEX
Short Descriptor	Gender
NP Question	Subject’s sex
Length of Field	1
Column Positions	37
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1 or 2 1 = Male 2 = Female
Comment	Missing (9s) not allowed. Must be same as UDS/MDS data element SEX.

Variable Number	5
Variable Name	NPDAGE
Short Descriptor	Age at Death
NP Question	Age at Death
Length of Field	3
Column Positions	39–41
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	0–130
Comment	NPDAGE must be rounded down (not up). Calculate the death age, then drop any decimal portion. For Example, if the death age is 81.9 then NPDAGE = 81. If death occurs on the birthday, the subject is considered to be one year older.

Variable Number	6a
Variable Name	NPDODMO
Short Descriptor	Date of Death
NP Question	Subject's date of death: Month
Length of Field	2
Column Positions	43–44
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–12
Missing Code	99
Comment	Must be same date as in UDS/MDS. Must meet criteria for valid date. Must be before the NP data form completed (2).

Variable Number	6b
Variable Name	NPDODDY
Short Descriptor	Date of Death
NP Question	Subject's date of death: Day
Length of Field	2
Column Positions	46–47
SAS Variable Type	Numeric
SAS Variable Length	8
Missing Code	99
Allowable Values	1–31
Comment	Must be same date as in UDS/MDS. Must meet criteria for valid date. Must be before the NP data form completed (2).

Variable Number	6c
Variable Name	NPDODYR
Short Descriptor	Date of Death
NP Question	Subject's date of death: Year
Length of Field	4
Column Positions	49–52
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	Cannot precede 1970; in most cases, should not precede 1984.
Comment	Must be same date as in UDS/MDS. Must meet criteria for valid date. Must be before the NP data form completed (2).

Variable Number	7
Variable Name	NPGROSS
Short Descriptor	Brain have G/M Path
NP Question	Does the brain have any gross or microscopic pathology (including any Alzheimer type pathology such as senile plaques and neurofibrillary tangles)?
Length of Field	1
Column Positions	54
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1, 2 1 = Yes 2 = No
Comment	Code 9 (no neuropathology diagnosis available) not allowed. SKIP PATTERN REMOVED

Variable Number	8A
Variable Name	NPNIT
Short Descriptor	NIA/Reagan Ins Crit
NP Question	NIA/Reagan Institute neuropathological criteria used:
Length of Field	1
Column Positions	56
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–5 1 = High likelihood of dementia being due to Alzheimer's disease 2 = Intermediate likelihood of dementia being due to Alzheimer's disease 3 = Low likelihood of dementia being due to Alzheimer's disease 4 = Criteria not met 5 = Not Done
Missing Code	9 = Missing/unknown

Variable Number	8B
Variable Name	NPCERAD
Short Descriptor	CERAD Criteria
NP Question	CERAD neuropathological criteria used:
Length of Field	1
Column Positions	58
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–5 1 = Definite Alzheimer’s disease 2 = Probable Alzheimer’s disease 3 = Possible Alzheimer’s disease 4 = Criteria not met 5 = Not done
Missing Code	9 = Missing/Unknown

Variable Number	8C
Variable Name	NPADRDA
Short Descriptor	ADRDA/Khach Criteria
NP Question	ADRDA/Khachaturian neuropathological criteria used:
Length of Field	1
Column Positions	60
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–3 1 = Alzheimer’s disease 2 = Criteria not met 3 = Not done
Missing Code	9 = Missing/Unknown

Variable Number	8D
Variable Name	NPOCRIT
Short Descriptor	Other Criteria
NP Question	Other or unspecified neuropathological criteria used (e.g., Tierney, etc.):
Length of Field	1
Column Positions	62
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–3 1 = Alzheimer’s disease, unspecified 2 = Criteria not met 3 = Not done
Missing Code	9 = Missing/Unknown

Variable Number	9
Variable Name	NPBRAAK
Short Descriptor	Braak & Braak Stage
NP Question	Braak & Braak Neurofibrillary Stage.
Length of Field	1
Column Positions	64
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–8
	1 = Stage I
	2 = Stage II
	3 = Stage III
	4 = Stage IV
	5 = Stage V
	6 = Stage VI
	7 = Neurofibrillary degeneration not present
	8 = Not assessed
Missing Code	9 = Missing/unknown

Variable Number	10
Variable Name	NPNEUR
Short Descriptor	Neuritic Plaques
NP Question	Neuritic plaques (plaques with argyrophilic dystrophic neurites with or without dense amyloid cores).
Length of Field	1
Column Positions	66
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–5
	1 = Frequent neuritic plaques
	2 = Moderate neuritic plaques
	3 = Sparse neuritic plaques
	4 = No neuritic plaques
	5 = Not assessed
Missing Code	9 = Missing/unknown

Variable Number	11
Variable Name	NPDIFF
Short Descriptor	Diffuse Plaques
NP Question	Diffuse plaques (plaques with non-compact amyloid and no apparent dystrophic neurites).
Length of Field	1
Column Positions	68
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–5 1 = Frequent diffuse plaques 2 = Moderate diffuse plaques 3 = Sparse diffuse plaques 4 = No diffuse plaques 5 = Not assessed
Missing Code	9 = Missing/unknown

Variable Number	12
Variable Name	NPVASC
Short Descriptor	Isch, Hemor, or Vasc
NP Question	Is ischemic, hemorrhagic or vascular pathology present?
Length of Field	1
Column Positions	70
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–3 1 = Yes 2 = No 3 = Not assessed
Missing Code	9 = Missing/Unknown
Comment	SKIP PATTERN REMOVED

Variable Number	12A
Variable Name	NPLINF
Short Descriptor	Large Art Infarcts
NP Question	Are one or more large artery cerebral infarcts present?
Length of Field	1
Column Positions	72
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–3 1 = Yes 2 = No 3 = Not assessed
Missing Code	9 = Missing/unknown

Variable Number	12B
Variable Name	NPMICRO
Short Descriptor	Mult Microinfarcts
NP Question	Are one or more cortical microinfarcts (including “granular atrophy”) present?
Length of Field	1
Column Positions	74
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–3 1 = Yes 2 = No 3 = Not assessed
Missing Code	9 = Missing/unknown

Variable Number	12C
Variable Name	NPLAC
Short Descriptor	One or More Lacunes
NP Question	Are one or more lacunes (small artery infarcts and/or hemorrhages) present?
Length of Field	1
Column Positions	76
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–3 1 = Yes 2 = No 3 = Not assessed
Missing Code	9 = Missing/unknown

Variable Number	12D
Variable Name	NPHEM
Short Descriptor	Hemorrhages
NP Question	Are single or multiple hemorrhages present?
Length of Field	1
Column Positions	78
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–3 1 = Yes 2 = No 3 = Not assessed
Missing Code	9 = Missing/unknown

Variable Number	12E
Variable Name	NPART
Short Descriptor	Arteriosclerotic
NP Question	Is subcortical arteriosclerotic leukoencephalopathy present?
Length of Field	1
Column Positions	80
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–3 1 = Yes 2 = No 3 = Not assessed
Missing Code	9 = Missing/unknown

Variable Number	12F
Variable Name	NPNEC
Short Descriptor	Laminar Necrosis
NP Question	Is cortical laminar necrosis present?
Length of Field	1
Column Positions	82
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–3 1 = Yes 2 = No 3 = Not assessed
Missing Code	9 = Missing/unknown

Variable Number	12G
Variable Name	NPSCL
Short Descriptor	Sclerosis
NP Question	Is medial temporal lobe sclerosis (including hippocampal sclerosis) present?
Length of Field	1
Column Positions	84
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–3 1 = Yes 2 = No 3 = Not assessed
Missing Code	9 = Missing/unknown

Variable Number	12H
Variable Name	NPAVAS
Short Descriptor	Ather Vascular
NP Question	Is atherosclerotic vascular pathology (of the circle of Willis) present?
Length of Field	1
Column Positions	86
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–5
	1 = None
	2 = Mild
	3 = Moderate
	4 = Severe
	5 = Not assessed
Missing Code	9 = Missing/unknown

Variable Number	12I
Variable Name	NPARTER
Short Descriptor	Arteriosclerosis
NP Question	Is arteriosclerosis (small parenchymal arteriolar disease) present?
Length of Field	1
Column Positions	88
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–5
	1 = None
	2 = Mild
	3 = Moderate
	4 = Severe
	5 = Not assessed
Missing Code	9 = Missing/unknown

Variable Number	12J
Variable Name	NPAMY
Short Descriptor	Amyloid Angiopathy
NP Question	Is amyloid angiopathy present?
Length of Field	1
Column Positions	90
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–5 1 = None 2 = Mild 3 = Moderate 4 = Severe 5 = Not assessed
Missing Code	9 = Missing/unknown

Variable Number	12K
Variable Name	NPOANG
Short Descriptor	Another Angiopathy
NP Question	Is another type of angiopathy (e.g., CADASIL or arteritis) present?
Length of Field	1
Column Positions	92
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–3 1 = Yes 2 = No 3 = Not assessed
Missing Code	9 = Missing/Unknown

Variable Number	12L
Variable Name	NPVOTH
Short Descriptor	Other Vascular
NP Question	Is there other pathology related to ischemic or vascular disease not previously specified present?
Length of Field	1
Column Positions	94
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–3 1 = Yes 2 = No 3 = Not assessed
Missing Code	9 = Missing/unknown

Variable Number	13A
Variable Name	NPLEWY
Short Descriptor	Lewy Bodies
NP Question	Pathology is consistent with criteria of Consortium on Dementia with Lewy Bodies for:
Length of Field	1
Column Positions	96
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–6 1 = Lewy body pathology, brainstem predominant type 2 = Lewy body pathology, intermediate or transitional (limbic) type 3 = Lewy body pathology, diffuse (neocortical) type 4 = Lewy body pathology, unspecified or not further assessed 5 = No Lewy bodies 6 = Not assessed
Missing Code	9 = Missing/Unknown

Variable Number	13B
Variable Name	NPLEWYCS
Short Descriptor	DLB Clinical Syndrome due to DLB pathology
NP Question	Likelihood that DLB Clinical Syndrome due to DLB pathology:
Length of Field	1
Column Positions	98
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–3, 6 1 = Low 2 = Intermediate 3 = High 6 = N/A (not applicable)
Missing Code	9 = Missing/Unknown
Comment	As of 9/10/08, 6=N/A was added to allowable values. As of 9/19/07 the following are no longer allowable values; 4 = Lewy body pathology, unspecified or not further assessed, 5 = No Lewy bodies, and 6 = Not assessed.

Variable Number	14A
Variable Name	NPPICK
Short Descriptor	Picks Disease
NP Question	Pick's Disease:
Length of Field	1
Column Positions	100
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1-3 1 = Yes 2 = No 3 = Not assessed
Missing Code	9 = Missing/Unknown

Variable Number	14B
Variable Name	NPCORT
Short Descriptor	Corticobasal Deg
NP Question	Corticobasal degeneration:
Length of Field	1
Column Positions	102
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1-3 1 = Yes 2 = No 3 = Not assessed
Missing Code	9 = Missing/Unknown

Variable Number	14C
Variable Name	NPPROG
Short Descriptor	Prog Supra Palsy
NP Question	Progressive supranuclear palsy:
Length of Field	1
Column Positions	104
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1-3 1 = Yes 2 = No 3 = Not assessed
Missing Code	9 = Missing/Unknown

Variable Number	14D
Variable Name	NPFRONT
Short Descriptor	Frontotemporal Dem
NP Question	Frontotemporal dementia and Parkinsonism with tau-positive or argyrophilic inclusions:
Length of Field	1
Column Positions	106
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–3 1 = Yes 2 = No 3 = Not assessed
Missing Code	9 = Missing/Unknown

Variable Number	14E
Variable Name	NPTAU
Short Descriptor	Tauopathy, Other
NP Question	Tauopathy, other (e.g., tangle-only dementia and argyrophilic grain dementia):
Length of Field	1
Column Positions	108
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–3 1 = Yes 2 = No 3 = Not assessed
Missing Code	9 = Missing/Unknown

Variable Number	14F
Variable Name	NPFTD
Short Descriptor	FTD with Ubiqu
NP Question	FTD with ubiquitin-positive (tau-negative) inclusions:
Length of Field	1
Column Positions	110
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–4 1 = FTD with motor neuron disease 2 = FTD without motor neuron disease 3 = None present 4 = Not assessed
Missing Code	9 = Missing/Unknown

Variable Number	14G
Variable Name	NPFTDNO
Short Descriptor	FTD with No Hist
NP Question	Is there FTD with no distinctive histopathology (tau-negative, ubiquitin-negative, and no argyrophilic inclusions)?
Length of Field	1
Column Positions	112
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–3 1 = Yes 2 = No 3 = Not assessed
Missing Code	9 = Missing/Unknown

Variable Number	14H
Variable Name	NPFTDSPC
Short Descriptor	FTD Not Specified
NP Question	Was FTD “not otherwise specified” present (e.g., “immunostaining for ubiquitin and tau not done”)?
Length of Field	1
Column Positions	114
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–3 1 = Yes 2 = No 3 = Not assessed
Missing Code	9 = Missing/Unknown

Variable Number	15A
Variable Name	NPCJ
Short Descriptor	Creutz-Jak Disease
NP Question	Is Creutzfeldt-Jakob disease or variant CJD present?
Length of Field	1
Column Positions	116
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–3 1 = Yes 2 = No 3 = Not assessed
Missing Code	9 = Missing/Unknown

Variable Number	15B
Variable Name	NPPRION
Short Descriptor	Other Prion
NP Question	Are other prion diseases present (e.g., Gerstmann-Strausler syndrome)?
Length of Field	1
Column Positions	118
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–3 1 = Yes 2 = No 3 = Not assessed
Missing Code	9 = Missing/Unknown

Variable Number	16A
Variable Name	NPMAJOR
Short Descriptor	Other Maj Path
NP Question	Are other major pathological disorders present (not addressed by questions 8–15)?
Length of Field	1
Column Positions	120
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–3 1 = Yes 2 = No 3 = Not assessed
Missing Code	9 = Missing/Unknown
Skips	If NPMAJOR = 2, 3 or 9, then go to #17A, NPGENE

Variable Number	16B1
Variable Name	NPMPATH1
Short Descriptor	Specify 1
NP Question	If 16A is yes, then specify below:
Length of Field	30
Column Positions	122–151
SAS Variable Type	Character
SAS Variable Length	30
Blanks	Blank if #16A NPMAJOR = 2, 3 or 9
Comment	For 16B1, 16B2, and 16B3 provide most prominent three disorders

Variable Number	16B2
Variable Name	NPMPATH2
Short Descriptor	Specify 2
NP Question	If 16A is yes, then specify below:
Length of Field	30
Column Positions	153–182
SAS Variable Type	Character
SAS Variable Length	30
Blanks	Blank if #16A NPMAJOR = 2, 3 or 9
Comment	For 16B1, 16B2, and 16B3 provide most prominent three disorders

Variable Number	16B3
Variable Name	NPMPATH3
Short Descriptor	Specify 3
NP Question	If 16A is yes, then specify below:
Length of Field	30
Column Positions	184–213
SAS Variable Type	Character
SAS Variable Length	30
Blanks	Blank if #16A NPMAJOR = 2, 3 or 9
Comment	For 16B1, 16B2, and 16B3 provide most prominent three disorders

Variable Number	17A
Variable Name	NPGENE
Short Descriptor	Family history
NP Question	Family history information relevant to neuropathologic diagnosis.
Length of Field	1
Column Positions	215
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–4 1 = Family history of similar neurodegenerative disorder 2 = Family history of other (dissimilar) neurodegenerative disorder 3 = No family history of similar or dissimilar neurodegenerative disorder 4 = Family history of both similar and dissimilar neurodegenerative disorder
Missing Code	9 = Family history unknown/not available/missing
Skips	If NPGENE = 1, 3 or 9, then go to #18A, NPAPOE. If NPGENE = 2 or 4, then continue.

Variable Number	17B
Variable Name	NPFHSPEC
Short Descriptor	Specify
NP Question	If 17A is 2 or 4, then specify:
Length of Field	30
Column Positions	217–246
SAS Variable Type	Character
SAS Variable Length	30
Blanks	Blank if #17A, NPGENE = 1, 3 or 9
Comment	Provide the one most prominent disorder.

Variable Number	18A
Variable Name	NPAPOE
Short Descriptor	APOE
NP Question	Apolipoprotein-E:
Length of Field	1
Column Positions	248
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Codes	1–6
	1 = e3, e3
	2 = e3, e4
	3 = e3, e2
	4 = e4, e4
	5 = e4, e2
	6 = e2, e2
Missing Code	9 = Missing/unknown/not assessed

Variable Number	18B
Variable Name	NPTAUHAP
Short Descriptor	Tau haplotype
NP Question	Tau haplotype:
Length of Field	1
Column Positions	250
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Codes	1–4
	1 = H1, H1
	2 = H1, H2
	3 = H2, H2
	4 = Other polymorphism (e.g., A0)
Missing Code	9 = Missing/unknown/not assessed

Variable Number	18C
Variable Name	NPPRNP
Short Descriptor	PRNP codon 129
NP Question	PRNP codon 129:
Length of Field	1
Column Positions	252
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Codes	1–3 1 = M, M 2 = M, V 3 = V, V
Missing Code	9 = Missing/unknown/not assessed

Variable Number	19
Variable Name	NPCHROM
Short Descriptor	Gen or Chrom Abnorm
NP Question	Genetic or Chromosomal abnormalities.
Length of Field	2
Column Positions	254–255
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Codes	1–13, 50 1 = APP mutation 2 = PS1 mutation 3 = PS2 mutation 4 = Tau mutation 5 = α -Synuclein mutation 6 = Parkin mutation 7 = PRNP mutation 8 = Huntingtin mutation 9 = Notch 3 mutation (CADASIL) 10 = Other known genetic mutation (e.g., ABri, neuroserpin) 11 = Down Syndrome 12 = Other chromosomal abnormality 13 = No known genetic or chromosomal abnormality 50 = Not assessed 99 = Missing/unknown

Variable Number	20A1
Variable Name	NPPNORM
Short Descriptor	Normal Brain - Primary
NP Question	Is the primary pathologic diagnosis normal brain?
Length of Field	1
Column Positions	257
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Codes	1-2 1 = Yes 2 = No
Comment	NOTE: Only one diagnosis in items 20A1 through 20K1 may be coded Yes for primary diagnosis.

Variable Number	20A2
Variable Name	NPCNORM
Short Descriptor	Normal Brain - Contributing
NP Question	Is there a contributing pathologic diagnosis of normal brain?
Length of Field	1
Column Positions	259
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Codes	1-2 1 = Yes 2 = No
Comment	NOTE: More than one diagnosis in items 20A2 through 20K2 may be coded Yes for contributing diagnosis.

Variable Number	20B1
Variable Name	NPPADP
Short Descriptor	AD pathology present, but insufficient for AD diagnosis - Primary
NP Question	Is the primary pathologic diagnosis AD pathology present, but insufficient for AD diagnosis?
Length of Field	1
Column Positions	261
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Codes	1-2 1 = Yes 2 = No
Comment	NOTE: Only one diagnosis in items 20A1 through 20K1 may be coded Yes for primary diagnosis.

Variable Number	20B2
Variable Name	NPCADP
Short Descriptor	AD pathology present, but insufficient for AD diagnosis - Contributing
NP Question	Is there a contributing pathologic diagnosis of AD pathology present, but insufficient for AD diagnosis?
Length of Field	1
Column Positions	263
SAS Variable Type	Numeric
SAS Variable Length	1
Allowable Codes	1-2 1 = Yes 2 = No
Comment	NOTE: More than one diagnosis in items 20A2 through 20K2 may be coded Yes for contributing diagnosis.

Variable Number	20C1
Variable Name	NPPAD
Short Descriptor	Alzheimer's disease - Primary
NP Question	Is the primary pathologic diagnosis Alzheimer's disease?
Length of Field	1
Column Positions	265
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Codes	1-2 1 = Yes 2 = No
Comment	NOTE: Only one diagnosis in items 20A1 through 20K1 may be coded Yes for primary diagnosis.

Variable Number	20C2
Variable Name	NPCAD
Short Descriptor	Alzheimer's disease - Contributing
NP Question	Is there a contributing pathologic diagnosis of Alzheimer's disease?
Length of Field	1
Column Positions	267
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Codes	1-2 1 = Yes 2 = No
Comment	NOTE: More than one diagnosis in items 20A2 through 20K2 may be coded Yes for contributing diagnosis.

Variable Number	20D1
Variable Name	NPPLEWY
Short Descriptor	Lewy Body disease, with or without AD – Primary
NP Question	Is the primary pathologic diagnosis Lewy Body disease, with or without AD?
Length of Field	1
Column Positions	269
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Codes	1-2 1 = Yes 2 = No
Comment	NOTE: Only one diagnosis in items 20A1 through 20K1 may be coded Yes for primary diagnosis.

Variable Number	20D2
Variable Name	NPCLEWY
Short Descriptor	Lewy Body disease, with or without AD – Contributing
NP Question	Is there a contributing pathologic diagnosis of Lewy Body disease, with or without AD?
Length of Field	1
Column Positions	271
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Codes	1-2 1 = Yes 2 = No
Comment	NOTE: More than one diagnosis in items 20A2 through 20K2 may be coded Yes for contributing diagnosis.

Variable Number	20E1
Variable Name	NPPVASC
Short Descriptor	Vascular disease – Primary
NP Question	Is the primary pathologic diagnosis vascular disease?
Length of Field	1
Column Positions	273
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Codes	1-2 1 = Yes 2 = No
Comment	NOTE: Only one diagnosis in items 20A1 through 20K1 may be coded Yes for primary diagnosis.

Variable Number	20E2
Variable Name	NPCVASC
Short Descriptor	Vascular disease – Contributing
NP Question	Is there a contributing pathologic diagnosis of vascular disease?
Length of Field	1
Column Positions	275
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Codes	1-2 1 = Yes 2 = No
Comment	NOTE: More than one diagnosis in items 20A2 through 20K2 may be coded Yes for contributing diagnosis.

Variable Number	20F1
Variable Name	NPPFTLD
Short Descriptor	FTLD – Primary
NP Question	Is the primary pathologic diagnosis FTLD?
Length of Field	1
Column Positions	277
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Codes	1-2 1 = Yes 2 = No
Comment	NOTE: Only one diagnosis in items 20A1 through 20K1 may be coded Yes for primary diagnosis.

Variable Number	20F2
Variable Name	NPCFTLD
Short Descriptor	FTLD – Contributing
NP Question	Is there a contributing pathologic diagnosis of FTLD?
Length of Field	1
Column Positions	279
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Codes	1-2 1 = Yes 2 = No
Comment	NOTE: More than one diagnosis in items 20A2 through 20K2 may be coded Yes for contributing diagnosis.

Variable Number	20G1
Variable Name	NPPHIPP
Short Descriptor	Hippocampal sclerosis – Primary
NP Question	Is the primary pathologic diagnosis hippocampal sclerosis?
Length of Field	1
Column Positions	281
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Codes	1-2 1 = Yes 2 = No
Comment	NOTE: Only one diagnosis in items 20A1 through 20K1 may be coded Yes for primary diagnosis.

Variable Number	20G2
Variable Name	NPCHIPP
Short Descriptor	Hippocampal sclerosis – Contributing
NP Question	Is there a contributing pathologic diagnosis of hippocampal sclerosis?
Length of Field	1
Column Positions	283
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Codes	1-2 1 = Yes 2 = No
Comment	NOTE: More than one diagnosis in items 20A2 through 20K2 may be coded Yes for contributing diagnosis.

Variable Number	20H1
Variable Name	NPPPRION
Short Descriptor	Prion Associated Disease – Primary
NP Question	Is the primary pathologic diagnosis Prion Associated Disease?
Length of Field	1
Column Positions	285
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Codes	1-2 1 = Yes 2 = No
Comment	NOTE: Only one diagnosis in items 20A1 through 20K1 may be coded Yes for primary diagnosis.

Variable Number	20H2
Variable Name	NPCPRION
Short Descriptor	Prion Associated Disease – Contributing
NP Question	Is there a contributing pathologic diagnosis of Prion Associated Disease?
Length of Field	1
Column Positions	287
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Codes	1-2 1 = Yes 2 = No
Comment	NOTE: More than one diagnosis in items 20A2 through 20K2 may be coded Yes for contributing diagnosis.

Variable Number	20I1
Variable Name	NPPOTH1
Short Descriptor	Other 1 - Primary
NP Question	Is the primary pathologic diagnosis other?
Length of Field	1
Column Positions	289
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Codes	1-2 1 = Yes 2 = No
Comment	NOTE: Only one diagnosis in items 20A1 through 20K1 may be coded Yes for primary diagnosis.

Variable Number	20I2
Variable Name	NPCOTH1
Short Descriptor	Other 1 - Contributing
NP Question	Is there a contributing pathologic diagnosis of other?
Length of Field	1
Column Positions	291
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Codes	1-2 1 = Yes 2 = No
Comment	NOTE: More than one diagnosis in items 20A2 through 20K2 may be coded Yes for contributing diagnosis.

Variable Number	2013
Variable Name	NPOTH1X
Short Descriptor	Other 1 - Specify
NP Question	What is the specification for other 1?
Length of Field	60
Column Positions	293–352
SAS Variable Type	Character
SAS Variable Length	60
Allowable Codes	Any valid characters except “, ‘, %, &

Variable Number	20J1
Variable Name	NPPOTH2
Short Descriptor	Other 2 - Primary
NP Question	Is the primary pathologic diagnosis other?
Length of Field	1
Column Positions	354
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Codes	1-2 1 = Yes 2 = No
Comment	NOTE: Only one diagnosis in items 20A1 through 20K1 may be coded Yes for primary diagnosis.

Variable Number	20J2
Variable Name	NPCOTH2
Short Descriptor	Other 2 - Contributing
NP Question	Is there a contributing pathologic diagnosis of other?
Length of Field	1
Column Positions	356
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Codes	1-2 1 = Yes 2 = No
Comment	NOTE: More than one diagnosis in items 20A2 through 20K2 may be coded Yes for contributing diagnosis.

Variable Number	20J3
Variable Name	NPOTH2X
Short Descriptor	Other 2 - Specify
NP Question	What is the specification for other 2?
Length of Field	60
Column Positions	358–417
SAS Variable Type	Character
SAS Variable Length	60
Allowable Codes	Any valid characters except “, ‘, %, &

Variable Number	20K1
Variable Name	NPPOTH3
Short Descriptor	Other 3 - Primary
NP Question	Is the primary pathologic diagnosis other?
Length of Field	1
Column Positions	419
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Codes	1-2 1 = Yes 2 = No
Comment	NOTE: Only one diagnosis in items 20A1 through 20K1 may be coded Yes for primary diagnosis.

Variable Number	20K2
Variable Name	NPCOTH3
Short Descriptor	Other 3 - Contributing
NP Question	Is there a contributing pathologic diagnosis of other?
Length of Field	1
Column Positions	421
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Codes	1-2 1 = Yes 2 = No
Comment	NOTE: More than one diagnosis in items 20A2 through 20K2 may be coded Yes for contributing diagnosis.

Variable Number	20K3
Variable Name	NPOTH3X
Short Descriptor	Other 3 - Specify
NP Question	What is the specification for other 3?
Length of Field	60
Column Positions	423–482
SAS Variable Type	Character
SAS Variable Length	60
Allowable Codes	Any valid characters except “, ‘, %, &

Variable Number	21
Variable Name	NPBRFRZN
Short Descriptor	Frozen brain sample
NP Question	Is banked frozen brain tissue accessible?
Length of Field	1
Column Positions	484
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–2 1 = Yes 2 = No

Variable Number	22
Variable Name	NPBRFRM
Short Descriptor	Formalin brain sample
NP Question	Is formalin-fixed brain tissue accessible?
Length of Field	1
Column Positions	486
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–2 1 = Yes 2 = No

Variable Number	23
Variable Name	NPBPARF
Short Descriptor	Paraffin Brain Sample
NP Question	Are paraffin-embedded blocks of brain tissue accessible?
Length of Field	1
Column Positions	488
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1–2 1 = Yes 2 = No

Variable Number	24
Variable Name	NPCSFANT
Short Descriptor	CSF - Postmortem
NP Question	Is banked postmortem cerebrospinal fluid (CSF) accessible?
Length of Field	1
Column Positions	490
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	1-2
	1 = Yes
	2 = No

Variable Number	25
Variable Name	FORMVER
Short Descriptor	Version of NP Form
NP Question	What is the version of the NP Form?
Length of Field	2
Column Positions	492-493
SAS Variable Type	Numeric
SAS Variable Length	8
Allowable Values	9
	9 = Version 9
Comment	Enter the appropriate version number for the form used. The form version is specified on the bottom of each page for version 8 and version 9 NP forms, but there is no version number specified on the original NP form. If you are submitting data from an original form, you may enter version 7 or leave it blank (in SAS datasets, use a “.”)