

Track-HD/TrackOn-HD Data Dictionary Periodic and Specified Datasets

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Track-HD/TrackOn-HD

A prospective observational biomarker study in participants

with premanifest and early Huntington's disease (HD)

An UCL / CHDI Foundation Project

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1 Overview

This Data Dictionary is intended to be used with all Track-HD (THD) / TrackOn-HD (TON) dataset releases, including public datasets (PDS) and specified datasets (SPS).

This document includes variable information, a brief overview of constituent data sources, dataset structure, variable attributes, information on special values representation and data release availability (PDS/SPS).

2 Structure of the Dataset

2.1 Data Sources

This Track-HD/TrackOn-HD dataset encompasses data from both Track-HD and TrackOn-HD studies. A brief overview of these data sources is described below.

TRACK-HD (THD) was a prospective observational biomarker study in participants with premanifest and early Huntington's disease (HD). Track-HD assessed longitudinal data collected at baseline, 12 months, 24 and 36 months at sites in Leiden (Netherlands), London (UK), Paris (France), and Vancouver (Canada). Individuals without HD but carrying the mutant HTT gene (ie, premanifest HD), patients with early HD, and healthy control individuals matched by age and sex to the combined HD groups were included in the study. Data were collected with 3T MRI, clinical, cognitive, quantitative motor, oculomotor, and neuropsychiatric assessments.

TrackOn-HD (TON) followed on from Track-HD aiming to investigate compensatory mechanisms in premanifest gene carriers. Baseline, 12 and 24 month data on premanifest gene carriers and healthy controls was collected from the same four sites including 3T MRI, task and resting state fMRI, DTI, clinical, cognitive, quantitative motor, and neuropsychiatric assessments.

2.2 Data Files within the Dataset

THD/TON PDS is comprised of 11 data files, each of which fall into one of three categories:

Participant-based: *profile*, *pharmacotx*, *comorbid*, *family*

These contain non-study-specific information about the participant. This information is relevant to all studies.

Study-based: participation, assessment

These contain study specific information about a participant.

Visit-based: track, trackon, mri, ishd, oculomotor, morphometric

These contain visit specific information about a participant.

Each PDS data file is described in Table 1.

 Table 1
 Track-HD/TrackOn-HD
 dataset release data file descriptions.

Data file	Туре	Studies	Description
profile	Participant	THD, TON	General and participant related data, some of which may be annually updated.
pharmacotx	Participant	THD, TON	Information about pharmacological therapies.
comorbid	Participant	THD, TON	Information about comorbid conditions and surgeries.
family	Participant	THD, TON	Information on family members of each participant.
participation	Study	THD, TON	Provides study specific information about study participation. Includes participant identifier, participant status, study start day, study end day (in event of participant withdrawal or death). Note: If a participant is enrolled in several studies, one line per study participation is provided.
track	Visit	THD	Data from the Track-HD study.

trackon	Visit	TON	Data from the TrackOn-HD study.
ishd	Visit	THD	Data from ISHD scale. ISHD is a diary- type assessment of irritable and aggressive behaviour over the course of one week. So for each visit, there are 7 assessements which corresponds to 7 rows for each participant's visit.
oculomotor	Visit	THD, TON	Data from Oculomotor scale. Oculomotor assessment has many sessions per participant's visit, which corresponds to one row per session.
mri_aquisitions	Visit	THD, TON	Iventory of all MRIs conducted within the study.
mri_morphometrics	Visit	THD, TON	Measurements from performed MRIs in each visit.
assessment	Visit	THD, TON	Visit-specific information about which assessments were performed at each visit (per study).
samples	Visit	THD, TON	Visit-specific information about samples that were performed at each visit (per study).

2.3 Structure of Variables

This Data Dictionary lists all variables in Chapter 3, 4 and 5, with the appropriate attributes specified in Table 2.

Attribute	Description
Label	Variable label
Form	Corresponding Form
Variable	Internal variable name.
Data Type	<i>Boolean:</i> Represents the values 1 (yes) and 0 (no). <i>Number:</i> Represents number or floating-point data values. <i>Text:</i> Represents alphanumeric string data values.

	 Date: The date type is represented as the number of days relative to the date of the participant's THD Visit 1 visit date. Single choice: Variable with assigned coding list of options where one item can be selected. The value within an export provided in the dataset is taken from the underlying coding available options list. The list of options is defined as parameters in the data dictionary tables.
Parameter	Parameter value of coded variables (optional).
Coding	Internal parameter value of coded variables (optional).
Unit	Unit of input field (optional).
Availability	All variables in the Track-HD/TrackOn-HD dataset are listed in the Data Dictionary. This availability column allows the researcher to identify which variables are available in the PDS ("PDS"), which are available via special request ("available upon SRC approval"), and which are restricted ("not available").

2.4 Representation of Special Values

Date Values

Transformation of date values

To minimize participant identification risk, the Track-HD/TrackOn-HD PDS does not contain date values. Date values referring to visit dates are transformed to a **numeric value**, reflective of the number of days between the Track-HD **Visit 1 visit date** and the date of interest. Date values that refer to date of birth or symptom onset are transformed into age values.

It should be noted that date values are **negative**, if the date refers to a point in time before THD Visit 1. This is typical for start dates of medications and comorbid conditions.

For example, date values for a participant with a THD Visit 1 date of 2020-11-01 (YYYY-MM-DD) would read as follows in Table 3.

Entered date for e.g. a medication	Representation in dataset
2020-11-01	0
2020-11-30	29
2020-10-31	-1

Table 3 Date representation.

Alphanumeric characters

When opening the ".csv" files in Microsoft Excel, this should be done using UTF-8 encoding (Data-> Import Text -> File Origin: UTF-8) to ensure that values like "é" or " μ " are correctly displayed (Figure 1).

Text Import Wizard - Step 1 of 3	?	\times
The Text Wizard has determined that your data is Delimited.		
If this is correct, choose Next, or choose the data type that best describes your data.		
Original data type		
Choose the file type that best describes your data:		
Delimited - Characters such as commas or tabs separate each field.		
○ Fixed width - Fields are aligned in columns with spaces between each field.		
Start import at row: 1 File origin: 65001 : Unicode (UTF-8)		\sim
☐ <u>M</u> y data has headers.		
Preview of file C:\Shared\19. TRACK\04. Data Carpentry\results\01.data_transformation\03.Tr\track.cs	5V.	
1 "subjid""studyid""visit""visdy""visstat""acjcdy_c""acjcdy""lbdy""inju		^
2 "R003722328""THD""Visit 1"0"completed"-18200010111281 3 "R003833008""THD""Visit 1"0"completed"-2557000010320001198		
4 "R003833008""THD""Visit 2"370"completed"0000103200011985 5 "R003833008""THD""Visit 3"727"completed"682000000320001198		
6 "R003833008""THD""Visit 4"1113"completed"108100001381 7 "R005484092""THD""Visit 1"0"completed"-10350100001163		
8 "R005484092""THD""Visit 2"339"completed"110000116511	>	×
Cancel < Back Next >	<u>F</u> inis	h

Figure 1 Window defining relevant importing options.

2.5 Data availability

This Data Dictionary details *all* variables collected in Track-HD and TrackOn-HD.

Periodic datasets (PDS), prepared from the Track-HD/TrackOn-HD electronic data capture (EDC) include the *majority of variables* collected. Variables included in the PDS are highlighted in green. Each Track-HD/TrackOn-HD PDS goes through stringent quality control and de-identification procedures prior to release. To this end, certain variables are transformed or suppressed (excluded) in each PDS to minimize participant identification.

Access to non-transformed, deaggregated, or suppressed data may be obtained via **specified dataset (SPS)** request, pursuant to review and approval by the Track-HD/TrackON-HD Scientific Review Committee (SRC). These variables are highlighted in orange.

Finally, certain variables are restricted, typically due to their highly identifying nature. These variables, highlighted in red, and not available via PDS or SPS request, but are included here for completeness.

The column 'Availability' indicates these three classes of variables using the color-coding shown in Table 4.

Table 4 Availability type description.

Availability	Meaning				
PDS	Included in the PDS.				
Available upon SRC approval	Not included in the PDS but available via SPS request contingent on SRC approval.				
Not available	Restricted variables which are nnot available in the PDS or via SPS request.				

3 Participant-Based Data Files

Participant-based data files are directly related to a participant independent of a study, i.e. the data is not assessed during a specific study visit. The data is either captured only once or in a regular (e.g. annually) basis.

There are the following participant-based data files:

- profile
- pharmacotx
- comorbid
- family

In general, these data files may contain one, more than one or no entry per participant. An index (variable "seq") distinguishes different entries.

3.1 Data File "profile" (Participant Profile)

Label	Study	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Recoded HDID	THD,TON	Key Vars	subjid	text				PDS
Region (Europe or Northern America)	THD,TON	Key Vars	region	text				PDS
Recoded Site ID (TRACK-HD/-ON HD specific)	THD,TON	Key Vars	siteid	number				Not Available

3.1.1 Form "Demographics"

Section Demographics (invariable)

Label	Study	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Date of birth	THD,TON	Demog	brthdtc	date				Not Available
Date of birth (precision)	THD,TON	Demog	brthdtc prec	single- choice				Not Available
Sex	THD,TON	Demog	sex	single-	- female	- 1		PDS
Sex	THD, TON	Demog	Sex	choice	- male	- 2		PDS
				- Caucasian	- 1		PDS	
					- African - Black	- 1		PDS
					- African - North	- 2		PDS
					- Asian - West	- 3		PDS
Ethnicity	THD,TON	Demog	ethnic	single- choice	- Asian - East	- 4		PDS
				choice	- mixed	- 5		PDS
				- American - Black	- 2]	PDS	
				- American - Latin	- 3	1	PDS	
					- other	- 6		PDS

					- unknown	- 7	PDS
Subject's statement	THD,TON	Demog	ethnicself	text			Not Available
				ain al a	- right	- 1	PDS
Handedness	THD,TON	Demog	handness	single- choice	- left	- 2	PDS
				choice	- mixed	- 3	PDS
					- ISCED 0 - nursery school	- 0	PDS
					 ISCED 1 - primary school (key stage 1, 2) 	- 1	PDS
				 ISCED 2 - comprehensive school/college (key stage 3) 	- 2	PDS	
				 - ISCED 3 - sixth form (key stage 4) - ISCED 4 - college of further education - ISCED 5 - university (further/higher education institutions) 		- 3	PDS
Education level	THD	Demog	education		- ISCED 4 - college of further education	- 4	PDS
					(further/higher education	- 5	PDS
					 ISCED 6 - tertiary studies leading to an advanced research qualification 	- 6	PDS
Sum - right	TON	Demog	edinventleft	number			PDS
Sum - left	TON	Demog	edinventright	number			 PDS
Writing - right	TON	Demog	writingleft	number			PDS
Writing - left	TON	Demog	writingright	number			PDS

3.2 Data File "pharmacotx (Pharmacotherapy)"

Label	Study	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Recoded HDID	THD,TON	Key Vars	subjid	text				PDS
Study ID	THD,TON	Key Vars	studyid	text	- THD - TON - THD/TON			PDS
Sequence	THD,TON	Key Vars	seq	number				PDS

3.2.1 Form "Medication"

Label	Study	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Drug name - WHO-DD Modified Term	THD,TON	Medication	cmtrtmodify	text				PDS
Drug name - WHO-DD Drug Code	THD,TON	Medication	cmtrtdecod	text				Available upon SRC approval
Drug name - Internal Drug Code	THD,TON	Medication	cmtrtdecod_ r	text				PDS
Dose	THD,TON	Medication	cmdostot	number				PDS
Unit	THD,TON	Medication	cmdosunit	text				PDS
					- ATC	- atc		
					- b.i.d.	- bid		
					- b.i.w.	- biw		
Decimen		Madiaatian		single-	- nocte	- hs		DDC
Regimen	Regimen THD,TON	Medication	regimen	choice	- p.r.n.	- prn	1	PDS
				- q.2h.	- q2h			
			1		- q.3h.	- q3h]	
					- q.4h.	- q4h		

				1	- o.d.	- qd	
					- q.h.	- qh	
					- q.i.d.	- qid	
					- q.i.w.	- qiw	
					- q.o.d.	- qod	
					- q.o.w.	- qow	
					- q.w.	- qw	
					- STAT	- stat	
					- t.i.d.	- tid	
					- t.i.w.	- tiw	
Regimen per day	THD,TON	Medication	frequent	text			PDS
					- p.o.	- 0	
					- p.r.	- 1	
					- S.C.	- 2	
Route	THD,TON	Medication	route	single- choice	- i.m.	- 3	PDS
				choice	- i.v.	- 4	
					- nasal	- 5	
					- td	- 6	
Start day	THD,TON	Medication	cmstdy	number			PDS
					- precision in day	- d	
Start day (precision)	THD,TON	Medication	cmstdyprec	single- choice	- precision in month	- m	Not Available
					- precision in years	- y	
Ongoing	THD,TON	Medication	cmenrf	boolean	- no	- 0	PDS
		ivieuication		boolean	- yes	- 1	FD3
End day	THD,TON	Medication	cmendy	number			PDS
End day (precision)	THD,TON	Medication	cmendyprec	text	- precision in day	- d	Not Available

					- precision in month	- m	
					- precision in years	- y	
Drug Name - ATC code	THD,TON	Medication	cmtrtatc	text			PDS
Ingredient – Modified Term	THD,TON	Medication	cmtrting	text			PDS
Indication - Modified Term	THD,TON	Medication	cmindcmodify	text			PDS
Indication - code (coded by MedDRA - D level)	THD,TON	Medication	cmindcdecod	text			Available upon SRC approval
Indication - Internal code	THD,TON	Medication	cmindcdecod_ r	text			PDS

3.3 Data File "comorbid (Comorbid Conditions)"

Label	Study	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Recoded HDID	THD,TON	Key Vars	subjid	text				
Study ID (THD or TON)	THD,TON	Key Vars	studyid	text	- THD - TON - THD/TON			PDS
Sequence	THD,TON	Key Vars	seq	number				

3.3.1 Form "Comorbidities"

Disorders (ICD10 Modified Term)	THD,TON	Comorbid	mhtermmodify	text				PDS
Condition - Code (coded by MedDRA)	THD,TON	Comorbid	mhtermdecod	text			u	vailable pon SRC pproval
Disorders (ICD10 Code)	THD,TON	Comorbid	mhtermdecod_ r	text				PDS
Start day	THD,TON	Comorbid	mhstdy	number				
Start day		Constant inter		single-	- precision in day	- d		Not
(precision)	THD,TON	Comorbid	mhstdyprec	choice	- precision in month	- m	A	vailable
					- precision in years	- y		
Ongoing	THD,TON	Comorbid	mhenrf	boolean	- no	- 0		
Ongoing	IND, ION	Comorbiu	milenn	DOOIEan	- yes	- 1		PDS
End day	THD,TON	Comorbid	mhendy	number				
End day		Correction	mbaada maa	single-	- precision in day	- d		Not
(precision)	' I THD. TON TO	Comorbid	mhendyprec	choice	- precision in month	- m	A	vailable
					- precision in years	- y		

3.4 Data File "family" (Family information)

Label	Study	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Recoded Family ID	TON,THD	Key Vars	fmlyid	number				PDS
Family member ID	TON,THD	Key Vars	id	number				Not
Raw Family member ID	TON,THD	Key Vars	id_raw	number				Available

Recoded Family member ID	TON,THD	Key Vars	id_r	number		PDS
HDID	TON,THD	Key Vars	hdid	text		Not Available
Recoded HDID	TON,THD	Key Vars	subjid	text		DDC
Study ID	TON,THD	Key Vars	studyid	text		PDS
Visit Number	TON,THD	Key Vars	visitnum	number		Not Available
Visit	TON,THD	Key Vars	visit	text	- Family History	PDS
Form Number	TON,THD	Key Vars	nr	number		Not Available
Visit Status	TON,THD	Key Vars	visstat	text	- completed	PDS

3.4.1 Form "Family History"

Label	Study	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Age of onset first symptoms	TON,THD	Family History	onset	number				PDS
Other family member ID	TON,THD	Family History	othid_original	number				Not Available
Recoded other family member ID	TON,THD	Family History	othid	number				
Dia su a sa di hu		Family.		almala.	- yes	- 1		
Diagnosed by physician	TON,THD	Family History	physician	single- choice	- no	- 2		PDS
physician		Thistory		CHOICE	- unknown	- 3		
Discound		F			- yes	- 1		
Diagnosed by physician	TON,THD	Family History	hddiagnb	single- choice	- no	- 2		
physiciali		nistory		choice	- unknown	- 3		

Parent family member ID 1	TON,THD	Family History	pid1_original	number			Not Available
Recoded parent family member ID 1	TON,THD	Family History	pid1	number			PDS
Parent family member ID 2	TON,THD	Family History	pid2_original	number			Not Available
Recoded parent family member ID 2	TON,THD	Family History	pid2	number			
Special type of this node or type of relationship to other family member	TON,THD	Family History	type	text	 "infertile" "childless" "bitwin" "monotwin" "donor 		PDS
Age at data entry	TON,THD	Family History	age	number			
Cause	TON,THD	Family History	cause	text			Not Available
Gender	TON,THD	Family History	sex	single- choice	- female - male	- 1 - 2	PDS
Year of birth	TON,THD	Family History	birth	number			Not Available
Alive?	TON,THD	Family History	alive	single- choice	- yes - no - unknown	- 1 - 2 - 3	225
Vital status	TON,THD	Family History	survstat	single- choice	- alive - dead - unknown	- 1 - 2 - 3	PDS
Year of death	TON,THD	Family History	death	number			Not Available

Age of death	TON,THD	Family History	Dssage	number			
HD mutuation		Family		single-	- yes	- 1	
carrier	TON,THD	History	Carrier	choice	- no	- 2	PDS
Carrier		Thistory		enoice	- unknown	- 3	PDS
		Family		single	- yes	- 1	
Manifest HD	TON,THD	History	manifest	single- choice	- no	- 2	
		miscory		choice	- unknown	- 3	
First symptoms	TON,THD	Family History	Sympt	text			Not Available
					- yes	- 1	
Confirmed genetically	TON,THD	Family History	Genetic	single- choice	- no	- 2	
genetically		history		choice	- unknown	- 3	
D					- yes	- 1	
Participant in	TON,THD	Family	trackhd	single- choice	- no	- 2	PDS
		History		choice	- unknown	- 3	
.					- yes	- 1	
Participant in REGISTRY	TON,THD	Family History	registry	single- choice	- no	- 2	
REGISTRY		history		choice	- unknown	- 3	
HDID	TON,THD	Family History	Pseudo	text			Not Available
Spouse ID 1	TON,THD	Family History	spid_1	number			Not Available
Recoded Spouse ID 1	TON,THD	Family History	spid_r_1	number			PDS
Spouse ID 2	TON,THD	Family History	spid_2	number			Not Available
Recoded Spouse ID 2	TON,THD	Family History	spid_r_2	number			PDS
Spouse ID 3	TON,THD	Family History	spid_3	number			Not Available

Recoded Spouse ID 3	TON,THD	Family History	spid_r_3	number		PDS
Spouse ID 4	TON,THD	Family History	spid_4	number		Not Available
Recoded Spouse ID 4	TON,THD	Family History	spid_r_4	number		PDS

4 Study-Based Data Files

4.1 Data File "participation"

Label	Study	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Recoded HDID	THD,TON	Key Vars	subjid	text				PDS
Study Name (TRACK-HD or TRACK-ON HD)	THD,TON	Key Vars	study	text				PDS
Study ID	THD,TON	Key Vars	studyid	text				PDS
Site Index (per subject & study)	THD,TON	Key Vars	seq	number				Not Available
Participant status	THD,TON	Key Vars	subjstat	text				PDS
Visit 1	TON,THD	Key Vars	visit1	text				PDS
Visit 2	TON,THD	Key Vars	visit2	text				PDS
Visit 3	TON,THD	Key Vars	visit3	text				PDS
Visit 4	TON,THD	Key Vars	visit4	text				PDS
Visit 1 day	TON,THD	Key Vars	vis1dy	text				PDS
Visit 2 day	TON,THD	Key Vars	vis2dy	text				PDS
Visit 3 day	TON,THD	Key Vars	vis3dy	text				PDS
Visit 4 day	TON,THD	Key Vars	vis4dy	text				PDS

4.1.1 Form "Demog"

Label	Study	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Age at	THD,	Domog	200	numbor				PDS
enrollment	TON	Demog	age	number				PDS

Comments	TON,THD	Demog	generalcmt	text			Not Available
Subject Group by Iowa (Langbehn DR, 2004)	THD	Demog	sgroup_iowa	single- choice	 control; HD stage1 HD stage2 preHD A preHD B 		Available upon SRC approval

4.1.2 Form "Eligibility"

Label	Study	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Date of enrolment	THD,TON	Eligibility	rfstdtc	date				
Date of				cingle	- precision in day	- d		
enrolment	THD,TON	Eligibility	rfstdtc prec	single- choice	- precision in month	- m		
(precision)				choice	- precision in years	- y		
Signature of	THD,TON	Eligibility	signn	booloon	- no	- 0		Not
subject	THD, TON	Eligibility	signp	boolean -	- yes	- 1		Available
Signature of	THD,TON	Eligibility	ciani	boolean -	- no	- 0		
investigator	THD, TON	Eligibility	signi	DOOIEan	- yes	- 1		
Ability to tolerate					- no	- 0		
MRI and sample donation	THD	Eligibility	incl01	boolean	- yes	- 1		
					- control subject	- 0		
Subject will be either	THD	Eligibility	incl02_thd	single- choice	- premanifest gene carrier	- 1		
enner				CHOICE	- early HD	- 2		PDS
Relation to subject	THD,TON	Eligibility	relation	single- choice	 Partner/spouse of the subject, not at risk 	- 1		

					 HD normal repeat length sibling or HD normal repeat length control volunteer 	- 2	
Positive genetic test with CAG repeat length >=	THD,TON	Eligibility	incl02c	boolean	- no	- 0	
40 ¹					- yes	- 1	
Disease burden					- no	- 0	
score (CAG- 35.5)*age > 250	THD,TON	Eligibility	incl02d	boolean	- yes	- 1	
Absence of					- no	- 0	
diagnostic motor features according to the UHDRS 99	THD	Eligibility	incl02e	boolean	- yes	- 1	
Positive genetic					- no	- 0	Not
test with CAG repeat length >= 40 (if early HD) ¹	THD	Eligibility	incl02f	boolean	- yes	- 1	Available
Presence of					- no	- 0	
diagnostic motor features according to the UHDRS 99	THD	Eligibility	incl02g	boolean	- yes	- 1	
Shoulson and					- no	- 0	
Fahn stage 1 (TFC >= 11 to <= 13) or 2 (TFC >= 7 to <= 10) assessed according to	THD	Eligibility	incl02h	boolean	- yes	- 1	

¹When participants were enrolled in the study, they were all resized, and some of them had a smaller CAG than the original sizing on the genetics report. For these cases, a waiver was granted so that they could be included in the study.

UHDRS total functional								
capacity								
Stage 3 (TFC <= 6)					- no	- 0		
or greater at time of enrolment	THD	Eligibility	excl01	boolean	- yes	- 1		
Younger than 18 years of age	THD	Eligibility	excl02	boolean	- no - yes	- 0 - 1		
Older than 65	TUD				- no	- 0		
years of age	THD	Eligibility	excl03	boolean	- yes	- 1		
Major psychiatric					- no	- 0		
disorder at time of enrolment	THD,TON	Eligibility	excl04	boolean	- yes	- 1		
Concomitant significant neurological	THD,TON	Eligibility	excl05	boolean	- no	- 0	Available upon SRC approval	2
disorder					- yes	- 1	арргочаг	
Concomitant significant	THD,TON	Eligibility	excl06	boolean	- no	- 0		
medical illness					- yes	- 1		
Unsuitability for					- no	- 0		
MRI, e.g. claustrophobia, metal implants	THD,TON	Eligibility	excl07	boolean	- yes	- 1	Not	
Unwillingness to	THD,TON	Eligibility	excl08	boolean	- no	- 0	Available	:
donate blood	THD, TON	Lingibility	EXClos	DOOLEALI	- yes	- 1		
History of					- no	- 0		
significant head injury	THD,TON	Eligibility	excl09	boolean	- yes	- 1		
Predictable non- compliance by	THD,TON	Eligibility	excl10	boolean	- no - yes	- 0 - 1		

drug and/or	1							
alcohol abuse								
Significant hand					- no	- 0		
injuries that preclude either writing or rapid computerized responding	THD,TON	Eligibility	excl11	boolean	- yes	- 1		
Participant in Predict-HD	THD,TON	Eligibility	excl12	boolean	- no	- 0		Available
					- yes	- 1	upon SR	
Currently					- no	- 0		approval
participating in a clinical drug trial	THD,TON	Eligibility	excl13	boolean	- yes	- 1		
Former TRACK-	TON	Eligibility	thdsbj	boolean	- no	- 0		
HD subject					- yes	- 1		
Date of TRACK- HD enrolment	TON	Eligibility	thdrfstdtc	date				Not Available
Date of TRACK-					- precision in day	- d		
HD enrolment	TON	Eligibility	thdrfstdtcprec	single- choice	- precision in month	- m		
(precision)				choice	- precision in years	- y		
					- Visit 1	- 1		
Last TRACK-HD	TON	Eligibility	thdlstvst	single-	- Visit 2	- 2		PDS
visit	TON	Eligibility	thuistvst	choice	- Visit 3	- 3		PDS
					- Visit 4	- 4		
Date of last TRACK-HD visit	TON	Eligibility	thdlstvstdtc	date				Not
	TON	Eligibility	the distusted to proc	single-	- precision in day	- d		Available
	TON	Eligibility	thdlstvstdtcprec	choice	- precision in month	- m		

Date of last TRACK-HD visit (precision)					- precision in years	- y	
Day of last TRACK-HD visit	TON	Eligibility	thdlstvstdy	number			PDS
Ability to tolerate MRI	TON	Eligibility	ic3	boolean	- no	- 0	Not Available
					- yes	- 1	<i>i</i> wandbie
Subject will be	TON	Eligibility	indlog ton	single-	 control subject 	- 1	PDS
either	TON	Eligibility	incl02_ton	choice	- premanifest gene carrier	- 2	PDS
Presence of motor scores > 5	TON	Eligibility	ic6	boolean	- no	- 0	
according to the UHDRS 99					- yes	- 1	Not Available
Age 18 to 65	TON	Eligibility	ic7	boolean	- no	- 0	
years	TON	Eligibility		DODIEall	- yes	- 1	
Known history of epilepsy	TON	Eligibility	ec2	boolean	- no	- 0	Available upon SRC
					- yes	- 1	approval
Diagnostic confidence scores	TON	Eligibility	ec12	boolean	- no	- 0	
of 4 according to the UHDRS 99		-161511119			- yes	- 1	Not Available
Subject is	TON	Eligibility	aligibla	single-	- not eligible	- 0	
		Eligionity	eligible	choice	- eligible	- 1	

4.1.3 Form "End"

Label	Study	Form	Variable	Туре	Parameter	Coding	Unit	Availability
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Did the subject complete the study?	THD,TON	End	complete	boolean	- no - yes	- 0 - 1		
				-	deathevent or illness	- 0 - 1	-	
					necessitating withdrawal - request of primary care physician	- 2		
					- subject's request	- 3		
Specify primary reason for subject's	THD,TON	End	discon	single-	 failure of subject to return to next visit and failure to be located by investigator 	- 4		PDS
premature discontinuation from study:	choice	 Institutionalized (will not be followed further) 	- 5					
from study:					- Other	- 6		
					 failure to complete the required study procedures, regardless of reason 	- 7		
					 the site investigator feels that it is in the best interest of the subject 	- 8		
Please specify	THD,TON	End	disconspec	text				
Does a request					- no	- 0		
for additional withdrawal of material from the study exist?	THD,TON	End	withdrawal	boolean	- yes	- 1		Not Available
Please select	THD	End	withdrawndata	boolean	- no	- 0		
each withdrawn			uuu	Socieuri	- yes	- 1		

material - Biosamples							
Please select each withdrawn material - MRI	THD	End	withdrawnsamples	boolean	- no	- 0	
scans					- yes	- 1	
Please select					- no	- 0	
each withdrawn material - All other data	THD	End	withdrawnscans	boolean	- yes	- 1	
Latest visit data					- No visit	- 0	
available and	THD,TON	End	last visit	single-	- Visit 1	- 1	
approved for	THD, TON	Ellu	last_visit	choice	- Visit 2	- 2	
analysis					- Visit 3	- 3	

4.2 Data File "assessment"

Label	Study	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Recoded HDID		Key Vars	subjid	text				PDS
Study Identifier (THD or TON)		Key Vars	studyid	text				PDS
Study		Key Vars	study	text				
Visit Name		Key Vars	visit	text				PDS
Day of visit (ref. to baseline)		Key Vars	visdy	number				PDS
Visit Status		Key Vars	visstat	text	 editing plausible signed reviewing 			PDS

				- completed		
				- checked		
Apathy-c Form	Key Vars	Apathy-c	number	- available	- 1	PDS
Apathy-s Form	Key Vars	Apathy-s	number	- available	- 1	PDS
BDI	Key Vars	BDI	number	- available	- 1	PDS
CAG History Form	Key Vars	CAG History	number	- available	- 1	PDS
Cognitive Form	Key Vars	Cognitive	number	- available	- 1	PDS
FrSBe-F Form	Key Vars	FrSBe-F	number	- available	- 1	PDS
FrSBe-S Form	Key Vars	FrSBe-S	number	- available	- 1	PDS
Function Form	Key Vars	Function	number	- available	- 1	PDS
Graphimetry Form	Key Vars	Graphimetry	number	- available	- 1	PDS
HADS-SIS Form	Key Vars	HADS-SIS	number	- available	- 1	PDS
HD History Form	Key Vars	HD History	number	- available	- 1	PDS
HDQ-D2-c Form	Key Vars	HDQ-D2-c	number	- available	- 1	PDS
HDQ-D2-p Form	Key Vars	HDQ-D2-p	number	- available	- 1	PDS
Irritability-c Form	Key Vars	Irritability-c	number	- available	- 1	PDS
Irritability-s Form	Key Vars	Irritability-s	number	- available	- 1	PDS
ISHD Form	Key Vars	ISHD	number	- available	- 1	PDS
Key Variables	Key Vars	Key Vars	number	- available	- 1	PDS
Medical History Form	Key Vars	Medical History	number	- available	- 1	PDS
Motor Form	Key Vars	Motor	number	- available	- 1	PDS
MRI Form	Key Vars	MRI	number	- available	- 1	PDS
MRI 1,5T Form	Key Vars	MRI 1,5T	number	- available	- 1	PDS
MRI 3T Form	Key Vars	MRI 3T	number	- available	- 1	PDS
fMRI QC Form	Key Vars	fMRI QC	number	- available	- 1	PDS
MRI DTI QC Form	Key Vars	MRI DTI QC	number	- available	- 1	PDS
Oculomotor Form	Key Vars	Oculomotor	number	- available	- 1	PDS
PBA-s Form	Key Vars	PBA-s	number	- available	- 1	PDS

Physical Activities Form	Key Vars	Physical Activities	number	- available	- 1	PDS
PSQI Form	Key Vars	PSQI	number	- available	- 1	PDS
QMotor Form	Key Vars	QMotor	number	- available	- 1	PDS
QOLI Form	Key Vars	QOLI	number	- available	- 1	PDS
Samples Form	Key Vars	Samples	number	- available	- 1	PDS
Samples ACD Form	Key Vars	Samples ACD	number	- available	- 1	PDS
Samples EDTA PX Form	Key Vars	Samples EDTA PX	number	- available	- 1	PDS
Samples EDTA ACD Form	Key Vars	Samples EDTA ACD	number	- available	- 1	PDS
Samples Other Form	Key Vars	Samples Other	number	- available	- 1	PDS
SF-36v2 Form	Key Vars	SF-36v2	number	- available	- 1	PDS
TFC Form	Key Vars	TFC	number	- available	- 1	PDS
TMS Form	Key Vars	TMS	number	- available	- 1	PDS
Variable Items Form	Key Vars	Variable Items	number	- available	- 1	PDS

5 Visit-Based Data Files

5.1 Form Schedules of Visits per Study

The information regarding the completeness of each form per Visit type (Visit1, Visit2, Visit3, Visit4) and per Study is in Table 5.

Table 5 Form completeness per study per visit type.

form	Visit 1	Visit 2	Visit 3	Visit 4
Apathy-c	TON	TON	THD, TON	THD
Apathy-s	TON	TON	THD, TON	THD
BDI II	THD, TON	THD, TON	THD, TON	THD
CAG History	THD, TON			
Cognitive	THD, TON	THD, TON	THD, TON	THD
fMRI QC			TON	
FrSBe-F	THD, TON	THD, TON	THD, TON	THD
FrSBe-S	THD, TON	THD, TON	THD, TON	THD
Function	THD, TON	THD, TON	THD, TON	THD
Graphimetry	THD	THD		
HADS-SIS	THD, TON	THD, TON	THD, TON	THD
HD History	THD		THD	THD
HDQ-D2-c	TON			THD
HDQ-D2-p	TON			THD
Irritability-c	TON	TON	THD, TON	THD
Irritability-s	TON	TON	THD, TON	THD
ISHD	THD	THD	THD	
Medical History	THD, TON			
Motor	THD, TON	THD, TON	THD, TON	THD
MRI	TON	TON	TON	
MRI 1.5T	THD	THD		
MRI 3T	THD	THD	THD	THD
MRI DTI QC	THD	THD	THD	THD
Oculomotor	THD, TON	THD, TON	THD	THD
PBA-s	THD	THD	THD	THD
Physical	TON			THD
Activities				
PSQI			THD	THD
QMotor	THD, TON	THD, TON	THD, TON	THD
QOLI	THD, TON	THD	THD	THD
Samples	TON	TON	TON	

Samples ACD	THD, TON	THD	THD	
Samples EDTA ACD	THD	THD	THD	THD
Samples EDTA PX	THD	THD	THD	THD
Samples Other	TON	TON TON		
SF-36v2	THD	THD	THD	
TFC	THD, TON	THD, TON	THD, TON	THD
TMS	TON	TON	TON	
Variable Items	THD, TON	THD, TON	THD, TON	THD

5.2 Key Variables for all studies

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Recoded HDID		Key Vars	subjid	text				PDS
Study ID		Key Vars	studyid	text				PDS
Visit Number		Key Vars	visitnum	number				Not Available
Form Number		Key Vars	nr	number				Not Available
Row Number		Key Vars	enr	number				Not Available
Visit Date		Key Vars	visdat	date				Not Available
Day of visit (ref. to baseline)		Key Vars	visdy	number				PDS
Visit Status		Key Vars	visstat	text	 editing plausible signed reviewing completed checked 			PDS

5.3 Data files "track" and "trackon"

5.3.1 Form "Apathy-c"

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Date of data obtained	THD (V3,V4); TON (V1,V2,V3)	Apathy-c	acjcdtc_c	date				Not
Date data obtained (precision)	THD (V3,V4); TON (V1,V2,V3)	Apathy-c	acjcdtc prec_c	single- choice	- precision in days m	- d		Available
Day of data obtained	THD (V3,V4)	Apathy-c	acjcdy_c	number				PDS
Date data obtained (precision)	THD (V4); TON (V1,V2,V3)	Apathy-c	acjcdy_cprec	single- choice	- precision in days m	- d		
Score	THD (V3,V4); TON (V1,V2,V3)	Apathy-c	apathycscore_ c	number				
Is he/she	THD				- not at all	- 0		Not
interested in	(V3,V4);	Apathy-c	learning_c	single-	- slightly	- 1		Available
learning new	TON	Apacity c		choice	- some	- 2		
things?	(V1,V2,V3)				- a lot	- 3		
	THD			- not at all	- 0			
Does anything	(V3,V4);	Apathy-c	interest_ c	single-	- slightly	- 1	1	
interest him/her?	TON	, patry-t		choice	- some	- 2		
	(V1,V2,V3)				- a lot	- 3		

Does someone	THD				- not at all	- 0	
have to tell	(V3,V4);	Apathy	todo c	single-	- slightly	- 1	
him/her what to	TON	Apathy-c		choice	- some	- 2	
do each day?	(V1,V2,V3)				- a lot	- 3	
Is he/she	THD				- not at all	- 0	
concerned about	(V3,V4);	Apathy-c	condition c	single-	- slightly	- 1	
his/her	TON	Араспу-с		choice	- some	- 2	
condition?	(V1,V2,V3)				- a lot	- 3	
/ .	THD				- not at all	- 0	
Is he/she indifferent to	(V3,V4);	Apathy-c	indifferent_ c	single-	- slightly	- 1	
things?	TON			choice	- some	- 2	
(V1,V2,V3)	V3)			- a lot	- 3		
a 1 (1) .	THD				- not at all	- 0	
Does he/she put much effort into (V3,V4);); Apathy-c e	effort c	single-	- slightly	- 1		
things?	TON			choice	- some	- 2	
	(V1,V2,V3)				- a lot	- 3	
	THD				- not at all	- 0	
Is he/she always looking for	(V3,V4);	Apathy-c	something_c	single- choice	- slightly	- 1	
something to do?	TON	Араспу-с			- some	- 2	
	(V1,V2,V3)				- a lot	- 3	
Does he/she	THD				- not at all	- 0	
have plans and	(V3,V4);	Apathy-c	future_c	single-	- slightly	- 1	
goals for the	TON	Араспу-с	luture_c	choice	- some	- 2	
future?	(V1,V2,V3)				- a lot	- 3	
	THD				- not at all	- 0	
	(V3,V4);	Anathy	motivation_c	single-	- slightly	- 1	
	-	Apathy-c		choice	- some	- 2	
	(V1,V2,V3)				- a lot	- 3	
		Apathy-c	energy_c		- not at all	- 0	

Does he/she have energy for daily activities?	THD (V3,V4); TON (V1,V2,V3)			single- choice	- slightly - some - a lot	- 1 - 2 - 3	
Is he/she unconcerned with many things?	THD (V3,V4); TON (V1,V2,V3)	Apathy-c	unconcern_ c	single- choice	 not at all slightly some a lot 	- 0 - 1 - 2 - 3	
Does he/she need a push to get started on things?	THD (V3,V4); TON (V1,V2,V3)	Apathy-c	push_c	single- choice	 not at all slightly some a lot 	- 0 - 1 - 2 - 3	
Is he/she neither happy nor sad, just in between, no matter what happens?	THD (V3,V4); TON (V1,V2,V3)	Apathy-c	between_c	single- choice	 not at all slightly some a lot 	- 0 - 1 - 2 - 3	
Would you consider him/her to be apathetic?	THD (V3,V4); TON (V1,V2,V3)	Apathy-c	apathetic_c	single- choice	 not at all slightly some a lot 	- 0 - 1 - 2 - 3	

5.3.2 Form "Apathy-s"

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Date of data obtained	THD (V3,V4); TON (V1,V2,V3)	Apathy-s	acjcdtc	date				Not Available

Date data obtained (precision)	THD (V3,V4); TON (V1,V2,V3)	Apathy-s	acjcdtc prec	single- choice	- precision in days m	- d	
Day of date obtained	THD (V3,V4)	Apathy-s	acjcdy	number			PDS
Date data obtained (precision)	THD (V3,V4); TON (V1,V2,V3)	Apathy-s	acjcdyprec	single- choice	- precision in days m	- d	
Score	THD (V3,V4); TON (V1,V2,V3)	Apathy-s	apathysscore	number			
Are you	THD				- not at all	- 0	
interested in	(V3,V4);	Apathy-s	learning	single-	- slightly	- 1	
learning new	TON	Apathy-s	leanning	choice	- some	- 2	
things?	(V1,V2,V3)				- a lot	- 3	Not
	THD				- not at all	- 0	Available
Does anything	(V3,V4);	Apathy-s	interest	single-	- slightly	- 1	Available
interest you?	TON	Apatily-5	linterest	choice	- some	- 2	
	(V1,V2,V3)				- a lot	- 3	
Does someone	THD				- not at all	- 0	
have to tell you	(V3,V4);	Apathy-s	todo	single-	- slightly	- 1	
what to do each	TON	Apatily-5		choice	- some	- 2	
day?	(V1,V2,V3)				- a lot	- 3	
A	THD				- not at all	- 0	
Are you concerned about	(V3,V4);	Apathy-s	condition	single-	- slightly	- 1	
your condition?	TON	Apatity-5		choice	- some	- 2	
,	(V1,V2,V3)				- a lot	- 3	

	THD				- not at all	- 0	
Are you indifferent to	(V3,V4);	Anothy	indifferent	single-	- slightly	- 1	
things?	TON	Apathy-s	indifferent	choice	- some	- 2	
tinigs:	(V1,V2,V3)				- a lot	- 3	
	THD				- not at all	- 0	
Do you put much effort into	(V3,V4);	Apathy-s	effort	single-	- slightly	- 1	
things?	TON	Apathy-s	enore	choice	- some	- 2	
	(V1,V2,V3)				- a lot	- 3	
	THD				- not at all	- 0	
Are you always looking for	(V3,V4);	Apathy-s	something	single-	- slightly	- 1	
something to do?	TON	Apathy-s	Sometining	choice	- some	- 2	
	(V1,V2,V3)				- a lot	- 3	
	THD				- not at all	- 0	
Do you have plans and goals	(V3,V4);	Apathy-s	future_apathy	single-	- slightly	- 1	
for the future?	TON	Apathy-s	Tuture_apatity	choice	- some	- 2	
for the fatare.	(V1,V2,V3)				- a lot	- 3	
	THD				- not at all	- 0	
Do you have	(V3,V4);	Apathy-s	motivation	single-	- slightly	- 1	
motivation?	TON	Apathy-s	motivation	choice	- some	- 2	
	(V1,V2,V3)				- a lot	- 3	
	THD				- not at all	- 0	
Do you have energy for daily	(V3,V4);	Apathy-s	energy_apathy	single-	- slightly	- 1	
activities?	TON	Apathy-s	energy_apatily	choice	- some	- 2	
	(V1,V2,V3)				- a lot	- 3	
Are you	THD				- not at all	- 0	
unconcerned	(V3,V4);	Apathy c	unconcern	single-	- slightly	- 1	
with many	TON	Apathy-s unconcern	choice	- some	- 2		
things?	(V1,V2,V3)				- a lot	- 3	
		Apathy-s	push		- not at all	- 0	

Do you need a	THD				- slightly	- 1	
push to get	(V3,V4);			single-	- some	- 2	
started on things?	TON (V1,V2,V3)			choice	- a lot	- 3	
Do you feel					- not at all	- 0	
neither happy	THD				- slightly	- 1	
nor sad, just in	(V3,V4);	Apathy-s	between	single-	- some	- 2	
between, no matter what happens?	TON (V1,V2,V3)			choice	- a lot	- 3	
	THD				- not at all	- 0	
Do you think you	(V3,V4);	Apathy c	anathotic	single-	- slightly	- 1	
are apathetic?	TON	Apathy-s	apathetic	choice	- some	- 2	
	(V1,V2,V3)				- a lot	- 3	

5.3.3 Form "BDI II"

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Beck Depression Score	THD (V1,V2,V3,V4); TON (V1,V2,V3)	BDI	bditotal	number				
					- I do not feel sad	- 0		
	THD (V1,V2,V3,V4);			single-	 I feel sad much of the time 	- 1		PDS
1. Sadness	TON	BDI	asad	choice	- I am sad all the time	- 2		
	(V1,V2,V3)				 I am so sad or unhappy that I can't stand it 	- 3		
2. Pessimism	THD (V1,V2,V3,V4);	BDI	bdiscourage	single- choice	 I am not discouraged about my future 	- 0		

	TON (V1,V2,V3)				 I feel more discouraged about my future than I used to be 	- 1	
					 I do not expect things to work out for me 	- 2	
					 I feel my future is hopeless and will only get worse 	- 3	
					- I do not feel like a failure	- 0	
				single	 I have failed more than I should have 	- 1	
3. Past Failure	(V1,V2,V3,V4); TON (V1,V2,V3)	BDI	cfailure	single- choice	 As I look back, I see a lot of failures 	- 2	
	(*1,*2,*3)				 I feel I am a total failure as a person 	- 3	
					 I get as much pleasure as I ever did from the things I enjoy 	- 0	
4. Loss of	THD (V1,V2,V3,V4);			single-	 I don't enjoy things as much as I used to 	- 1	
Pleasure	(V1,V2,V3,V4), TON (V1,V2,V3)	BDI	dsatisfaction	choice	 I get very little pleasure from the things I used to enjoy 	- 2	
					 I can't get any pleasure from the things I used to enjoy 	- 3	
	THD (V1,V2,V3,V4);			single-	 I don't feel particularly guilty 	- 0	
5. Guilty Feelings	(V1,V2,V3,V4); TON (V1,V2,V3)	BDI	eguilty	choice	 I feel guilty over many things I have done or should have done 	- 1	

					- I feel quite guilty most of the time	- 2	
					- I feel guilty all of the time	- 3	
	THD				 I don't feel I am being punished 	- 0	
6. Punishment Feelings	(V1,V2,V3,V4); TON	BDI	fpunished	single- choice	- I feel I may be punished	- 1	
reenings	(V1,V2,V3)			choice	- I expect to be punished	- 2	
	(*1,*2,*3)				- I feel I am being punished	- 3	
	TUD				 I feel the same about myself as ever 	- 0	
7. Self-Dislike	THD (V1,V2,V3,V4); TON	BDI	gdisappointed	single- choice	 I have lost confidence in myself 	- 1	
	(V1,V2,V3)			choice	 I am disappointed in myself 	- 2	
					- I dislike myself	- 3	
					 I don't criticize or blame myself more than usual 	- 0	
8. Self-	THD (V1,V2,V3,V4);			single-	 I am more critical of myself than I used to be 	- 1	
Criticalness	(V1,V2,V3,V4), TON (V1,V2,V3)	BDI	hblame	choice	 I criticize myself for all of my faults 	- 2	
	(,,,,,,,,,,,,,				 I blame myself for everything bad that happens 	- 3	
	THD				 I don't have any thoughts of killing myself 	- 0	
9. Suicidal Thoughts or Wishes	(V1,V2,V3,V4); TON (V1,V2,V3)	BDI	ikill	single- choice	 I have thoughts of killing myself, but I would not carry them out 	- 1	
					- I would like to kill myself	- 2	

					 I would kill myself if I had the chance 	- 3	
	THD				 I don't cry any more than I used to 	- 0	
10. Crying	(V1,V2,V3,V4);	BDI	jcry	single-	- I cry more than I used to	- 1	
10. CI YING	TON		Jury	choice	- I cry over every little thing	- 2	
	(V1,V2,V3)				 I feel like crying, but I can't 	- 3	
					 I am no more restless or wound up than usual 	- 0	
	THD				- I feel more restless or wound up than usual	- 1	
11. Agitation	(V1,V2,V3,V4); TON (V1,V2,V3)	BDI	kagitation	single- choice	 I am so restless or agitated that it's hard to stay still 	- 2	
					 I am so restless or agitated that I have to keep moving or doing something 	- 3	
					- I have not lost interest in other people or activities	- 0	
12. Loss of	THD (V1,V2,V3,V4);	BDI	lintoroot	single-	 I am less interested in other people or things than before 	- 1	
Interest	TON (V1,V2,V3)	ועם	linterest	choice	 I have lost most of my interest in other people or things 	- 2	
					 It's hard to get interested in anything 	- 3	
13. Indecisiveness	THD (V1,V2,V3,V4);	BDI	mdesicions	single- choice	 I make decisions about as well as ever 	- 0	

	TON (V1,V2,V3)				- I find it more difficult to make decisions than usual	- 1	
					 I have much greater difficulty in making decisions than I used to 	- 2	
					- I have trouble making any decisions	- 3	
					 I do not feel I am worthless 	- 0	
14. Worthlessness	THD (V1,V2,V3,V4); TON	BDI	nworthlessness	single- choice	 I don't consider myself as worthwhile and useful as I used to 	- 1	
	(V1,V2,V3)				- I feel more worthless as compared to other people	- 2	
					- I feel utterly worthless	- 3	
					 I have as much energy as ever 	- 0	
15. Loss of	THD (V1,V2,V3,V4);			single-	 I have less energy than I used to have 	- 1	
Energy	TON (V1,V2,V3)	BDI	oenergy	choice	 I don't have enough energy to do very much 	- 2	
					 I don't have enough energy to do anything 	- 3	
16. Changes in Sleeping Pattern	THD (V1,V2,V3,V4); TON (V1,V2,V3)	BDI	psleep	single- choice	 I have not experienced any change in my sleeping pattern 1a 	- 0	
17. Irritability	THD (V1,V2,V3,V4);	BDI	qirritability	single-	- I am no more irritable than usual	- 0	
17. Initability	TON (V1,V2,V3)		quincounty	choice	- I am more irritable than usual	- 1	

					 I am much more irritable than usual I am irritable all the time 	- 2 - 3	
18. Changes in Appetite	THD (V1,V2,V3,V4); TON (V1,V2,V3)	BDI	rappetite	single- choice	- I have no experienced any change in my appetite 1a	- 0	
					 I can concentrate as well as ever 	- 0	
19.	THD (V1,V2,V3,V4);			single-	 I can't concentrate as well as usual 	- 1	
Concentration Difficulty	TON (V1,V2,V3)	BDI	sconcentration	choice	 It's hard to keep my mind on anything for very long 	- 2	
					 I find I can't concentrate on anything 	- 3	
					 I am no more tired or fatigued than usual 	- 0	
20 7	THD				 I get more tired or fatigued more easily than usual 	- 1	
20. Tiredness or Fatigue	(V1,V2,V3,V4); TON (V1,V2,V3)	BDI	tfatigue	single- choice	 I am too tired or fatigued to do a lot of the things I used to do 	- 2	
					- I am too tired or fatigued to do most of the things I used to do	- 3	
21. Loss of	THD (V1,V2,V3,V4);	BDI	usex	single-	 I have not noticed any recent change in my interest in sex 	- 0	
Interest in Sex	TON (V1,V2,V3)			choice	- I am less interested in sex than I used to be	- 1	

	- I am much less interested in sex now	- 2	
	- I have lost interest in sex completely	- 3	

5.3.4 Form "CAG History"

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Date of laboratory report	THD (V1); TON (V1)	CAG History	datecag	date				Not
Date of laboratory report (precision)	THD (V1); TON (V1)	CAG History	datecag prec	single- choice				Available
Day of Laboratory Report	THD (V1); TON (V1)	CAG History	lbdy	number				PDS
Were the exact repeat lengths	THD (V1);	CAG			- no	- 0		Not
given in the laboratory report?	TON (V1)	History	repeatsinreport	boolean	- yes	- 1		Available
Allele 1 CAG repeat length (smaller allele)	THD (V1); TON (V1)	CAG History	allelesmall	number				PDS

Allele 2 CAG repeat length (larger allele)	THD (V1); TON (V1)	CAG History	allelelarge	number			
Analyzing laboratory	THD (V1); TON (V1)	CAG History	analyselab	text			
	THD				- no	- 0	
Comments	(V1); TON (V1)	CAG History	commentcag	boolean	- yes	- 1	Not Available
Enter comment	THD (V1); TON (V1)	CAG History	commentcagtxt	text			

5.3.5 Form "Cognitive"

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Recent hand or wrist injuries	TON (V1,V2,V3)	Cognitive	injuries	boolean	- no - yes	- 0 - 1		
Recent pain in hand or wrist	TON (V1,V2,V3)	Cognitive	pain_cogn	boolean	- no - yes	- 0 - 1		
History of arthritis in hand or wrist	TON (V1,V2,V3)	Cognitive	arthritis	boolean	- no - yes	- 0 - 1		PDS
Musical expertise, expertise as a typist, extensive	TON (V1,V2,V3)	Cognitive	expertise	boolean	- no - yes	- 0 - 1		

use of video games or extensive use of SMS (texting)								
Total number of correct responses	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	sdmt_correct	number				
Stroop Test -					- not started	- 0		
Word Reading Condition	TON (V1,V2,V3)	Cognitive	stroop_ton	single- choice	- yes	- 1	-	
completed	(V1,V2,V3)			choice	- partial data	- 2		
RAW data	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	ptap_raw	text				Not
Digital Fingerprint (MD5) of the RAW Data	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	ptap_md5	text				Available
Number of correctly pronounced words	THD (V1); TON (V1)	Cognitive	iq_correct	number				PDS
Spot the Change	TON			single-	- not started	- 0		
Task completed	(V1,V2,V3)	Cognitive	spot	choice	- yes	- 1		
					- partial data	- 2		
RAW data	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	spot_raw	text				Not Available

Digital Fingerprint (MD5) of the RAW Data	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	spot_md5	text			
Hit rate	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	spot_setsize5_ hitrate	number			
Hit rate	THD (V2,V3,V4); TON (V1,V2,V3)	Cognitive	spot_setsize7_ hitrate	number			
Correct rejection rate	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	spot_setsize5_ correjectrate	number			
Correct rejection rate	THD (V2,V3,V4); TON (V1,V2,V3)	Cognitive	spot_setsize7_ correjectrate	number			PDS
Number correct	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	spot_setsize5_ k	number			
Number correct	THD (V2,V3,V4); TON (V1,V2,V3)	Cognitive	spot_setsize7_ k	number			
Total percent correct	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	spot_setsize5_ percentcorrect	number		%	

Total percent correct	THD (V2,V3,V4); TON (V1,V2,V3)	Cognitive	spot_setsize7_ percentcorrect	number			%	
Map Search Test completed	TON (V1,V2,V3)	Cognitive	msearch_ton	single- choice	 not started yes partial data 	- 0 - 1 - 2		
Total number correctly found in 1 min	THD (V3,V4); TON (V1,V2,V3)	Cognitive	msearch_totcorr_1min	number				
Total number correctly found in 2 min	THD (V3,V4); TON (V1,V2,V3)	Cognitive	msearch_totcorr_ 2min	number				
Total number of incorrectly identified symbols in 2 min	THD (V3,V4); TON (V1,V2,V3)	Cognitive	msearch_totincorr_ 2min	number				
Circle Tracing Task completed	TON (V1,V2,V3)	Cognitive	circle	single- choice	 not started yes partial data 	- 0 - 1 - 2		
RAW data	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	circle_raw	text				Not
Digital Fingerprint (MD5) of the RAW Data	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	circle_md5	text				Available
Number of rotations completed	THD (V1,V2,V3,V4);	Cognitive	circle_ind_ all_numrot	number				PDS

	TON (V1,V2,V3)					
Number of deviations beyond outer edge of annulus	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	circle_ind_ all_outerr_ numdev	number		
Number of deviations inside inner edge of annulus	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	circle_ind_ all_inerr_ numdev	number		
Milliseconds within the annulus	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	circle_ind_ all_annulus_t	number		
Milliseconds beyond outer edge of annulus moving away from annulus	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	circle_ind_ all_outerraway_ t	Number		
Milliseconds beyond outer edge of annulus moving toward annulus	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	circle_ind_ all_outerrto_t	number		
Milliseconds inside inner edge of annulus moving away from annulus	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	circle_ind_ all_inerraway_t	number		
Milliseconds inside inner edge of annulus	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	circle_ind_all_inerrto_t	number		

moving toward annulus						
Centimeters of ink laid within the annulus	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	circle_ind_ all_annulus_l	number		
Centimeters of ink laid outside outer edge of annulus moving away from annulus	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	circle_ind_ all_outerraway_ l	number		
Centimeters of ink laid outside outer edge of annulus moving toward annulus	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	circle_ind_ all_outerrto_l	number		
Centimeters of ink laid inside inner edge of annulus moving away from annulus	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	circle_ind_ all_inerraway_l	number		
Centimeters of ink laid inside inner edge of annulus moving toward annulus	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	circle_ind_ all_inerrto_l	number		
Mean theta over all sampled points	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	circle_ind_ all_theta_mean	number		

Mean radius over all sampled points	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	circle_ind_ all_radius_mean	number		
Number of rotations completed	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	circle_dir_ all_numrot	number		
Number of deviations beyond outer edge of annulus	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	circle_dir_ all_outerr_ numdev	number		
Number of deviations inside inner edge of annulus	TON (V1,V2,V3)	Cognitive	circle_dir_ all_inerr_ numdev	number		
Milliseconds within the annulus	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	circle_dir_ all_annulus_t	number		
Milliseconds beyond outer edge of annulus moving away from annulus	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	circle_dir_ all_outerraway_ t	number		
Milliseconds beyond outer edge of annulus moving toward annulus	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	circle_dir_all_outerrto_t	number		
Milliseconds inside inner edge of annulus	THD (V1,V2,V3,V4);	Cognitive	circle_dir_ all_inerraway_t	number		

moving away from annulus	TON (V1,V2,V3)					
Milliseconds inside inner edge of annulus moving toward annulus	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	circle_dir_ all_inerrto_t	number		
Centimeters of ink laid within the annulus	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	circle_dir_ all_annulus_l	number		
Centimeters of ink laid outside outer edge of annulus moving away from annulus	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	circle_dir_ all_outerraway_ l	number		
Centimeters of ink laid outside outer edge of annulus moving toward annulus	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	circle_dir_ all_outerrto_l	number		
Centimeters of ink laid inside inner edge of annulus moving away from annulus	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	circle_dir_ all_inerraway_l	number		
Centimeters of ink laid inside inner edge of annulus moving toward annulus	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	circle_dir_ all_inerrto_l	number		

Mean theta over all sampled points	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	circle_dir_ all_theta_mean	number			
Mean radius over all sampled points	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	circle_dir_ all_radius_mean	number			
Cancellation Task completed	TON (V1,V2,V3)	Cognitive	cancel	single- choice	 not started yes partial data 	- 0 - 1 - 2	
Digit Number of Errors in	TON (V1,V2,V3)	Cognitive	cancel_digit_errors_45s	number			
Digit Number of Errors in	TON (V1,V2,V3)	Cognitive	cancel_digit_errors_90s	number			
Digit Number correct in	TON (V1,V2,V3)	Cognitive	cancel_digit_ totalcorrect_ 45s	number			
Digit Number correct in	TON (V1,V2,V3)	Cognitive	cancel_digit_ totalcorrect_ 90s	number			
Figure_Number of Errors in	TON (V1,V2,V3)	Cognitive	cancel_fig_errors_45s	number			
Figure_Number of Errors in	TON (V1,V2,V3)	Cognitive	cancel_fig_errors_90s	number			
Figure Number correct in	TON (V1,V2,V3)	Cognitive	cancel_fig_totalcorrect_ 45s	number			
Figure Number correct in	TON (V1,V2,V3)	Cognitive	cancel_fig_totalcorrect_ 90s	number			
Digital Fingerprint (MD5) of the RAW Data	TON (V1,V2,V3)	Cognitive	cancel_md5	text			Not Available

Reason for non- completion	TON (V1)	Cognitive	cancel_noncompl	single- choice	 subject unable to complete STOP THE TASK protocol applied equipment failure other 	- 1 - 2 - 3 - 4	PDS
RAW data	TON (V1,V2,V3)	Cognitive	cancel_raw	text			Not Available
Counting, Centimeters of ink laid within the annulus	TON (V1,V2,V3)	Cognitive	circle_cnt_ direct_all_ ann_lgth	number			
Counting, Total Number of Correct Numbers counted aloud	TON (V1,V2,V3)	Cognitive	circle_cnt_ direct_totalcorrect	number			
Counting, Total Number of Numbers counted aloud	TON (V1,V2,V3)	Cognitive	circle_cnt_ direct_totalnumber	number			PDS
Counting, Centimeters of ink laid within the annulus	TON (V1,V2,V3)	Cognitive	circle_cnt_ indirect_all_ ann_lgth	number			
Counting, Total Number of Correct Numbers counted aloud	TON (V1,V2,V3)	Cognitive	circle_cnt_ indirect_totalcorrect	number			
Counting, Total Number of	TON (V1,V2,V3)	Cognitive	circle_cnt_ indirect_totalnumber	number			

Numbers counted aloud							
					 subject unable to complete 	- 1	
Reason for non- completion	TON (V1)	Cognitive	circle_noncompl	single- choice	 STOP THE TASK protocol applied 	- 2	Not
					- equipment failure	- 3	Available
					- other	- 4	
Please explain	TON (V1,V2,V3)	Cognitive	circle_noncompl_ cmnt	text			
IQ Covariate				single	- not started	- 0	
completed	THD (V1); TON (V1)	Cognitive	iq	single- choice	- yes	- 1	
completed	(*1)			choice	- partial data	- 2	
					- NART-2	- 1	
				single-	- ANART	- 2	
Test	TON (V1)	Cognitive	iq_test	choice	- DART	- 3	
					- Echelle de vocabulaire Mill Hill	- 4	PDS
					 subject unable to complete 	- 1	
Reason for non- completion	TON (V2,V3)	Cognitive	mrot_noncompl	single- choice	- STOP THE TASK protocol applied	- 2	
•					- equipment failure	- 3	
					- other	- 4	
Please explain	TON (V1,V2,V3)	Cognitive	mrot_noncompl_ cmnt	text			Not Available
Self Paced	TON				- not started	- 0	
Tapping Task	TON (V1,V2,V3)	Cognitive	ptap	single- choice	- yes	- 1	PDS
completed	ted (V1,V2,V3)	CHOICE	- partial data	- 2			

Average signed deviation from target intervals	TON (V1,V2,V3)	Cognitive	ptap_3hz_ all_self_iti_ asgnd	number				
Standard deviation of intertap intervals	TON (V1,V2,V3)	Cognitive	ptap_3hz_ all_self_iti_sd	number				
Average signed deviation from target intervals	TON (V1,V2,V3)	Cognitive	ptap_3hz_ all_tone_iti_ asgnd	number				
Standard deviation of intertap intervals	TON (V1,V2,V3)	Cognitive	ptap_3hz_ all_tone_iti_sd	number				
					 subject unable to complete 	- 1		
Reason for non- completion	TON (V1,V2,V3) Cognit	Cognitive	ve ptap_noncompl	single- choice	- STOP THE TASK protocol applied	- 2		
·					- equipment failure	- 3		
					- other	- 4		
Symbol Digit					- not started	- 0		
Modalities Test	TON	Cognitive	sdmt	single-	- yes	- 1		
(SDMT) completed	(V1,V2,V3)	_		choice	- partial data	- 2		
					 subject unable to complete 	- 1		
Reason for non- completion	TON (V2,V3)	Cognitive	sdmt_noncompl	single- choice	 STOP THE TASK protocol applied 	- 2		
					- equipment failure	- 3] [
					- other	- 4		
Reason for non- completion	TON (V1,V2,V3)	Cognitive	spot_noncompl	single- choice	 subject unable to complete 	- 1		

					 STOP THE TASK protocol applied equipment failure other 	- 2 - 3 - 4		
Please explain	TON (V1,V2,V3)	Cognitive	spot_noncompl_ cmnt	text				Not Available
Number of words correct in 45 seconds	TON (V1,V2,V3)	Cognitive	stroop_correct	number				
Mental Rotation	TON			single-	- not started	- 0	-	PDS
Task completed	(V1,V2,V3)	Cognitive	mrot_ton	choice	- yes	- 1	-	
•					 partial data 	- 2		
RAW data	THD (V3,V4); TON (V1,V2,V3)	Cognitive	mrot_raw	text				Not
Digital Fingerprint (MD5) of the RAW Data	THD (V3,V4); TON (V1,V2,V3)	Cognitive	mrot_md5	text				Available
Trials adminstered	THD (V3,V4); TON (V1,V2,V3)	Cognitive	mrot_all_ numadministered	number				
Trials responded to correctly	THD (V3,V4); TON (V1,V2,V3)	Cognitive	mrot_all_ percentcor	number			%	
Trials responded correctly for orientation - 1	THD (V3,V4); TON (V1,V2,V3)	Cognitive	mrot_ang1_ percentcor	number			%	PDS
Trials responded correctly for	THD (V3,V4); TON (V1,V2,V3)	Cognitive	mrot_ang2_ percentcor	number			%	

orientation - 2 and 6							
Trials responded correctly for orientation - 3 and 5	THD (V3,V4); TON (V1,V2,V3)	Cognitive	mrot_ang3_ percentcor	number		%	
Trials responded correctly for orientation - 4	THD (V3,V4); TON (V1,V2,V3)	Cognitive	mrot_ang4_ percentcor	number		%	
Mean response times for correctly responded to "same" trials at orientation - 1	THD (V3,V4); TON (V1,V2,V3)	Cognitive	mrot_corang1same_ meanrt	number			
Mean response times for correctly responded to "same" trials at orientation - 2 and 6	THD (V3,V4); TON (V1,V2,V3)	Cognitive	mrot_corang2same_ meanrt	number			
Mean response times for correctly responded to "same" trials at orientation - 3 and 5	THD (V3,V4); TON (V1,V2,V3)	Cognitive	mrot_corang3same_ meanrt	number			

Mean response times for correctly responded to "same" trials at orientation - 4	THD (V3,V4); TON (V1,V2,V3)	Cognitive	mrot_corang4same_ meanrt	number				
mean response times	THD (V3,V4); TON (V1,V2,V3)	Cognitive	mrot_corsame_ meanrt	number				
speed of rotation	THD (V3,V4); TON (V1,V2,V3)	Cognitive	mrot_corsame_ rotationspeed	number			ms/degree	
Do you suffer	THD				- no	- 0		
from smell problems	(V1,V2,V3)	Cognitive	smellproblems	boolean	- yes	- 1		
Please specify	THD (V1,V2,V3)	Cognitive	smellproblemsspec	text				Not Available
Do you suffer from taste problems	THD (V1,V2,V3)	Cognitive	tasteproblems	boolean	- no - yes	- 0 - 1	-	PDS
Please specify	THD (V1,V2,V3)	Cognitive	tasteproblemsspec	text				Not Available
History of	THD			single-	- never smoked	- 1		
smoking	(V1,V2,V3)	Cognitive	smoking	choice	- ex-smoker	- 2		
tobacco					 currently smokes 	- 3		
How many cigarettes per day	THD (V1,V2,V3)	Cognitive	numbercigarettes	number				PDS
How many cigars per day	THD (V1,V2,V3)	Cognitive	numbercigars	number				
Other per day	THD (V1,V2,V3)	Cognitive	numberothers	number				

	THD			Ι	- no	- 0	
Do you inhale	(V1,V2,V3)	Cognitive	inhalation	boolean	- yes	- 1	
When did you start	THD (V1,V2,V3)	Cognitive	startsmoking	number			
When did you stop	THD (V1,V2,V3)	Cognitive	stopsmoking	number			
Did your smell ability change after stopping	THD (V1,V2,V3)	Cognitive	smellchanges	boolean	- no - yes	- 0 - 1	
Please specify	THD (V1,V2,V3)	Cognitive	smellchangesspec	text			Not Available
Symbol Digit					- no	- 0	
Modalities Test (SDMT) completed	THD (V1,V2,V3,V4)	Cognitive	digit	boolean	- yes	- 1	
Stroop Test -					- no	- 0	
Word Reading Condition completed	THD (V1,V2,V3,V4)	Cognitive	stroop_thd	boolean	- yes	- 1	PDS
Number of words correct in 45 seconds	THD (V1,V2,V3,V4)	Cognitive	swr_correct	number			
Start time	THD (V1,V2)	Cognitive	swr_starth	number			
Start time	THD (V1,V2)	Cognitive	swr_startm	number			Not Available
Finish time	THD (V1,V2)	Cognitive	swr_finishh	number			Available
Finish time	THD (V1,V2)	Cognitive	swr_finishm	number			
Trail Making Test Part A completed	THD (V1,V2,V3)	Cognitive	traila	boolean	- no - yes	- 0 - 1	PDS

Time to complete Trails A	THD (V1,V2,V3)	Cognitive	traila_time	number			
Start time	THD (V1,V2)	Cognitive	triala_starth	number			
Start time	THD (V1,V2)	Cognitive	triala_startm	number			Not Available
Finish time	THD (V1,V2)	Cognitive	triala_finishh	number			Available
Finish time	THD (V1,V2)	Cognitive	triala_finishm	number			
Number of errors	THD (V1,V2,V3)	Cognitive	triala_error	number			
Trail Making	THD				- no	- 0	
Test Part B completed	(V1,V2,V3)	Cognitive	trailb	boolean	- yes	- 1	PDS
Time to complete Trails B	THD (V1,V2,V3)	Cognitive	trailb_time	number			
Start time	THD (V1,V2)	Cognitive	trialb_starth	number			
Start time	THD (V1,V2)	Cognitive	trialb_startm	number			Not
Finish time	THD (V1,V2)	Cognitive	trialb_finishh	number			Available
Finish time	THD (V1,V2)	Cognitive	trialb_finishm	number			
Number of errors	THD (V1,V2,V3)	Cognitive	trialb_error	number			
Point of View		Cognitivo		haalaan	- no	- 0	PDS
Task completed	THD (V1)	Cognitive	pov	boolean	- yes	- 1	
RAW data	THD (V1)	Cognitive	pov_raw	text			Not Available
Speeded Tapping Task completed	THD (V1,V2)	Cognitive	st	boolean	- no - yes	- 0 - 1	PDS

RAW data	THD (V1,V2)	Cognitive	stap_raw	text			
Digital Fingerprint (MD5) of the RAW Data	THD (V1,V2)	Cognitive	stap_md5	text			Not Available
Mean of intertap intervals (all trials)	THD (V1,V2)	Cognitive	stap_alltrials_ intertapinterval_ mean	number			
Standard Deviation of intertap intervals (all trials)	THD (V1,V2)	Cognitive	stap_alltrials_ intertapinterval_ stddev	number			PDS
Start time	THD (V1)	Cognitive	stap_starth	number			
Start time	THD (V1)	Cognitive	stap_startm	number			Not Available
Finish time	THD (V1)	Cognitive	stap_finishh	number			Available
Finish time	THD (V1)	Cognitive	stap_finishm	number			
Speeded Tapping Task with Serial 2s completed	THD (V1,V2)	Cognitive	st2_cogn	boolean	- no - yes	- 0 - 1	PDS
RAW data	THD (V1,V2)	Cognitive	stap2_raw	text			
Digital Fingerprint (MD5) of the RAW Data	THD (V1,V2)	Cognitive	stap2_md5	text			Not Available
100 No Tap	THD (V1,V2)	Cognitive	stap2_trial1_ subtract_cogn	number			PDS

100 No Tap	THD (V1,V2)	Cognitive	stap2_trial1_ errors_cogn	number			
99 Tap	THD (V1,V2)	Cognitive	stap2_trial2_ subtract_cogn	number			
99 Тар	THD (V1,V2)	Cognitive	stap2_trial2_ errors_cogn	number			
98 Tap	THD (V1,V2)	Cognitive	stap2_trial3_ subtract_cogn	number			
98 Tap	THD (V1,V2)	Cognitive	stap2_trial3_ errors_cogn	number			
97 Tap	THD (V1,V2)	Cognitive	stap2_trial4_ subtract_cogn	number			
97 Tap	THD (V1,V2)	Cognitive	stap2_trial4_ errors_cogn	number			
96 Tap	THD (V1,V2)	Cognitive	stap2_trial5_ subtract_cogn	number			
96 Tap	THD (V1,V2)	Cognitive	<pre>stap2_trial5_ errors_cogn</pre>	number			
95 Tap	THD (V1,V2)	Cognitive	stap2_trial6_ subtract_cogn	number			
95 Tap	THD (V1,V2)	Cognitive	stap2_trial6_ errors_cogn	number			
Mean of intertap intervals (all trials)	THD (V1,V2)	Cognitive	stap2_alltrials_ intertapinterval_ mean	number			
Standard Deviation of intertap intervals (all trials)	THD (V1,V2)	Cognitive	stap2_alltrials_ intertapinterval_ stddev	number			
Start time	THD (V1)	Cognitive	stap2_starth	number			
Start time	THD (V1)	Cognitive	stap2_startm	number			Not Available
Finish time	THD (V1)	Cognitive	stap2_finishh	number			Available
Finish time	THD (V1)	Cognitive	stap2_finishm	number			
		Cognitive	pt	boolean	- no	- 0	PDS

Self Paced Tapping Task completed	THD (V1,V2,V3,V4)				- yes	- 1	
Standard deviation of intertap intervals	THD (V1,V2,V3,V4)	Cognitive	ptap_3hz_ alltrials_ tone_intertapinterval_ stddev	number			
Standard deviation of intertap intervals	THD (V1,V2,V3,V4)	Cognitive	ptap_3hz_ alltrials_ self_intertapinterval_ stddev	number			
Standard deviation of intertap intervals	THD (V1,V2,V3)	Cognitive	ptap_182hz_alltrials_ tone_intertapinterval_ stddev	number			
Standard deviation of intertap intervals	THD (V1,V2,V3)	Cognitive	ptap_182hz_ alltrials_ self_intertapinterval_ stddev	number			
Average signed deviation from target intervals	THD (V1,V2,V3,V4)	Cognitive	ptap_3hz_ alltrials_ tone_intertapinterval_ avgsigneddev	number			
Average signed deviation from target intervals	THD (V1,V2,V3,V4)	Cognitive	ptap_3hz_ alltrials_ self_intertapinterval_ avgsigneddev	number			
Average signed deviation from target intervals	THD (V1,V2,V3)	Cognitive	ptap_182hz_alltrials_ tone_intertapinterval_ avgsigneddev	number			
Average signed deviation from target intervals	THD (V1,V2,V3)	Cognitive	ptap_182hz_ alltrials_ self_intertapinterval_ avgsigneddev	number			
Start time	THD (V1)	Cognitive	ptap_starth	number			Not Available

Start time	THD (V1)	Cognitive	ptap_startm	number			
Finish time	THD (V1)	Cognitive	ptap_finishh	number			
Finish time	THD (V1)	Cognitive	ptap_finishm	number			
Emotion Recognition Task completed	THD (V1,V2,V3,V4)	Cognitive	emo	boolean	- no - yes	- 0 - 1	PDS
RAW data	THD (V1,V2,V3,V4)	Cognitive	emo_raw	text			
Digital Fingerprint (MD5) of the RAW Data	THD (V1,V2,V3,V4)	Cognitive	emo_md5	text			Not Available
Negative Emotions - Total number correct	THD (V1,V2,V3,V4)	Cognitive	emo_negative_ numbercorrect	number			
Number of anger stims responded to as Anger	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ anger_anger	number			
Number of anger stims responded to as Disgust	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ anger_disgust	number			PDS
Number of anger stims responded to as Fear	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ anger_fear	number			
Number of anger stims responded to as Happiness	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ anger_happiness	number			

Number of anger stims responded to as Neutral	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ anger_neutral	number		
Number of anger stims responded to as Sadness	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ anger_sadness	number		
Number of anger stims responded to as Surprise	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ anger_surprise	number		
Number of disgust stims responded to as Anger	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ disgust_anger	number		
Number of disgust stims responded to as Disgust	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ disgust_disgust	number		
Number of disgust stims responded to as Fear	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ disgust_fear	number		
Number of disgust stims responded to as Happiness	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ disgust_happiness	number		
Number of disgust stims responded to as Neutral	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ disgust_neutral	number		

Number of disgust stims responded to as Sadness	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ disgust_sadness	number		
Number of disgust stims responded to as Surprise	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ disgust_surprise	number		
Number of fear stims responded to as Anger	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ fear_anger	number		
Number of fear stims responded to as Disgust	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ fear_disgust	number		
Number of fear stims responded to as Fear	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ fear_fear	number		
Number of fear stims responded to as Happiness	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ fear_happiness	number		
Number of fear stims responded to as Neutral	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ fear_neutral	number		
Number of fear stims responded to as Sadness	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ fear_sadness	number		

Number of fear stims responded to as Surprise	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ fear_surprise	number		
Number of happiness stims responded to as Anger	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ happiness_anger	number		
Number of happiness stims responded to as Disgust	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ happiness_ disgust	number		
Number of happiness stims responded to as Fear	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ happiness_fear	number		
Number of happiness stims responded to as Happiness	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ happiness_ happiness	number		
Number of happiness stims responded to as Neutral	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ happiness_ neutral	number		
Number of happiness stims responded to as Sadness	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ happiness_ sadness	number		
Number of happiness stims responded to as Surprise	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ happiness_ surprise	number		

Number of neutral stims responded to as Anger	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ neutral_anger	number		
Number of neutral stims responded to as Disgust	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ neutral_disgust	number		
Number of neutral stims responded to as Fear	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ neutral_fear	number		
Number of neutral stims responded to as Happiness	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ neutral_happiness	number		
Number of neutral stims responded to as Neutral	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ neutral_neutral	number		
Number of neutral stims responded to as Sadness	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ neutral_sadness	number		
Number of neutral stims responded to as Surprise	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ neutral_surprise	number		
Number of sadness stims responded to as Anger	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ sadness_anger	number		

Number of sadness stims responded to as Disgust	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ sadness_disgust	number		
Number of sadness stims responded to as Fear	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ sadness_fear	number		
Number of sadness stims responded to as Happiness	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ sadness_happiness	number		
Number of sadness stims responded to as Neutral	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ sadness_neutral	number		
Number of sadness stims responded to as Sadness	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ sadness_sadness	number		
Number of sadness stims responded to as Surprise	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ sadness_surprise	number		
Number of surprise stims responded to as Anger	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ surprise_anger	number		
Number of surprise stims responded to as Disgust	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ surprise_disgust	number		

Number of surprise stims responded to as Fear	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ surprise_fear	number				
Number of surprise stims responded to as Happiness	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ surprise_happiness	number				
Number of surprise stims responded to as Neutral	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ surprise_neutral	number				
Number of surprise stims responded to as Sadness	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ surprise_sadness	number				
Number of surprise stims responded to as Surprise	THD (V1,V2,V3,V4)	Cognitive	emo_responses_ surprise_surprise	number				
Spot the Change Task completed	THD (V1,V2,V3,V4)	Cognitive	stc	boolean	- no - yes	- 0 - 1		
Hit rate	THD (V1)	Cognitive	spot_setsize3_ hitrate	number				
Correct rejection rate	THD (V1)	Cognitive	spot_setsize3_ correctrejectrate	number				
Number correct	THD (V1)	Cognitive	spot_setsize3_ k	number				
Total percent correct	THD (V1)	Cognitive	spot_setsize3_ percentcorrect	number			%	
Smell Identification Test (UPSIT-20) completed	THD (V1,V2,V3)	Cognitive	upsit	boolean	- no - yes	- 0 - 1		

							_	
					- a	- 1		
Odor 1	THD	Cognitivo	upcit1	single-	- b	- 2		
	(V1,V2,V3)	Cognitive	upsit1	choice	- C	- 3		
					- d	- 4		
					- a	- 1		
Odor 2	THD	Cognitivo	uncit2	single-	- b	- 2		
	(V1,V2,V3)	Cognitive	upsit2	choice	- C	- 3		
					- d	- 4		
					- a	- 1		
Odor 3	THD	Cognitivo	upcit2	single-	- b	- 2		
Odor 3	(V1,V2,V3)	Cognitive	upsit3	choice	- C	- 3		
					- d	- 4		
					- a	- 1		
Odor 4	THD	Cognitivo	gnitive upsit4 single b choice - c	- b	- 2			
Odor 4	(V1,V2,V3)	Cognitive		- C	- 3			
					- d	- 4		
					- a	- 1		
Odor 5	THD	Comitivo	un eit E	single-	- b	- 2		
Ouor 5	(V1,V2,V3)	Cognitive	upsit5	choice	- C	- 3		
					- d	- 4		
					- a	- 1		
Odor 6	THD	Cognitivo	upcit6	single-	- b	- 2		
	(V1,V2,V3)	Cognitive	upsit6	choice	- C	- 3		
					- d	- 4		
					- a	- 1		
Odor 7	THD	Cognitivo	uncit7	single-	- b	- 2		
	(V1,V2,V3)	Cognitive	upsit7	choice	- C	- 3		
					- d	- 4		
Odor 8		Cognitive	upsit8		- a	- 1		

			1		1		-	
	THD			cingle	- b	- 2		
	(V1,V2,V3)			single- choice	- C	- 3		
	(*1,*2,*3)			choice	- d	- 4		
					- a	- 1		
Odor 9	THD	Cognitive	upsit9	single-	- b	- 2		
Ouor 9	(V1,V2,V3)	Cognitive	upsity	choice	- C	- 3		
					- d	- 4		
					- a	- 1		
Odar 10	THD	Cognitivo	unsit 10	single-	- b	- 2		
Odor 10	(V1,V2,V3)	Cognitive	upsit10	choice	- C	- 3		
					- d	- 4		
					- a	- 1		
Odor 21	THD	Cognitivo	uncit 21	single-	- b	- 2		
Odor 21	(V1,V2,V3)	Cognitive	upsit21	choice	- C	- 3		
					- d	- 4		
					- a	- 1		
0.44 - 2.2	THD	Constitute		single-	- b	- 2		
Odor 22	(V1,V2,V3)	Cognitive	upsit22	choice	- C	- 3		
					- d	- 4		
					- a	- 1		
0.4.5.22	THD	Constitute		single-	- b	- 2		
Odor 23	(V1,V2,V3)	Cognitive	upsit23	choice	- C	- 3		
					- d	- 4		
					- a	- 1		
Odau 24	THD	Consiti		single-	- b	- 2		
Odor 24	(V1,V2,V3)	Cognitive	upsit24	choice	- C	- 3		
					- d	- 4		
	THD			single-	- a	- 1		
Odor 25	(V1,V2,V3)	Cognitive	upsit25	choice	- b	- 2		

					- C	- 3	
					- d	- 4	
					- a	- 1	
Odar 20	THD	Constitute		single-	- b	- 2	
Odor 26	(V1,V2,V3)	Cognitive	upsit26	choice	- C	- 3	
					- d	- 4	
					- a	- 1	
0.4	THD	Constitute		single-	- b	- 2	
Odor 27	(V1,V2,V3)	Cognitive	upsit27	choice	- C	- 3	
					- d	- 4	
					- a	- 1	
Odan 20	THD	Constitute		single-	- b	- 2	
Odor 28	(V1,V2,V3)	Cognitive	upsit28	choice	- C	- 3	
					- d	- 4	
					- a	- 1	
Odan 20	THD	Constitute		single-	- b	- 2	
Odor 29	(V1,V2,V3)	Cognitive	upsit29	choice	- C	- 3	
					- d	- 4	
					- a	- 1	
Odan 20	THD	Constitute		single-	- b	- 2	
Odor 30	(V1,V2,V3)	Cognitive	upsit30	choice	- C	- 3	
					- d	- 4	
Total number of correct responses	THD (V1,V2,V3)	Cognitive	upsitresponses	number			
Circle Tracing	THD	Cognitivo	ct	booloon	- no	- 0	
Task completed	(V1,V2,V3,V4)	Cognitive	ct	boolean	- yes	- 1	

Number of deviations inside inner edge of annulus	THD (V1,V2,V4)	Cognitive	circle_dir_ alltrials_ insideerror_ numdeviations	number			
Start time	THD (V1)	Cognitive	circle_finishh	number			
Start time	THD (V1)	Cognitive	circle_finishm	number			
Finish time	THD (V1)	Cognitive	circle_starth	number			
Finish time	THD (V1)	Cognitive	circle_startm	number			
Start time	THD (V1)	Cognitive	emo_finishh	number			
Start time	THD (V1)	Cognitive	emo_finishm	number			
Finish time	THD (V1)	Cognitive	emo_starth	number			
Finish time	THD (V1)	Cognitive	emo_startm	number			
Start time	THD (V1)	Cognitive	iq_finishh	number			
Start time	THD (V1)	Cognitive	iq_finishm	number			Not Available
Finish time	THD (V1)	Cognitive	iq_starth	number			Available
Finish time	THD (V1)	Cognitive	iq_startm	number			
Start time	THD (V1,V2)	Cognitive	sdmt_starth	number			
Start time	THD (V1,V2)	Cognitive	sdmt_startm	number			
Finish time	THD (V1,V2)	Cognitive	sdmt_finishh	number			
Finish time	THD (V1,V2)	Cognitive	sdmt_finishm	number			
Start time	THD (V2)	Cognitive	upsit_starth	number			
Start time	THD (V2)	Cognitive	upsit_startm	number			
Finish time	THD (V2)	Cognitive	upsit_finishh	number			
Finish time	THD (V2)	Cognitive	upsit_finishm	number			
Colour-Shape Task completed	THD (V3,V4)	Cognitive	cosh	boolean	- no - yes	- 0 - 1	PDS
RAW data	THD (V3,V4)	Cognitive	cosh_raw	text			Not Available

Digital Fingerprint (MD5) of the RAW Data	THD (V3,V4)	Cognitive	cosh_md5	text				
Trials expected	THD (V3,V4)	Cognitive	cosh_numtrialsexpected	number				
Trials administered	THD (V3,V4)	Cognitive	cosh_all_ numadministered	number				
Incorrect responses	THD (V3,V4)	Cognitive	cosh_all_ numincorrect	number				
Switch trials	THD (V3,V4)	Cognitive	cosh_letswi_ wpc_percentcor	number			%	
Non-switch trials	THD (V3,V4)	Cognitive	cosh_letnos_ wpc_percentcor	number			%	
Switch trials	THD (V3,V4)	Cognitive	cosh_corletswi200_ wpc_rt	number				
Non-switch trials	THD (V3,V4)	Cognitive	cosh_corletnos200_ wpc_rt	number				
Word at 200 ISI	THD (V3,V4)	Cognitive	cosh_corwor200_ wpc_switchcost	number				PDS
Letter at 200 ISI	THD (V3,V4)	Cognitive	cosh_corlet200_ wpc_switchcost	number				
Word at 1200 ISI	THD (V3)	Cognitive	cosh_corwor1200_ wpc_switchcost	number				
Letter at 1200 ISI	THD (V3)	Cognitive	cosh_corlet1200_ wpc_switchcost	number				
200 ISI	THD (V3,V4)	Cognitive	cosh_cor200_ wpc_interference	number				
1200 ISI	THD (V3)	Cognitive	cosh_cor1200_ wpc_interference	number				
Map Search Test completed	THD (V3,V4)	Cognitive	msearch_thd	boolean	- no - yes	- 0 - 1		

Number of deviations inside inner edge of annulus	THD (V3)	Cognitive	circle_direct_ alltrials_ insideerror_ numdeviations	number			
Mental Rotation	THD (V3,V4)	Cognitive	mrot thd	boolean	- no	- 0	
Task completed	1110 (\$3,\$4)	Cognitive	iniot_tha	boolean	- yes	- 1	

5.3.6 Form "Frontal Systems Behaviour Inventory (FrSBe-F)"

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Total FrSBe score	THD (V1,V2,V3,V4); TON (V1,V2,V3)	FrSBe-F	frsbescore_f	number				
Apathy	THD (V1,V2,V3,V4); TON (V1,V2,V3)	FrSBe-F	apathyscore_f	number				PDS
Disinhibition	THD (V1,V2,V3,V4); TON (V1,V2,V3)	FrSBe-F	disinhibscore_ f	number				203
Executive Dysfunction	THD (V1,V2,V3,V4); TON (V1,V2,V3)	FrSBe-F	execdysscore_ f	number				
1. Speaks only	THD (V1,V2,V3,V4);	FrSBe-F	frontf1ba	single-	- almost never	- 1		Not
when spoken to	TON ()(1)(2)(2)	I I JDE-F		choice	- seldom	- 2	4	Available
	(V1,V2,V3)				- sometimes	- 3		

					- frequently	- 4	
					- almost always	- 5	
2. Is easily					- almost never	- 1	
angered or	THD				- seldom	- 2	
irritated; has	(V1,V2,V3,V4);		()(D)	single-	- sometimes	- 3	
emotional outbursts	TON	FrSBe-F	frontf2b	choice	- frequently	- 4	
without good reason	(V1,V2,V3)				- almost always	- 5	
					- almost never	- 1	
3. Repeats	THD				- seldom	- 2	
certain actions or gets stuck on	(V1,V2,V3,V4); TON	FrSBe-F	frontf3b	single- choice	- sometimes	- 3	
certain ideas	(V1,V2,V3)			choice	- frequently	- 4	
	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				- almost always	- 5	
					- almost never	- 1	
	THD				- seldom	- 2	
4. Does things impulsively	(V1,V2,V3,V4); TON	FrSBe-F	e-F frontf4b	single- choice	- sometimes	- 3	
Inpuisively	(V1,V2,V3)			choice	- frequently	- 4	
	(* 1) * 2) * 3)				- almost always	- 5	
5. Mixes up					- almost never	- 1	
sequences, gets	THD				- seldom	- 2	
confused when	(V1,V2,V3,V4); TON	FrSBe-F	frontf5b	single- choice	- sometimes	- 3	
doing several	(V1,V2,V3)			choice	- frequently	- 4	
things in a row	(- almost always	- 5	
					- almost never	- 1	
C. La sha sa i	THD				- seldom	- 2	
-	Laughs or cries (V1,V2,V3,V4); o easily TON (V1,V2,V3) FrSBe-F	frontf6b	single- choice	- sometimes	- 3		
too easily			CHOICE	- frequently	- 4		
				- almost always	- 5		
		FrSBe-F	frontf7b		- almost never	- 1	

7. Makes the					- seldom	- 2	
same mistakes	THD				- sometimes	- 3	
over and over,	(V1,V2,V3,V4);			single-	- frequently	- 4	
does not learn from past experience	TON (V1,V2,V3)			choice	- almost always	- 5	
8. Has difficulty					- almost never	- 1	
, starting an				single	- seldom	- 2	
activity, lacks	(V1,V2,V3,V4); TON	FrSBe-F	frontf8b	single- choice	- sometimes	- 3	
initiative,	(V1,V2,V3)			enotee	- frequently	- 4	
motivation					- almost always	- 5	
9. Makes					- almost never	- 1	
inappropriate	THD			alia alia	- seldom	- 2	
sexual comments	(V1,V2,V3,V4); TON	FL2B6-F	frontf9b	single- choice	- sometimes	- 3	
and advances, is	(V1,V2,V3)				- frequently	- 4	
too flirtatious					- almost always	- 5	
					- almost never	- 1	
10. Does or says				منعواه	- seldom	- 2	
embarrassing	(V1,V2,V3,V4); TON	FrSBe-F	frontf10b	single- choice	- sometimes	- 3	
things	(V1,V2,V3)			choice	- frequently	- 4	
	(,,,				- almost always	- 5	
					- almost never	- 1	
44 . No 1 1.	THD				- seldom	- 2	
11. Neglects personal hygiene	(V1,V2,V3,V4);	FrSBe-F	frontf11b	single- choice	- sometimes	- 3	
personal hygiene	ene TON (V1,V2,V3)		choice	- frequently	- 4		
	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				- almost always	- 5	
	TUD				- almost never	- 1	
is hyperactive	. Can't sit still, THD hyperactive (V1,V2,V3,V4); FrSBe-F	frontf12b		- seldom	- 2		
is hyperactive	(*1,*2,*3,*4),			choice	- sometimes	- 3	

	TON				- frequently	- 4	
	(V1,V2,V3)				- almost always	- 5	
13. Denies					- almost never	- 1	
having problems	THD				- seldom	- 2	
or is unaware of	(V1,V2,V3,V4); TON	FrSBe-F	frontf13b	single- choice	- sometimes	- 3	
problems or	(V1,V2,V3)			choice	- frequently	- 4	
mistakes	(*1)*2)*3)				- almost always	- 5	
					- almost never	- 1	
	THD				- seldom	- 2	
14. Sits around doing nothing	(V1,V2,V3,V4); TON	FrSBe-F	frontf14b	single- choice	- sometimes	- 3	
doing nothing	(V1,V2,V3)			choice	- frequently	- 4	
	(*1,*2,*3)				- almost always	- 5	
					- almost never	- 1	
	THD				- seldom	- 2	
15. ls	(V1,V2,V3,V4); TON FrSBe-F	F frontf15b	single- choice	- sometimes	- 3		
disorganized	(V1,V2,V3)			choice	- frequently	- 4	
	(*1,*2,*3)				- almost always	- 5	
16. Loses control					- almost never	- 1	
of urine or	THD				- seldom	- 2	
bowels and	(V1,V2,V3,V4); TON	FrSBe-F	frontf16b	single- choice	- sometimes	- 3	
seems	(V1,V2,V3)			choice	- frequently	- 4	
unconcerned	(*1,*2,*3)				- almost always	- 5	
17. Cannot do					- almost never	- 1	
two things at	THD				- seldom	- 2	
once (for	or (V1,V2,V3,V4); e, talk TON FrSBe-F	frontf17b	single-	- sometimes	- 3		
example, talk			choice	- frequently	- 4		
and prepare a meal)	(V1,V2,V3)				- almost always	- 5	
-		FrSBe-F	frontf18b		- almost never	- 1	

18. Talks out of	тнр				- seldom	- 2	
turn, interrupts	(V1,V2,V3,V4);			single-	- sometimes	- 3	
others in	TON			choice	- frequently	- 4	
conversations	(V1,V2,V3)				- almost always	- 5	
					- almost never	- 1	
19. Shows poor	THD				- seldom	- 2	
judgement, is a poor problem	(V1,V2,V3,V4); TON	FrSBe-F	frontf19b	single- choice	- sometimes	- 3	
solver	(V1,V2,V3)			choice	- frequently	- 4	
501761	(*1,*2,*3)				- almost always	- 5	
20. Makes up					- almost never	- 1	
fantastic stories	THD				- seldom	- 2	
when unable to	(V1,V2,V3,V4); TON	FrSBe-F	frontf20b	single- choice	- sometimes	- 3	
remember	(V1,V2,V3)			choice	- frequently	- 4	
something	(*1,*2,*3)				- almost always	- 5	
21. Has lost					- almost never	- 1	
interest in things	THD				- seldom	- 2	
that used to be	(V1,V2,V3,V4); TON	FrSBe-F	frontf21b	single- choice	- sometimes	- 3	
fun or important	(V1,V2,V3)			choice	- frequently	- 4	
to him/her	(* 1) * 2) * 3)				- almost always	- 5	
					- almost never	- 1	
22. Says one	THD				- seldom	- 2	
thing, then does	(V1,V2,V3,V4); TON	FrSBe-F	frontf22b	single- choice	- sometimes	- 3	
another thing	(V1,V2,V3)			choice	- frequently	- 4	
	(*1,*2,*3)				- almost always	- 5	
					- almost never	- 1	
23. Starts things	0				- seldom	- 2	
but fails to finish (V1,V2,V3,V4);	FrSBe-F	frontf23b	single-	- sometimes	- 3		
out'	hem, 'peters TON			choice	- frequently	- 4	
	(V1,V2,V3)				- almost always	- 5	

					- almost never	- 1	
24. Shows little	THD				- seldom	- 2	
emotion, is unconcerned and	(V1,V2,V3,V4); TON	FrSBe-F	frontf24b	single- choice	- sometimes	- 3	
unresponsive	(V1,V2,V3)			CHOICE	- frequently	- 4	
	(*1,*2,*3)				- almost always	- 5	
25. Forgets to do					- almost never	- 1	
things but then	THD				- seldom	- 2	
remembers	(V1,V2,V3,V4);	FrSBe-F	frontf25b	single-	- sometimes	- 3	
when prompted or when it is too	TON (V1,V2,V3)			choice	- frequently	- 4	
late	(*1,*2,*3)				- almost always	- 5	
					- almost never	- 1	
26. Is inflexible,	. Is inflexible.				- seldom	- 2	
unable to change	hable to change $\begin{bmatrix} (V1,V2,V3,V4); \\ TON \end{bmatrix}$	FrSBe-F	frontf26b	single- choice	- sometimes	- 3	
routines				choice	- frequently	- 4	
					- almost always	- 5	
					- almost never	- 1	
27. Gets in	THD				- seldom	- 2	
trouble with the law or	(V1,V2,V3,V4); TON	FrSBe-F	frontf27b	single- choice	- sometimes	- 3	
authorities	(V1,V2,V3)				- frequently	- 4	
additionales	(*_)*_)***				- almost always	- 5	
					- almost never	- 1	
28. Does risky	THD				- seldom	- 2	
things just for	(V1,V2,V3,V4);	FrSBe-F	frontf28b	single- choice	- sometimes	- 3	
the heck of it				choice	- frequently	- 4	
	(*_)*_)***				- almost always	- 5	
29. Is slow	THE				- almost never	- 1	
moving, lacks	THD (V1,V2,V3,V4);	FrSBe-F	frontf29b	single- choice	- seldom	- 2	
energy, inactive	(*1,*2,*3,*4),			CHOICE	- sometimes	- 3	

	TON				- frequently	- 4	
	(V1,V2,V3)				- almost always	- 5	
					- almost never	- 1	
30. Is overly silly,	THD				- seldom	- 2	
has childish	(V1,V2,V3,V4); TON	FrSBe-F	frontf30b	single- choice	- sometimes	- 3	
sense of humor	(V1,V2,V3)			choice	- frequently	- 4	
	(*1,*2,*3)				- almost always	- 5	
					- almost never	- 1	
31. Complains	THD				- seldom	- 2	
that food has no	(V1,V2,V3,V4); TON	FrSBe-F	frontf31b	single- choice	- sometimes	- 3	
taste or smell	(V1,V2,V3)			choice	- frequently	- 4	
	(*1,*2,*3)				- almost always	- 5	
					- almost never	- 1	
	THD				- seldom	- 2	
32. Swears	2. Swears (V1,V2,V3,V4); TON	/4); FrSBe-F	frontf32b	single- choice	- sometimes	- 3	
	(V1,V2,V3)			choice	- frequently	- 4	
	(*1,*2,*3)				- almost always	- 5	
33. Apologizes					- almost always	- 1	
for misbehaviour	THD				- frequently	- 2	
(for example,	(V1,V2,V3,V4); TON	FrSBe-F	frontf33b	single- choice	- sometimes	- 3	
apologizes for	(V1,V2,V3)			choice	- seldom	- 4	
swearing)	(*1,*2,*3)				- almost never	- 5	
34. Pays					- almost always	- 1	
attention,	THD				- frequently	- 2	
concentrates	(V1,V2,V3,V4);	FrSBe-F	frontf34b	single- choice	- sometimes	- 3	
even when there	n there (V1 V2 V3)			choice	- seldom	- 4	
are distractions (V1,V2,V3)				- almost never	- 5		
35. Thinks things	THD		fuentfach	single-	- almost always	- 1	
through before	(V1,V2,V3,V4);	FrSBe-F	frontf35b	choice	- frequently	- 2	

acting (for	TON				- sometimes	- 3	
example,	(V1,V2,V3)				- seldom	- 4	
considers finances before spending money)					- almost never	- 5	
36. Uses					- almost always	- 1	
strategies to	THD				- frequently	- 2	
remember	(V1,V2,V3,V4);		fuentfach	single-	- sometimes	- 3	
important things (for example,	TON	FrSBe-F	frontf36b	choice	- seldom	- 4	
writes notes to self)	(V1,V2,V3)				- almost never	- 5	
					- almost always	- 1	
	THD				- frequently	- 2	
37. Is able to plan ahead	(V1,V2,V3,V4); TON	FrSBe-F	frontf37b	single- choice	- sometimes	- 3	
pian aneau	(V1,V2,V3)			choice	- seldom	- 4	
	(*1,*2,*3)				- almost never	- 5	
					- almost always	- 1	
	THD				- frequently	- 2	
38. Is interested in sex	(V1,V2,V3,V4); TON	FrSBe-F	frontf38b	single- choice	- sometimes	- 3	
III SEX	(V1,V2,V3)			choice	- seldom	- 4	
	(*=,*=,*=,				- almost never	- 5	
39. Cares about					- almost always	- 1	
his/her	THD				- frequently	- 2	
appearance (for	(V1,V2,V3,V4); TON	FrSBe-F	frontf39b	single- choice	- sometimes	- 3	
example, daily	(V1,V2,V3)			CHOICE	- seldom	- 4	
grooming)	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				- almost never	- 5	
40. Benefits from	TUD				- almost always	- 1	
feedback,	THD (V1,V2,V3,V4);	FrSBe-F	frontf40b	single- choice	- frequently	- 2	
accepts	(*1,*2,*3,*4),			choice	- sometimes	- 3	

constructive	TON				- seldom	- 4	
criticism from others	(V1,V2,V3)				- almost never	- 5	
					- almost always	- 1	
41. Gets involved	THD				- frequently	- 2	
with activities spontaneously	(V1,V2,V3,V4); TON	FrSBe-F	frontf41b	single- choice	- sometimes	- 3	
(such as hobbies)	(V1,V2,V3)			choice	- seldom	- 4	
	(*1,*2,*3)				- almost never	- 5	
					- almost always	- 1	
42. Does things	THD				- frequently	- 2	
without being requested to do	(V1,V2,V3,V4); TON	FrSBe-F	frontf42b	single- choice	- sometimes	- 3	
so	(V1,V2,V3)			choice	- seldom	- 4	
50	(*1,*2,*3)				- almost never	- 5	
					- almost always	- 1	
43. Is sensitive to	3. Is sensitive to		frontf43b		- frequently	- 2	
the needs of	(V1,V2,V3,V4); TON	FrSBe-F		single- choice	- sometimes	- 3	
other people	(V1,V2,V3)			choice	- seldom	- 4	
	(*1)*2)*3)				- almost never	- 5	
					- almost always	- 1	
	THD				- frequently	- 2	
44. Gets along well with others	(V1,V2,V3,V4); TON	FrSBe-F	frontf44b	single- choice	- sometimes	- 3	
well with others	(V1,V2,V3)			choice	- seldom	- 4	
	(*1)*2)*3)				- almost never	- 5	
					- almost always	- 1	
45. Acts	THD				- frequently	- 2	
appropriately for his/her age (V1,V2,V3,V4); TON (V1,V2,V3)	FrSBe-F	frontf45b	single- choice	- sometimes	- 3		
			choice	- seldom	- 4		
				- almost never	- 5		
		FrSBe-F	frontf46b		- almost always	- 1	

	THD			- frequently	- 2	
46. Starts conversations	(V1,V2,V3,V4);		single-	- sometimes	- 3	
spontaneously	TON		choice	- seldom	- 4	
spontaneously	(V1,V2,V3)			- almost never	- 5	

5.3.7 Form "Frontal Systems Behaviour Inventory (FrSBe-S)"

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Total FrSBe score	THD (V1,V2,V3,V4); TON (V1,V2,V3)	FrSBe-S	frsbescore	number				
Apathy	THD (V1,V2,V3,V4); TON (V1,V2,V3)	FrSBe-S	apathyscore	number				PDC
Disinhibition	THD (V1,V2,V3,V4); TON (V1,V2,V3)	FrSBe-S	disinhibscore	number				PDS
Executive Dysfunction	THD (V1,V2,V3,V4); TON (V1,V2,V3)	FrSBe-S	execdysscore	number				
	TUD				- almost never	- 1		
1. I speak only	THD (V1,V2,V3,V4);	5 65 6		single-	- seldom	- 2		Not
when spoken to	TON	FrSBe-S	frontp1b	choice	- sometimes	- 3		Available
	(V1,V2,V3)				- frequently	- 4		
					- almost always	- 5		

2. I am easily	[- almost never	- 1	
angered or	THD				- seldom	- 2	1
irritated; I have	(V1,V2,V3,V4);			single-	- sometimes	- 3	
emotional outbursts	TON	FrSBe-S	frontp2b	choice	- frequently	- 4	
without good reason	(V1,V2,V3)				- almost always	- 5	
					- almost never	- 1	
3. Repeat certain	THD				- seldom	- 2	
actions or get stuck on certain	(V1,V2,V3,V4); TON	FrSBe-S	frontp3b	single- choice	- sometimes	- 3	
ideas	(V1,V2,V3)			choice	- frequently	- 4	
	(, , ,				- almost always	- 5	
					- almost never	- 1	
	THD				- seldom	- 2	
-	I do things (V1,V2,V3,V4); npulsively TON (V1,V2,V3)	FrSBe-S	frontp4b	single- choice	- sometimes	- 3	
Inpulsively					- frequently	- 4	
	(*=,*=,*=)				- almost always	- 5	
5. Mix up a					- almost never	- 1	
sequence, get	THD				- seldom	- 2	
confused when	(V1,V2,V3,V4); TON	FrSBe-S	frontp5b	single- choice	- sometimes	- 3	
doing several	(V1,V2,V3)			choice	- frequently	- 4	
things in a row	(* 1) * 2) * 3)				- almost always	- 5	
					- almost never	- 1	
	THD				- seldom	- 2	
6. Laugh or cry	(V1,V2,V3,V4);	FrSBe-S	frontp6b	single- choice	- sometimes	- 3	
easity	asily TON (V1,V2,V3)			choice	- frequently	- 4	
	(,,,				- almost always	- 5	
7. Make the	TUD				- almost never	- 1	
same mistakes	THD (V1,V2,V3,V4);	FrSBe-S	frontp7b	single-	- seldom	- 2	
over and over,	(v1,v2,v3,v4);			choice	- sometimes	- 3	

do not learn	TON				- frequently	- 4	
from past experience	(V1,V2,V3)				- almost always	- 5	
8. Have difficulty					- almost never	- 1	
starting an	THD				- seldom	- 2	
activity, lack	(V1,V2,V3,V4); TON	FrSBe-S	frontp8b	single- choice	- sometimes	- 3	
initiative,	(V1,V2,V3)			choice	- frequently	- 4	
motivation	(*1,*2,*3)				- almost always	- 5	
9. Make					- almost never	- 1	
inappropriate	THD				- seldom	- 2	
sexual comments	(V1,V2,V3,V4); TON	FrSBe-S	frontp9b	single- choice	- sometimes	- 3	
and advances,	(V1,V2,V3)			choice	- frequently	- 4	
am too flirtatious	(*1,*2,*3)				- almost always	- 5	
					- almost never	- 1	
10. Do or say	THD				- seldom	- 2	
embarrassing	(V1,V2,V3,V4); TON	FrSBe-S	frontp10b	single- choice	- sometimes	- 3	
things	(V1,V2,V3)			choice	- frequently	- 4	
	(*1,*2,*3)				- almost always	- 5	
					- almost never	- 1	
	THD				- seldom	- 2	
11. Neglect my personal hygiene	(V1,V2,V3,V4); TON	FrSBe-S	frontp11b	single- choice	- sometimes	- 3	
personal hygiene	(V1,V2,V3)			choice	- frequently	- 4	
	(*1,*2,*3)				- almost always	- 5	
					- almost never	- 1	
	THD				- seldom	- 2	
•	.2. Can't sit still, (V1,V2,V3,V4); im hyperactive TON (V1,V2,V3)	FrSBe-S	frontp13b	single-	- sometimes	- 3	
ann nyperactive				choice	- frequently	- 4	
					- almost always	- 5	
		FrSBe-S	frontp14b		- almost never	- 1	

13. Am unaware	THD				- seldom	- 2	
of my problems	(V1,V2,V3,V4);			single-	- sometimes	- 3	
or when I make	TON			choice	- frequently	- 4	
mistakes	(V1,V2,V3)				- almost always	- 5	
					- almost never	- 1	
14. Sit around	THD				- seldom	- 2	
doing nothing	(V1,V2,V3,V4); TON	FrSBe-S	frontp15b	single- choice	- sometimes	- 3	
uonig notining	(V1,V2,V3)			choice	- frequently	- 4	
	(*=,*=,*=,*				- almost always	- 5	
					- almost never	- 1	
	THD				- seldom	- 2	
15. Am disorganized	d (V1,V2,V3,V4); F		frontp16b	single- choice	- sometimes	- 3	
uisoiganizeu	(V1,V2,V3)			choice	- frequently	- 4	
					- almost always	- 5	
16. Lose control					- almost never	- 1	
of my urine or	THD		frontp17b	single- choice	- seldom	- 2	
bowels and it	(V1,V2,V3,V4); TON	FrSBe-S			- sometimes	- 3	
doesn't seem to	(V1,V2,V3)				- frequently	- 4	
bother me	(*1)*2)*3)				- almost always	- 5	
17. Cannot do					- almost never	- 1	
two things at	THD				- seldom	- 2	
once (for	(V1,V2,V3,V4);	FrSBe-S	frontp18b	single-	- sometimes	- 3	
example, talk and prepare a	TON (V1,V2,V3)			choice	- frequently	- 4	
meal)	(*1,*2,*3)				- almost always	- 5	
18. Talk out of	THD				- almost never	- 1	
turn, interrupt	urn, interrupt (V1,V2,V3,V4);	F 65 6		single-	- seldom	- 2	
others in		FrSBe-S	frontp19b	choice	- sometimes	- 3	
conversations	(V1,V2,V3)				- frequently	- 4	

					- almost always	- 5	
					- almost never	- 1	
19. Show poor	THD				- seldom	- 2	
judgement, poor	(V1,V2,V3,V4); TON	FrSBe-S	frontp20b	single- choice	- sometimes	- 3	
problem solver	(V1,V2,V3)			choice	- frequently	- 4	
	(* 1) * 2) * 3)				- almost always	- 5	
20. Make up					- almost never	- 1	
fantastic stories	THD				- seldom	- 2	
when unable to	(V1,V2,V3,V4); TON	FrSBe-S	frontp21b	single- choice	- sometimes	- 3	
remember	(V1,V2,V3)			choice	- frequently	- 4	
something	(*1,*2,*3)				- almost always	- 5	
21. Have lost					- almost never	- 1	
interest in things	THD				- seldom	- 2	
that used to be		^{4);} FrSBe-S	frontp22b	single- choice	- sometimes	- 3	
fun or important	(V1,V2,V3)				- frequently	- 4	
to me	(* 1) * 2) * 3)				- almost always	- 5	
					- almost never	- 1	
22. Say one	THD				- seldom	- 2	
thing, then do	(V1,V2,V3,V4); TON	FrSBe-S	frontp23b	single- choice	- sometimes	- 3	
another thing	(V1,V2,V3)			choice	- frequently	- 4	
	(* 1) * 2) * 3)				- almost always	- 5	
					- almost never	- 1	
23. Start things	THD				- seldom	- 2	
but fail to finish	(V1,V2,V3,V4);	FrSBe-S	frontp24b	single- choice	- sometimes	- 3	
them, 'peter out'	L TON			choice	- frequently	- 4	
					- almost always	- 5	
	7.10				- almost never	- 1	
24. Show little	THD (V1,V2,V3,V4);	FrSBe-S	frontp25b	single- choice	- seldom	- 2	
emotion, am	(v1,v2,v3,v4);			choice	- sometimes	- 3	

unconcerned and					- frequently	- 4	
unresponsive	(V1,V2,V3)				- almost always	- 5	
25. Forget to do					- almost never	- 1	
things but then	THD				- seldom	- 2	
remember when	(V1,V2,V3,V4);	FrSBe-S	frontp26b	single- choice	- sometimes	- 3	
prompted or when it is too	TON (V1,V2,V3)			choice	- frequently	- 4	
late	(*1,*2,*3)				- almost always	- 5	
					- almost never	- 1	
26. Am inflexible,	THD				- seldom	- 2	
unable to change	(V1,V2,V3,V4); TON	FrSBe-S	frontp27b	single- choice	- sometimes	- 3	
routines	(V1,V2,V3)			choice	- frequently	- 4	
	(*1,*2,*3)				- almost always	- 5	
					- almost never	- 1	
7. Get in THD			5 frontp28b		- seldom	- 2	
trouble with the law or	(V1,V2,V3,V4); TON	^{3,V4);} FrSBe-S		single- choice	- sometimes	- 3	
authorities	(V1,V2,V3)			choice	- frequently	- 4	
addiornes	(* 1) * 2) * 3)				- almost always	- 5	
					- almost never	- 1	
28. Do risky	THD				- seldom	- 2	
things just for	(V1,V2,V3,V4); TON	FrSBe-S	frontp29b	single- choice	- sometimes	- 3	
the heck of it	(V1,V2,V3)			choice	- frequently	- 4	
	(,,,				- almost always	- 5	
					- almost never	- 1	
29. Am slow	THD			aincle	- seldom	- 2	
moving, lack energy, inactive (V1,V2,V3,V TON (V1,V2,V3)		FrSBe-S	frontp30b	single- choice	- sometimes	- 3	
				choice	- frequently	- 4	
	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				- almost always	- 5	
		FrSBe-S	frontp31b		- almost never	- 1	

30. Am overly	THD				- seldom	- 2	
silly, have a	(V1,V2,V3,V4);			single-	- sometimes	- 3	
childish sense of	TON			choice	- frequently	- 4	
humor	(V1,V2,V3)				- almost always	- 5	
					- almost never	- 1	
31. Find that	THD				- seldom	- 2	
food has no taste	(V1,V2,V3,V4); TON	FrSBe-S	frontp32b	single- choice	- sometimes	- 3	
or smell	(V1,V2,V3)			choice	- frequently	- 4	
	(*1)*2)*3)				- almost always	- 5	
					- almost never	- 1	
	THD				- seldom	- 2	
32. Swear	(V1,V2,V3,V4); TON	FrSBe-S	frontp33b	single- choice	- sometimes	- 3	
	(V1,V2,V3)				- frequently	- 4	
					- almost always	- 5	
33. Apologize for					- almost always	- 1	
misbehaviour	THD				- frequently	- 2	
(for example,	(V1,V2,V3,V4); TON	FrSBe-S	frontp34b	single- choice	- sometimes	- 3	
apologize for	(V1,V2,V3)			choice	- seldom	- 4	
swearing)	(,,,				- almost never	- 5	
34. Pay					- almost always	- 1	
attention,	THD			alia alia	- frequently	- 2	
concentrates	(V1,V2,V3,V4); TON	FrSBe-S	frontp35b	single- choice	- sometimes	- 3	
even when there	(V1,V2,V3)			choice	- seldom	- 4	
are distractions	(,,,				- almost never	- 5	
35. Think things					- almost always	- 1	
through before	hrough before (V1,V2,V3,V4);				- frequently	- 2	
acting (for		FrSBe-S	frontp36b	single- choice	- sometimes	- 3	
example,	xample,			CHOICE	- seldom	- 4	
consider finances	(,,.,,				- almost never	- 5	

before spending money)							
36. Use					- almost always	- 1	
strategies to	THD				- frequently	- 2	
remember	(V1,V2,V3,V4);	F 6 B 6	() 07l	single-	- sometimes	- 3	
important things (for example,	TON	FrSBe-S	frontp37b	choice	- seldom	- 4	
write notes to myself)	(V1,V2,V3)				- almost never	- 5	
					 almost always 	- 1	
27 A	THD				- frequently	- 2	
37. Am able to plan ahead	(V1,V2,V3,V4); TON	FrSBe-S	frontp38b	single- choice	- sometimes	- 3	
plati alleau	(V1,V2,V3)			CHOICE	- seldom	- 4	
	(,,,				- almost never	- 5	
					 almost always 	- 1	
20 4	THD Am (V1,V2,V3,V4);			منعواه	- frequently	dom- 4nost never- 5nost always- 1quently- 2metimes- 3dom- 4	
38. Am interested in sex	(V1,V2,V3,V4); TON	FrSBe-S	frontp39b	single- choice	- sometimes	- 3	
	(V1,V2,V3)			choice	- seldom	- 4	
	(, , , -,				 almost never 	- 5	
					 almost always 	- 1	
39. Care about	THD			منعواه	- frequently	- 2	
my appearance (for example,	(V1,V2,V3,V4); TON	FrSBe-S	frontp40b	single- choice	- sometimes	- 3	
daily grooming)	(V1,V2,V3)			choice	- seldom	- 4	
	(,,,				- almost never	- 5	
40. Benefit from					- almost always	- 1	
feedback, accept	hack accent		منعواء	- frequently	- 2		
constructive	(V1,V2,V3,V4); TON	FrSBe-S	e-S frontp41b	single- choice	- sometimes	- 3	
criticism from	(V1,V2,V3)			CHOICE	- seldom	- 4	
others	(- almost never	- 5	
		FrSBe-S	frontp42b		- almost always	- 1	

41. Get involved	THD				- frequently	- 2		
with activities	(V1,V2,V3,V4);			single-	- sometimes	- 3		
spontaneously	TON			choice	- seldom	- 4		
(such as hobbies)	(V1,V2,V3)				- almost never	- 5		
_					- almost always	- 1		
42. Doing things	THD				- frequently	- 2		
without being requested to do	(V1,V2,V3,V4); TON	FrSBe-S	frontp43b	single- choice	- sometimes	- 3		
so	(V1,V2,V3)			choice	- seldom	- 4		
	(,,,				- almost never	- 5		
					- almost always	- 1		
43. Am sensitive	THD				- frequently	- 2		
to the needs of	(V1,V2,V3,V4); TON	FrSBe-S	frontp44b	single- choice	- sometimes	- 3		
other people	(V1,V2,V3)			choice	- seldom	- 4		
				- almost never	- 5			
				- almost always	- 1			
	THD				- frequently	- 2		
44. Get along well with others	(V1,V2,V3,V4); TON	FrSBe-S	frontp45b	single- choice	- sometimes	- 3		
well with others	(V1,V2,V3)			choice	- seldom	- 4		
	(*=,*=,*=,*				- almost never	- 5		
					- almost always	- 1		
45. Act	THD				- frequently	- 2		
appropriately for	(V1,V2,V3,V4); TON	FrSBe-S	frontp46b	single- choice	- sometimes	- 3		
my age	(V1,V2,V3)			enoice	- seldom	- 4		
	(*=,*=,*=,*				- almost never	- 5		
					- almost always	- 1		
46. Can start conversations easily THD (V1,V2,V3,V4); TON (V1,V2,V3)				- frequently	- 2			
		FrSBe-S	frontp47b	single-	- sometimes	- 3		
				choice	- seldom	- 4		
	(12,12,10)				- almost never	- 5		

5.3.8 Form "Function"

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Functional Assessment Score	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Function	fascore	number				
Could subject	THD				- no	- 0		
engage in gainful employment in his/her accustomed work	(V1,V2,V3,V4); TON (V1,V2,V3)	Function	emplusl	boolean	- yes	- 1		
Could subject	THD				- no	- 0		
engage in any kind of gainful employment?	(V1,V2,V3,V4); TON (V1,V2,V3)	Function	emplany	boolean	- yes	- 1		225
Could subject	THD				- no	- 0		PDS
engage in any kind of volunteer or non- gainful work?	(V1,V2,V3,V4); TON (V1,V2,V3)	Function	volunt	boolean	- yes	- 1		
Could subject					- no	- 0		
manage his/her finances (monthly) without any help?	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Function	fafinan	boolean	- yes	- 1		
Could subject	THD	Function	grocery	boolean	- no	- 0		
shop for	(V1,V2,V3,V4);	i anction	Brocciy	Sociean	- yes	- 1		

1	TON	I	I	I	I	1 1		
groceries without								
help?	(V1,V2,V3)							
Could subject					- no	- 0		
handle money as	THD							
a purchaser in a	(V1,V2,V3,V4);	Function	cash	boolean				
simple cash	TON				- yes	- 1		
(shop)	(V1,V2,V3)							
transaction?								
Could subject	THD				- no	- 0		
supervise	(V1,V2,V3,V4);	Function	supchild	boolean				
children without	TON	Tunction	Supernia	boolean	- yes	- 1		
help?	(V1,V2,V3)							
Could subject	THD				- no	- 0		
operate an	(V1,V2,V3,V4);							
automobile	TON	Function	drive	boolean	Noc	- 1		
safely and	(V1,V2,V3)				- yes	- 1		
independently?	(V1,V2,V3)							
Could subject do	THD				- no	- 0		
his/her own	(V1,V2,V3,V4);	Function	housewrk	boolean				
housework	TON	Tunction	Housewik	DODIEali	- yes	- 1		
without help?	(V1,V2,V3)							
Could subject do	THD				- no	- 0		
his/her own								
laundry	(V1,V2,V3,V4); TON	Function	laundry	boolean				
(wash/dry)					- yes	- 1		
without help?	(V1,V2,V3)							
Could subject	THD				- no	- 0		
prepare his/her	(V1,V2,V3,V4);	From attack		haalaa				
own meals	TON	Function	prepmeal	boolean	- yes	- 1		
without help?	(V1,V2,V3)				· ·			
Could subject use					- no	- 0		
the telephone	THD	Function	telephon	boolean		_		
without help?	(V1,V2,V3,V4);				- yes	- 1		
	1		1	1	1			

1	I	I	I	I	I	1 1	l	
	TON							
	(V1,V2,V3)							
Could subject	THD				- no	- 0		
take his/her own	(V1,V2,V3,V4);	Function	ownmeds	boolean				
medications	TON				- yes	- 1		
without help?	(V1,V2,V3)							
Could subject	THD				- no	- 0		
feed	(V1,V2,V3,V4);	Function	feedself	boolean				
himself/herself	TON				- yes	- 1		
without help?	(V1,V2,V3)							
Could subject	THD				- no	- 0		
dress	(V1,V2,V3,V4);	Function	dress	boolean				
himself/herself	TON				- yes	- 1		
without help?	(V1,V2,V3)							
Could subject	THD				- no	- 0		
bathe	(V1,V2,V3,V4);	Function	bathe	boolean				
himself/herself	TON				- yes	- 1		
withou t help?	(V1,V2,V3)							
Could subject use	THD				- no	- 0		
public transport	(V1,V2,V3,V4);	Function	pubtrans	boolean				
to get to places	TON				- yes	- 1		
without help?	(V1,V2,V3)							
Could subject	THD				- no	- 0		
walk to places in	(V1,V2,V3,V4);	_						
his/her	TON	Function	walknbr	boolean	- yes	- 1		
neighbourhood	(V1,V2,V3)				,			
without help?								
Could subject	THD				- no	- 0		
walk without	(V1,V2,V3,V4);	Function	walkfall	boolean				
falling?	TON				- yes	- 1		
	(V1,V2,V3)	F	- 11 1 1 -					
		Function	walkhelp	boolean	- no	- 0		

Could subject walk without help?	THD (V1,V2,V3,V4); TON (V1,V2,V3)				- yes	- 1	
Could subject comb hair without help?	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Function	comb	boolean	- no - yes	- 0 - 1	
Could subject transfer between chairs without help?	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Function	trnchair	boolean	- no - yes	- 0 - 1	
Could subject get in and out of bed without help?	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Function	bed	boolean	- no - yes	- 0 - 1	
Could subject use toilet/commode without help?	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Function	toilet	boolean	- no - yes	- 0 - 1	
Could subject's care still be provided at home?	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Function	carehome	boolean	- no - yes	- 0 - 1	
Was the functional assessment information obtained from	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Function	fasrc	single choice			Available upon SRC approval
Subject's independence in %	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Function	indepscl	single choice	 no special care needed no physical care needed if difficult tasks are avoided 	- 100 - 95 - 90	PDS

		-	- 85	
		- pre-disease level of	- 80	
		employment changes or		
		ends; cannot perform		
		household chores to pre-		
		disease level, may need		
		help with finances		
		-	- 75	
		- self-care maintained for	- 70	
		bathing, limited household		
		duties, e.g. cooking and use		
		of knives, driving		
		terminates; unable to		
		manage finances		
		manage mances	- 65	
		- needs minor assistance in	- 60	
			- 60	
		dressing, toileting, bathing; food must be cut for		
		subject		
		-	- 55	
		- 24-hour supervision	- 50	
		appropriate; assistance		
		required for bathing,		
		eating, toileting		
		-	- 45	
		 chronic care facility 	- 40	
		needed; limited self		
		feeding, liquified diet		
		-	- 35	
		 subject provides minimal 	- 30	
		assistance in own feeding,		
		bathing, toileting		
		-	- 25	

		- no speech, must be fed	- 20	
		-	- 15	
		- tube fed, total bed care	- 10	
		-	- 5	

5.3.9 Form "Graphimetry"

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability
For right hand form	THD (V1,V2)	Graphimetry	rhandrest	boolean				Not
For left hand form	THD (V1,V2)	Graphimetry	lhandrest	boolean				Available

5.3.10 Form "Hospital Anxiety/Depression Scale - Snaith Irritability Scale (HADS-SIS)"

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Anxiety subscore	THD (V1,V2,V3,V4); TON (V1,V2,V3)	HADS- SIS	anxscore	number				
Depression subscore	THD (V1,V2,V3,V4); TON (V1,V2,V3)	HADS- SIS	depscore	number				PDS
Irritability subscore	THD (V1,V2,V3,V4); TON (V1,V2,V3)	HADS- SIS	irrscore	number				

Outward irritability subscore	THD (V1,V2,V3,V4); TON (V1,V2,V3)	HADS- SIS	outwardirrscore	number				
Inward irritability subscore	THD (V1,V2,V3,V4); TON (V1,V2,V3)	HADS- SIS	inwardirrscore	number				
	THD			-in etc.	- not at all	- 0		
I feel tense or 'wound up'	(V1,V2,V3,V4); TON (V1,V2,V3)	HADS- SIS	tense	single- choice	 from time to time, occasionally 	- 1		
	(V1,V2,V3)				- a lot of the time	- 2		
					- most of the time	- 3		
	THD				- definitely as much	- 0		
I still enjoy the things I used to	(V1,V2,V3,V4);	HADS-	enjoy	single-	- not quite so much	- 1		
enjoy	TON	SIS	chjoy	choice	- only a little	- 2		Available
	(V1,V2,V3)				- hardly at all	- 3		upon SRC
I get a sort of					- not at all	- 0		approval
frightened feeling as if	THD (V1,V2,V3,V4);	HADS-	frighten	single-	 a little, but it doesn'•t worry me 	- 1		
something awful	TON	SIS	inghten	choice	 yes, but not too badly 	- 2		
is about to happen	(V1,V2,V3)				 very definitetly and quite badly 	- 3		
	THD				- no, not at all	- 0		
I lose my temper and shout or	(V1,V2,V3,V4);	HADS-	tompor hade	single-	- no, not much	- 1]	
snap at others	TON	SIS	temper_hads	choice	- yes, sometimes	- 2]	
	(V1,V2,V3)				- yes, definitely	- 3		
			laugh		- as much as I always could	- 0		

I can laugh and	THD				- not quite so much now	- 1	
see the funny	(V1,V2,V3,V4); TON	HADS- SIS		single- choice	 definitely not so much now 	- 2	
side of things	(V1,V2,V3)				- not at all	- 3	
	THD				- all of the time	- 0	
I am patient with	(V1,V2,V3,V4);	HADS-	tiot	single-	- most of the time	- 1	
other people	TON	SIS	patient	choice	- some of the time	- 2	
	(V1,V2,V3)				- hardly ever	- 3	
	THD				- most of the time	- 0	
l feel cheerful	(V1,V2,V3,V4);	HADS-	cheerful	single-	- sometimes	- 1	
i leel cheellui	TON	SIS	cheerrui	choice	- not often	- 2	
	(V1,V2,V3)				- never	- 3	
	THD				- no, not at all	- 0	
I get angry with myself and call	(V1,V2,V3,V4);	SIS	angry	single-	- not often	- 1	
myself names	TON		choice	- sometimes	- 2		
ingsen names	(V1,V2,V3)				- yes, definitely	- 3	
	THD				- definitely	- 0	
I can sit at ease	(V1,V2,V3,V4);	HADS-	sit	single-	- usually	- 1	
and feel relaxed	TON	SIS	SIL	choice	- not often	- 2	
	(V1,V2,V3)				- not at all	- 3	
	THD				- not at all	- 0	
I feel as if I am	(V1,V2,V3,V4);	HADS-	slowdown	single-	- sometimes	- 1	
slowed down	TON	SIS	5100000011	choice	- very often	- 2	
	(V1,V2,V3)				- nearly all the time	- 3	
	THD				- no, not at all	- 0	
feel like(V1,V2,V3,V4);HADS-harming myselfTONSIS	HADS-	harming	single-	- no, not much	- 1		
	SIS		choice	- yes, sometimes	- 2		
	(V1,V2,V3)			- yes, definitely	- 3		
			worry		- very little	- 0	

Worrying thoughts go	THD (V1,V2,V3,V4);	HADS-		single	- not too often	- 1	
through my	(01,02,03,04), TON	SIS		single- choice	- a lot of the time	- 2	
mind	(V1,V2,V3)	515		choice	- a great deal of the time	- 3	
				single- choice	 I take just as much care as ever 	- 0	
I have lost interest in my	THD (V1,V2,V3,V4); TON	HADS- SIS	appear		 I may not take quite as much care 	- 1	
appearance	(V1,V2,V3)				 I don't take as much care as I should 	- 2	
					- definitely	- 3	
	THD		hurting		- not at all	- 0	
The thought of	(V1,V2,V3,V4); TON (V1,V2,V3)	HADS- SIS		single-	- hardly ever	- 1	
hurting myself occurs to me				choice	- not very often	- 2	
occurs to me					- sometimes	- 3	
	THD (V1,V2,V3,V4); TON (V1,V2,V3)	HADS- SIS	restless	single- choice	- not at all	- 0	
I feel restless as if I have to be on					- not very much	- 1	
the move					- quite a lot	- 2	
the move					- very much indeed	- 3	
	THD (V1,V2,V3,V4); TON (V1,V2,V3)	HADS- SIS	forward	single- choice	- as much as I ever did	- 0	
I look forward					- rather less than I used to	- 1	
with enjoyment to things					 definitely less than I used to 	- 2	
	(*1,*2,*3)				 hardly at all 	- 3	
	THD	HADS- SIS	DS- control_hads		- never	- 0	
I feel I might lose control and hit or hurt someone	(V1,V2,V3,V4); TON (V1,V2,V3)			single- choice	- rarely	- 1	
					- occasionally	- 2	
					- sometimes	- 3	
I get a sort of	THD	HADS-	buttorfligs	single-	- not at all	- 0	
frightened	(V1,V2,V3,V4);	SIS	butterflies	choice	- occasionally	- 1	

feeling like 'butterflies' in the stomach	TON (V1,V2,V3)				- quite often - very often	- 2 - 3	
People upset me	THD				- not at all	- 0	
so that I feel like	(V1,V2,V3,V4);	HADS- SIS	people	single-	- only occasionally	- 1	
slamming doors	TON			choice	- yes, sometimes	- 2	
or banging about	(V1,V2,V3)				- yes, often	- 3	
	THD (V1,V2,V3,V4); TON (V1,V2,V3)	HADS- SIS	panic		- not at all	- 0	
I get sudden				single- choice	- not very often	- 1	
feelings of panic					- quite often	- 2	
					- very often indeed	- 3	
l can enjoy a	THD (V1,V2,V3,V4); TON (V1,V2,V3)	HADS- SIS	book	single- choice	- often	- 0	
good book or					- sometimes	- 1	
radio or television programme					- not often	- 2	
					- very seldom	- 3	
Lately I have	THD				- not at all	- 0	
been getting annoyed with	(V1,V2,V3,V4); TON	HADS- SIS	annoyed	single- choice	- not much	- 1	
					- rather a lot	- 2	
myself	(V1,V2,V3)				- very much so	- 3	

5.3.11 Form "HD History"

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Indicate who provided the information - subject only	THD (V1,V3,V4); TON (General)	HD History	informants1	boolean	- no - yes	- 0 - 1		PDS

Indicate who provided the information - informant that knows subject well but does not reside with subject	THD (V1,V3,V4); TON (General)	HD History	informants2	boolean	- no - yes	- 0	
Indicate who provided the information - informant that knows subject well and resides with subject	THD (V1,V3,V4); TON (General)	HD History	informants3	boolean	- no - yes	- 0	
Have motor symptoms ever been part of the subject's clinical features	THD (V1,V3,V4); TON (General)	HD History	motor	boolean	- no - yes	- 0	
At what age did the subject's motor clinical features begin?	THD (V1,V3,V4); TON (General)	HD History	motorage	number			
Has depression (includes treatment with antidepressants with or without a formally-stated diagnosis of depression) ever been a part of the subject's HD clinical features	THD (V1,V3,V4); TON (General)	HD History	depression	boolean	- no - yes	- 0	
At what age did the depression begin	THD (V1,V3,V4); TON (General)	HD History	depressage	number			
Has irritability ever been a part of the subject's HD clinical features	THD (V1,V3,V4);	HD History	irritability_ hx	boolean	- no - yes	- 0 - 1	

	TON (General)						
At what age did irritability begin	THD (V1,V3,V4); TON (General)	HD History	irritage	number			
Has violent or aggressive behaviour ever been a part of the subject's HD clinical features	THD (V1,V3,V4); TON (General)	HD History	violent	boolean	- no - yes	- 0 - 1	
At what age did violent/aggressive behaviour begin	THD (V1,V3,V4); TON (General)	HD History	violentage	number			
Has apathy ever been a part of the subject's HD clinical features	THD (V1,V3,V4); TON (General)	HD History	apathy	boolean	- no - yes	- 0 - 1	
At what age did apathy begin	THD (V1,V3,V4); TON (General)	HD History	apathyage	number			
At what age did perseverative/obsessive behaviours begin	THD (V1,V3,V4); TON (General)	HD History	obsessage	number			
Has perseverative/obsessive behaviours ever been a part of the subject's HD clinical features	THD (V1,V3,V4); TON (General)	HD History	obsessive	boolean	- no - yes	- 0	
			psychosis	boolean	- no	- 0	

Has psychosis (hallucinations or delusions) been a part of the subject's HD clinical features	THD (V1,V3,V4); TON (General)	HD History			- yes	- 1	
At what age did psychosis (hallucinations/delusions) begin	THD (V1,V3,V4)	HD History	psychage	number			
Has significant cognitive impairment (severe enough to impact on work or activities of daily living) or dementia ever been a part of the subject's HD clinical features	THD (V1,V3,V4); TON (General)	HD History	dementia	boolean	- no - yes	- 0	
At what age did cognitive impairment first start to have an impact on daily life	THD (V1,V3,V4); TON (General)	HD History	dementage	number			
Previous suicidal ideation	THD (V1,V3,V4); TON (General)	HD History	suicidal	boolean	- no - yes	- 0 - 1	
Date of ideation	THD (V1,V3,V4); TON (General)	HD History	dtcsuicidal	date			Not
Date of ideation (precision)	THD (V1,V3,V4); TON (General)	HD History	dtcsuicidalprec	date			Available

Day of ideation	THD (V1,V3,V4)	HD History	suicidaldy	number			PDS
Date of ideation (precision)	THD (V1,V3,V4)	HD History	suicidaldyprec	single- choice	- precision in days m	- d	Not Available
	THD				- no	- 0	
Did subject receive hospital treatment	(V1,V3,V4); TON (General)	HD History	suicidaltreat	boolean	- yes	- 1	226
	THD				- no	- 0	PDS
Previous suicide attempts	(V1,V3,V4); TON (General)	HD History	suicide	boolean	- yes	- 1	
Date of attempt	THD (V1,V3,V4); TON (General)	HD History	dtcsuicide	date			Not
Date of attempt (precision)	THD (V1,V3,V4); TON (General)	HD History	dtcsuicideprec	date			Available
Day of attempt	THD (V1,V3,V4)	HD History	suicidedy	number			PDS
Date of attempt (precision)	THD (V1,V3,V4)	HD History	suicidedyprec	single- choice	- precision in days m	- d	Not Available
	THD				- no	- 0	
Did subject receive hospital treatment	(V1,V3,V4); TON (General)	HD History	suicidetreat	boolean	- yes	- 1	226
	THD				- no	- 0	PDS
Previous self-harm	(V1,V3,V4); TON (General)	HD History	selfharm	boolean	- yes	- 1	

Date of self-harm	THD (V1,V3,V4); TON (General)	HD History	dtcselfharm	date			Not
Date of self-harm (precision)	THD (V1,V3,V4); TON (General)	HD History	dtcselfharmprec	date			Available
Date of self-harm	THD (V1,V4)	HD History	selfharmdy	number			PDS
Date of self-harm (precision)	THD (V1,V3,V4)	HD History	selfharmdyprec	single- choice	- precision in days m	- d	Not Available
	THD				- no	- 0	
Did subject receive hospital treatment	(V1,V4); TON (General)	HD History	selfharmtreat	boolean	- yes	- 1	DDC
Age of HD diagnosed	THD (V1)	HD History	hddiagnosed	number			PDS
HD diagnosis day	THD (V1)	HD History	hddiagnoseddy	number			
HD diagnosis (month)	THD (V1)	HD History	hddiagnosedmonth	number			
HD diagnosis (date)	THD (V1,V3,V4)	HD History	hddiagnosed_ r	date			Not Available
HD diagnosis (year)	THD (V1)	HD History	hddiagnosedyear	number			
Age of symptoms first noted by subject	THD (V1)	HD History	symptomssubject	number			PDS
Age of symptoms first noted by subject (day)	THD (V1)	HD History	symptomssubjectdy	number			203
Age of symptoms first noted by subject (month)	THD (V1)	HD History	symptomssubjectmonth	number			Not Available

Age of symptoms first noted by subject (date)	THD (V1,V3,V4)	HD History	symptomssubject_ r	date				
Age of symptoms first noted by subject (year)	THD (V1)	HD History	symptomssubjectyear	number				
Age of symptoms first noted by family	THD (V1)	HD History	symptomsfamily	number				PDS
Symptoms first noted by family day	THD (V1)	HD History	symptomsfamilydy	number				FD3
Age of symptoms first noted by family (month)	THD (V1)	HD History	symptomsfamilymonth	number				
Symptoms first noted by family date	THD (V1,V3,V4)	HD History	symptomsfamily_ r	date				Not Available
Age of symptoms first noted by family (year)	THD (V1)	HD History	symptomsfamilyyear	number				
Age of rater's estimate of symptom onset	THD (V1)	HD History	raterestimate	number				PDS
Rater's estimate of symptom onset day	THD (V1)	HD History	raterestimatedy	number				PDS
Rater's estimate of symptom onset (month)	THD (V1)	HD History	raterestimatemonth	number				
Rater's estimate of symptom onset	THD (V1,V3,V4)	HD History	raterestimate_ r	date				Not Available
Rater's estimate of symptom onset (year)	THD (V1)	HD History	raterestimateyear	number				
					- motor	- 1		
					- cognitive	- 2		
Initial major symptom	THD (V1)	HD	majorsymptomsubject	single-	- psychiatric	- 3		
noted by subject		History		choice	- oculomotor	- 4	1	PDS
					- other	- 5	1	
					- mixed	- 6		
	THD (V1)		majorsymptomfamily		- motor	- 1		

				1	- cognitive	- 2	
					- psychiatric	- 3	
Initial major symptom		HD		single-	- oculomotor	- 4	
noted by family		History		choice	 other (e.g. weight loss, insomnia) 	- 5	
					- mixed	- 6	
					- motor	- 1	
		HD History			- cognitive	- 2	
Dataria judgament of			single-		- psychiatric	- 3	
Rater's judgement of initial major symptom	THD (V1)		majorsymptomrater	choice	- oculomotor	- 4	
				choice	 other (e.g. weight loss, insomnia) 	- 5	
					- mixed	- 6	
Comment?	THD (V1)	HD	commenthistory	boolean	- no	- 0	Net
		History			- yes	- 1	 Not Available
Comment	THD HD (V1,V3,V4) History		commenthistorytxt	text			, wandbre

5.3.12 Form "HDQ-D2-c"

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability
					- never	- 1		
Had difficulty	THD				- very rarely	- 2		
·	ron c	hdqd2c01	single- choice	- infrequently	- 3		DDC	
				- sometimes	- 4		PDS	
				- often	- 5			
					- most of the time	- 6		

					- all of the time	- 7	
		Ī			- never	- 1	
					- very rarely	- 2	
Lacked	THD				- infrequently	- 3	
confidence with	(V4); TON	HDQ-D2- c	hdqd2c02	single- choice	- sometimes	- 4	
his/her balance	(V1)			choice	- often	- 5	
	(•=)				- most of the time	- 6	
					- all of the time	- 7	
					- never	- 1	
					- very rarely	- 2	
Had difficulty	THD		hdqd2c03	ain al a	- infrequently	- 3	
walking	(V4); TON	HDQ-D2- c		single- choice	- sometimes	- 4	
independently	(V1)			choice	- often	- 5	
	(/				- most of the time	- 6	
					- all of the time	- 7	
					- never	- 1	
					- very rarely	- 2	
Had difficulty	THD				- infrequently	- 3	
doing jobs	(V4); TON	HDQ-D2- c	hdqd2c04	single- choice	- sometimes	- 4	
around the house	(V1)			choice	- often	- 5	
	· · /				- most of the time	- 6	
					- all of the time	- 7	
					- never	- 1	
					- very rarely	- 2	
Had difficulty	THD	HDQ-D2-		single	- infrequently	- 3	
maintaining	(V4); TON	r c	hdqd2c05	single- choice	- sometimes	- 4	
his/her weight	(V1)	Ĩ			- often	- 5	
					- most of the time	- 6	
					- all of the time	- 7	

	1	1	1	1	nover.		
					- never	- 1	
	THD				- very rarely	- 2	
Had difficulty	(V4);	HDQ-D2-		single-	- infrequently	- 3	
doing his/her	TON	с	hdqd2c06	choice	- sometimes	- 4	
hobby	(V1)				- often	- 5	
					- most of the time	- 6	
					- all of the time	- 7	
					- never	- 1	
					- very rarely	- 2	
Had difficulty	THD (V4);	HDQ-D2-		single-	- infrequently	- 3	
dressing	SING TON C		hdqd2c07	choice	- sometimes	- 4	
himself/herself					- often	- 5	
					- most of the time	- 6	
				- all of the time	- 7		
					- never	- 1	
					- very rarely	- 2	
Felt cautious	THD				- infrequently	- 3	
about swallowing	(V4); TON	HDQ-D2-	hdqd2c08	single-	- sometimes	- 4	
food or drink	(V1)	с		choice	- often	- 5	
	(*1)				- most of the time	- 6	
					- all of the time	- 7	
					- never	- 1	
					- very rarely	- 2	
Found it hard to	THD				- infrequently	- 3	
manage eating	(V4);	HDQ-D2-	hdqd2c09	single-	- sometimes	- 4	
on his/her own (V1)	с		choice	- often	- 5		
	(• 1)				- most of the time	- 6	
					- all of the time	- 7	
			hdqd2c10		- never	- 1	

					- very rarely	- 2	
	THD				- infrequently	- 3	
Could not	(V4);	HDQ-D2-		single-	- sometimes	- 4	
operate a television	TON	с		choice	- often	- 5	
LEIEVISION	(V1)				- most of the time	- 6	
					- all of the time	- 7	
					- never	- 1	
					- very rarely	- 2	
	THD				- infrequently	- 3	
Got tired easily	(V4); TON	HDQ-D2-	hdqd2c11	single- choice	- sometimes	- 4	
	(V1)	с		choice	- often	- 5	
	(*-)				- most of the time	- 6	
					- all of the time	- 7	
					- never	- 1	
					- very rarely	- 2	
Felt dissatisfied	THD				- infrequently	- 3	
with his/her	(V4); TON	HDQ-D2-	hdqd2c12	single- choice	- sometimes	- 4	
sleep	(V1)	с		choice	- often	- 5	
	(•=)				- most of the time	- 6	
					- all of the time	- 7	
					- never	- 1	
Lacked					- very rarely	- 2	
confidence in	THD				- infrequently	- 3	
doing more than	(V4); TON	HDQ-D2-	hdqd2c13	single- choice	- sometimes	- 4	
one thing at a	(V1)	с		choice	- often	- 5	
time	(**)				- most of the time	- 6	
					- all of the time	- 7	
Took too long to	THD	HDQ-D2-	hdad2a14	single-	- never	- 1	
do things	(V4);	с	hdqd2c14	choice	- very rarely	- 2	

	TON				- infrequently	- 3	
	(V1)				- sometimes	- 4	
					- often	- 5	
					- most of the time	- 6	
					- all of the time	- 7	
					- never	- 1	
Lacked					- very rarely	- 2	
confidence with	THD				- infrequently	- 3	
expressing	(V4); TON	HDQ-D2-	hdqd2c15	single- choice	- sometimes	- 4	
his/her thoughts	(V1)	с		choice	- often	- 5	
with words	(/				- most of the time	- 6	
			I-D2- hdad2a16 sin		- all of the time	- 7	
					- never	- 1	
					- very rarely	- 2	
Could not	THD				- infrequently	- 3	
concentrate on the task at hand	(V4); TON	HDQ-D2- c	hdqd2c16	single- choice	- sometimes	- 4	
properly	(V1)	C		choice	- often	- 5	
p. op c ,	(/				- most of the time	- 6	
					- all of the time	- 7	
					- never	- 1	
					- very rarely	- 2	
Found it hand to	THD			single	- infrequently	- 3	
Found it hard to make a decision	(V4); TON	HDQ-D2- c	hdqd2c17	single- choice	- sometimes	- 4	
	(V1)			CHUICE	- often	- 5	
	(/				- most of the time	- 6	
				- all of the time	- 7		
Had difficulty	TUD				- never	- 1	
remembering day	THD (V4);	HDQ-D2- c	hdqd2c18	single- choice	- very rarely	- 2	
to day things	(V+),			CHOICE	- infrequently	- 3	

	TON				- sometimes	- 4	
	(V1)				- often	- 5	
					- most of the time	- 6	
					- all of the time	- 7	
					- never	- 1	
					- very rarely	- 2	
Found it hard to	THD				- infrequently	- 3	
organize his/her	(V4); TON	HDQ-D2- c	hdqd2c19	single- choice	- sometimes	- 4	
day	(V1)	L		choice	- often	- 5	
	(*-)				- most of the time	- 6	
					- all of the time	- 7	
					- never	- 1	
					- very rarely	- 2	
Could not follow	THD				- infrequently	- 3	
a conversation	(V4); TON	HDQ-D2- c	hdqd2c20	single- choice	- sometimes	- 4	
properly	(V1)	C		choice	- often	- 5	
	(/				- most of the time	- 6	
					- all of the time	- 7	
					- never	- 1	
					- very rarely	- 2	
Could not	THD			single	- infrequently	- 3	
remember what day and month it	(V4); TON	HDQ-D2- c	hdqd2c21	single- choice	- sometimes	- 4	
is	(V1)				- often	- 5	
-	()				- most of the time	- 6	
					- all of the time	- 7	
Worried about	THD				- never	- 1	
the impact of	(V4);	HDQ-D2-	hdqd2c22	single-	- very rarely	- 2	
Huntington's on	TON	с		choice	- infrequently	- 3	
his/her family	(V1)				- sometimes	- 4	

					- often	- 5	
					- most of the time	- 6	
					- all of the time	- 7	
					- never	- 1	
Worried about					- very rarely	- 2	
showing	THD				- infrequently	- 3	
symptoms of Huntington's	(V4); TON	HDQ-D2- c	hdqd2c23	single- choice	- sometimes	- 4	
disease	(V1)	L		choice	- often	- 5	
progression	(*-)				- most of the time	- 6	
					- all of the time	- 7	
			HDQ-D2- c hdqd2c24 singl choi		- never	- 1	
					- very rarely	- 2	
Found it hard to	THD				- infrequently	- 3	
feel hopeful	(V4); TON	HDQ-D2-		-	- sometimes	- 4	
about the future	(V1)	C		choice	- often	- 5	
	()				- most of the time	- 6	
					- all of the time	- 7	
					- never	- 1	
					- very rarely	- 2	
Could not easily	THD				- infrequently	- 3	
get motivated to	(V4); TON	HDQ-D2- c	hdqd2c25	single- choice	- sometimes	- 4	
do things	(V1)	C		choice	- often	- 5	
	(/				- most of the time	- 6	
					- all of the time	- 7	
					- never	- 1	
Found it hard to	THD			single	- very rarely	- 2	
get on with	on with (V4); HDQ-		hdqd2c26	single-	- infrequently	- 3	
his/her life	(V1)		hdqd2c26 choice	CHOICE	- sometimes	- 4	
					- often	- 5	

		1			- most of the time	- 6	
					- all of the time	- 7	
					- never	- 1	
					- very rarely	- 2	
Had problems	THD				- infrequently	- 3	
with being	(V4); TON	HDQ-D2- c	hdqd2c27	single- choice	- sometimes	- 4	
independent	(V1)			choice	- often	- 5	
	()				- most of the time	- 6	
					- all of the time	- 7	
					- never	- 1	
					- very rarely	- 2	
Did not feel				single	- infrequently	- 3	
confident in himself/herself (V4); H TON c (V1)	HDQ-D2-	hdqd2c28	single- choice	- sometimes	- 4		
			choice	- often	- 5		
	. ,				- most of the time	- 6	
					- all of the time	- 7	
					- never	- 1	
					 very rarely 	- 2	
Felt down or	THD			single	- infrequently	- 3	
depressed	(V4); TON	HDQ-D2- c	hdqd2c29	single- choice	- sometimes	- 4	
acpressed	(V1)			choice	- often	- 5	
					- most of the time	- 6	
					- all of the time	- 7	
					- never	- 1	
Lacked	THD				 very rarely 	- 2	
confidence in (VA).	(V4);	HDQ-D2-	hdqd2c30	single-	- infrequently	- 3	
fulfilling his/her	TON	с	Παγαζέου	choice	- sometimes	- 4	
personal wishes (V1)	(V1)				- often	- 5	
					- most of the time	- 6	

					- all of the time	- 7	
		Ī			- never	- 1	
Had problems					- very rarely	- 2	
with maintaining	THD				- infrequently	- 3	
a meaningful role	(V4); TON	HDQ-D2- c	hdqd2c31	single- choice	- sometimes	- 4	
in his/her	(V1)			choice	- often	- 5	
immediate family	(,				- most of the time	- 6	
					- all of the time	- 7	
					- never	- 1	
Had financial concerns for the future (V4); TON (V1)				- very rarely	- 2		
				- infrequently	- 3		
	HDQ-D2- c	hdqd2c32	single- choice	- sometimes	- 4		
				choice	- often	- 5	
	(,				- most of the time	- 6	
					- all of the time	- 7	
					- never	- 1	
					- very rarely	- 2	
F all to the state	THD				- infrequently	- 3	
Felt irritated easily	(V4); TON	HDQ-D2- c	hdqd2c33	single- choice	- sometimes	- 4	
easily	(V1)	C		choice	- often	- 5	
	(,				- most of the time	- 6	
					- all of the time	- 7	
					- never	- 1	
					- very rarely	- 2	
Last his /har	THD			single	- infrequently	- 3	
Lost his/her temper easily	(V4); TON	HDQ-D2- c	hdqd2c34	single- choice	- sometimes	- 4	
comper easily	(V1)			choice	- often	- 5	
	(,				- most of the time	- 6	
					- all of the time	- 7	

	1	1	I	1	1		
					- never	- 1	
	THD				- very rarely	- 2	
Did not feel keen	(V4);	HDQ-D2-		single-	- infrequently	- 3	
on going out to	TON	c	hdqd2c35	choice	- sometimes	- 4	
socialize	(V1)	-		choice	- often	- 5	
	. ,				- most of the time	- 6	
					- all of the time	- 7	
					- never	- 1	
Felt conscious of					- very rarely	- 2	
people's attitude	ple's attitude is/her dition (i.e. THD (V4); TON c				- infrequently	- 3	
to his/her			hdqd2c36	single- choice	- sometimes	- 4	
condition (i.e.		C		choice	- often	- 5	
Huntington's)				- most of the time	- 6		
				- all of the time	- 7		
			1	- never	- 1		
Had problems					- very rarely	- 2	
with getting	THD				- infrequently	- 3	
support from	(V4);	HDQ-D2-	hdqd2c37	single-	- sometimes	- 4	
his/her family or	TON (V1)	с		choice	- often	- 5	
friends	(VI)				- most of the time	- 6	
					- all of the time	- 7	
					- never	- 1	
Colt dissetiatied					- very rarely	- 2	
Felt dissatisfied	THD				- infrequently	- 3	
services/advice in	with local (V4);	HDQ-D2-	hdqd2c38	single-	- sometimes	- 4	
services/advice in	с		choice	- often	- 5		
				- most of the time	- 6		
				- all of the time	- 7		
			hdqd2c39		- an of the time	- 1	
			nuquzess		- 112721		

		l			- very rarely	- 2	
Felt dissatisfied	THD				- infrequently	- 3	
with medical	(V4);	HDQ-D2-		single-	- sometimes	- 4	
management of	TON	C		choice	- often	- 5	
Huntington's	(V1)				- most of the time	- 6	
					- all of the time	- 7	
					- never	- 1	-
Had problems					- very rarely	- 2	
with accessing	THD				- infrequently	- 3	
information	(V4);	HDQ-D2-	hdqd2c40	single-	- sometimes	- 4	
about	TON (V1)	с		choice	- often	- 5	
Huntington's	(VI)				- most of the time	- 6	
					- all of the time	- 7	
Overall, how					- poor	- 1	1
would you rate					- fair	- 2	
the quality of life	THD (V4)	ID (V4) HDQ-D2- c gnrlp01_c	gnrlp01 c	single-	- good	- 3	
of your partner/family		с		choice	- very good	- 4	
member					- excellent	- 5	
Overall, how					- poor	- 1	1
would you rate					- fair	- 2	
the quality of life	TON	HDQ-D2-	gnrlp01_c_ ton	single-	- good	- 3	
of your partner/family	(V1)	с		choice	- very good	- 4	
member					- excellent	- 5	
In the past					- never	- 1	-
month, how	THD				- 1-3 times	- 2	
often have you	en have you (V4); HDC		gnrlc09_c	single-	- every week	- 3	
seen your partner/family member	TON (V1)	c gnrlc09_c		choice	- everyday	- 4	

Physical and cognitive function (PPCF)	THD (V4); TON (V1)	HDQ-D2- c	scale1_c	number		
Emotions and self (PES)	THD (V4); TON (V1)	HDQ-D2- c	scale2_c	number		
Services (PSR)	THD (V4); TON (V1)	HDQ-D2- c	scale3_c	number		
Cognitive (SCG)	THD (V4); TON (V1)	HDQ-D2- c	scale4_c	number		
Hopes and worries (SHW)	THD (V4); TON (V1)	HDQ-D2- c	scale5_c	number		
Services (SSR)	THD (V4); TON (V1)	HDQ-D2- c	scale6_c	number		
Physical and functional (SPF)	THD (V4); TON (V1)	HDQ-D2- c	scale7_c	number		
Mood state (SMS)	THD (V4); TON (V1)	HDQ-D2- c	scale8_c	number		

Self and vitality (SSV)	THD (V4); TON (V1)	HDQ-D2- c	scale9_c	number		
Summary scale	THD (V4); TON (V1)	HDQ-D2- c	scale10_c	number		

5.3.13 Form "HDQ-D2-p"

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability
					- never	- 1		
					- very rarely	- 2		
Had difficulty	THD				- infrequently	- 3		
carrying things without dropping	(V4); TON	HDQ-D2-	hdqd2p01	single- choice	- sometimes	- 4		
them	(V1)	р		choice	- often	- 5		
	(•=)				- most of the time	- 6		
					- all the time	- 7		
					- never	- 1		
					- very rarely	- 2		PDS
Lacked	THD				- infrequently	- 3		
confidence with	(V4); TON	HDQ-D2-	hdqd2p02	single- choice	- sometimes	- 4		
your balance	(V1)	р		choice	- often	- 5		
	(•=)				- most of the time	- 6		
					- all the time	- 7		
Had difficulty	THE				- never	- 1		
walking	THD (V4);	HDQ-D2-	hdqd2p03	single- choice	- very rarely	- 2		
independently	(V4),	р		choice	- infrequently	- 3		

	TON				- sometimes	- 4	
	(V1)				- often	- 5	
					- most of the time	- 6	
					- all the time	- 7	
					- never	- 1	
					- very rarely	- 2	
Had difficulty	THD				- infrequently	- 3	
, doing jobs	(V4); TON	HDQ-D2-	hdqd2p04	single- choice	- sometimes	- 4	
around the house	(V1)	р		choice	- often	- 5	
	(* -)				- most of the time	- 6	
					- all the time	- 7	
					- never	- 1	1
					- very rarely	- 2	
Had difficulty		THD (V4); HDQ-D2- TON p (V1) hdqd2p05			- infrequently	- 3	
maintaining your			hdqd2p05	single- choice	- sometimes	- 4	
weight				choice	- often	- 5	
	(*-)				- most of the time	- 6	
					- all the time	- 7	
					- never	- 1	
					- very rarely	- 2	
11	THD			al a sta	- infrequently	- 3	
Had difficulty doing your hobby	(V4); TON	HDQ-D2-	hdqd2p06	single- choice	- sometimes	- 4	
doing your hobby	(V1)	р		choice	- often	- 5	
	(/				- most of the time	- 6	
					- all the time	- 7	
	, i i i i i i i i i i i i i i i i i i i				- never	- 1	
Had difficulty			bdad2a07	single-	- very rarely	- 2	
dressing yourself	TON	p hdqd2p07	παίασρογ	choice	- infrequently	- 3	
	(V1)				- sometimes	- 4	

					- often	- 5	
					- most of the time	- 6	
					- all the time	- 7	
					- never	- 1	
					- very rarely	- 2	
Felt cautious	THD			single- choice	- infrequently	- 3	
about swallowing	(V4); TON	HDQ-D2- p	hdqd2p08		- sometimes	- 4	
food or drink	(V1)	P		choice	- often	- 5	
	(/				- most of the time	- 6	
			- all the time		- all the time	- 7	
		THD (V4); HDQ-D2- TON p hdqd2p09			- never	- 1	
					- very rarely	- 2	
Found it hard to			single- choice	- infrequently	- 3		
manage eating				- sometimes	- 4		
on your own		P	- often	- 5			
n vour own	· · /				- most of the time		
					- all the time	- 7	
					- never	- 1	
					 very rarely 	- 2	
Could not	THD			al a al a	- infrequently	- 3	
operate a	(V4); TON	HDQ-D2- p	hdqd2p10	single- choice	- sometimes	- 4	
television	(V1)	۲ ۲		choice	- often	- 5	
					- most of the time	- 6	
					- all the time	- 7	
					- never	- 1	
	THD			single	- very rarely	- 2	
Got tired easily	HDQ-D2-	hdqd2p11	single- choice	- infrequently	- 3		
	TON p (V1)			- sometimes	- 4		
					- often	- 5	

	1				- most of the time	- 6	
					- all the time	- 7	
					- never	- 1	
					- very rarely	- 2	
	THD				- infrequently	- 3	
Felt dissatisfied with your sleep	(V4); TON	HDQ-D2-	hdqd2p12	single- choice	- sometimes	- 4	
with your sleep	(V1)	р		choice	- often	- 5	
	(•=)				- most of the time	- 6	
					- all the time	- 7	
					- never	- 1	
Lacked	ore than (V4); HDQ-D2- hdqd2p13				- very rarely	- 2	
confidence in			منعجاء	- infrequently	- 3		
doing more than		hdqd2p13	single- choice	- sometimes	- 4		
one thing at a (V1) time	۲			- often	- 5		
	()				- most of the time	- 6	
					- all the time	- 7	
					- never	- 1	
					 very rarely 	- 2	
Taalitaa lawa ta	THD			منعواه	- infrequently	- 3	
Took too long to do things	(V4); TON	HDQ-D2-	hdqd2p14	single- choice	- sometimes	- 4	
do times	(V1)	р		choice	- often	- 5	
					- most of the time	- 6	
					- all the time	- 7	
					- never	- 1	
Lacked confidence with expressing your				- very rarely	- 2		
		HDQ-D2-	hdqd2p15	single-	- infrequently	- 3	
	TON	р	Παγαζμτο	choice	- sometimes	- 4	
thoughts with (V1)				- often	- 5		
					- most of the time	- 6	

					- all the time	- 7	
					- never	- 1	
					- very rarely	- 2	
Could not	THD				- infrequently	- 3	
concentrate on the task at hand	(V4); TON	HDQ-D2-	hdqd2p16	single- choice	- sometimes	- 4	
properly	(V1)	р		choice	- often	- 5	
property	(*=)				- most of the time	- 6	
					- all the time	- 7	
					- never	- 1	
Found it hard to (V4); make a decision TON (V1)				- very rarely	- 2		
				- infrequently	- 3		
	HDQ-D2-	hdqd2p17	single- choice	- sometimes	- 4		
			choice	- often	- 5		
	(•=)				- most of the time	- 6	
					- all the time	- 7	
					- never	- 1	
					- very rarely	- 2	
Had difficulty	THD				- infrequently	- 3	
remembering day	(V4); TON	HDQ-D2-	hdqd2p18	single- choice	- sometimes	- 4	
to day things	(V1)	р		choice	- often	- 5	
	(,				- most of the time	- 6	
					- all the time	- 7	
					- never	- 1	
					- very rarely	- 2	
	THD			منصواء	- infrequently	- 3	
Found it hard to organize your day	(V4); TON	HDQ-D2-	hdqd2p19	single- choice	- sometimes	- 4	
organize your day	(V1)	р		CHOICE	- often	- 5	
	(,				- most of the time	- 6	
					- all the time	- 7	

	1			1	- never	- 1	
						- 1	
	THD				- very rarely	- 2	
Could not follow	(V4);	HDQ-D2-	hdad2a20	single-	- infrequently		
a conversation properly	TON	р	hdqd2p20	choice	- sometimes	- 4	
property	(V1)				- often	- 5	
					- most of the time	- 6	
					- all the time	- 7	
					- never	- 1	
Could not	THD				- very rarely	- 2	
remember what	(V4);	HDQ-D2-		single-	- infrequently	- 3	
	day and month it TON p		hdqd2p21	choice	- sometimes	- 4	
is		1*			- often	- 5	
				- most of the time	- 6		
				- all the time	- 7		
				- never	- 1		
		THD			 very rarely 	- 2	
Worried about					- infrequently	- 3	
the impact of Huntington's on	(V4); TON	HDQ-D2-	hdqd2p22	single- choice	- sometimes	- 4	
your family	(V1)	р		choice	- often	- 5	
your runny	(•=)				- most of the time	- 6	
					- all the time	- 7	
					- never	- 1	
Worried about					- very rarely	- 2	
showing	THD				- infrequently	- 3	
symptoms of (V4); Huntington's TON disease (V1) progression	HDQ-D2-	hdqd2p23	single-	- sometimes	- 4		
	р		choice	- often	- 5		
				- most of the time	- 6		
					- all the time	- 7	
			hdqd2p24		- never	- 1	

					- very rarely	- 2	
	THD				- infrequently	- 3	
Found it hard to	(V4);	HDQ-D2-		single-	- sometimes	- 4	
feel hopeful about the future	TON	р		choice	- often	- 5	
	(V1)				- most of the time	- 6	
					- all the time	- 7	
					- never	- 1	
					- very rarely	- 2	
Could not easily	THD				- infrequently	- 3	
, get motivated to	(V4); TON	HDQ-D2-	hdqd2p25	single- choice	- sometimes	- 4	
do things	(V1)	р		choice	- often	- 5	
	(*1)				- most of the time	- 6	
					- all the time	- 7	
					- never	- 1	
					- very rarely	- 2	
Found it hard to	THD			single	- infrequently	- 3	
get on with your	(V4); TON	HDQ-D2-	hdqd2p26	single- choice	- sometimes	- 4	
life	(V1)	р		choice	- often	- 5	
	(•=)				- most of the time	- 6	
					- all the time	- 7	
					- never	- 1	
					- very rarely	- 2	
Had problems	THD				- infrequently	- 3	
with being	(V4); TON	HDQ-D2-	hdqd2p27	single- choice	- sometimes	- 4	
independent	- 101	р		choice	- often	- 5	
					- most of the time	- 6	
					- all the time	- 7	
	THD	HDQ-D2-	bdadapaa	single-	- never	- 1	
	(V4);	р	hdqd2p28	choice	- very rarely	- 2	

	TON				- infrequently	- 3	
Did not feel	(V1)				- sometimes	- 4	
confident in					- often	- 5	
yourself					- most of the time	- 6	
					- all the time	- 7	
					- never	- 1	
					- very rarely	- 2	
	THD				- infrequently	- 3	
Felt down or	(V4); TON	HDQ-D2-	hdqd2p29	single- choice	- sometimes	- 4	
depressed	(V1)			choice	- often	- 5	
	(*+)				- most of the time	- 6	
					- all the time	- 7	
					- never	- 1	
Lacked					- very rarely	- 2	
confidence in THD			aingle	- infrequently	- 3		
fulfilling your	(V4);	TON p	hdqd2p30	single- choice	- sometimes	- 4	
personal wishes	(V1)				- often	- 5	
in life	(* -)				- most of the time	- 6	
					- all the time	- 7	
					- never	- 1	
Had problems					- very rarely	- 2	
with maintaining	THD				- infrequently	- 3	
a meaningful role	(V4); TON	HDQ-D2-	hdqd2p31	single- choice	- sometimes	- 4	
in your	(V1)	р		choice	- often	- 5	
immediate family	(*±)				- most of the time	- 6	
					- all the time	- 7	
Had financial					- never	- 1	
concerns for the	THD	HDQ-D2-	hdqd2p32	single- choice	- very rarely	- 2	
future	(V4);	р		choice	- infrequently	- 3	

	TON				- sometimes	- 4	
	(V1)				- often	- 5	
					- most of the time	- 6	
					- all the time	- 7	
					- never	- 1]
					- very rarely	- 2	
	THD		2- hdqd2p33		- infrequently	- 3	
Felt irritated easily	(V4); TON	HDQ-D2-		single- choice	- sometimes	- 4	
easily	(V1)	р		choice	- often	- 5	
	(*±)				- most of the time	- 6	
					- all the time	- 7	
					- never	- 1]
			- hdqd2p34	single	- very rarely	- 2	
	t your temper (V4);				- infrequently	- 3	
Lost your temper easily				single- choice	- sometimes	- 4	
easily				choice	- often	- 5	
	(*-)				- most of the time	- 6	
					- all the time	- 7	
					- never	- 1	
					- very rarely	- 2	
Did not feel keen	THD			al a al a	- infrequently	- 3	
on going out to	(V4); TON	HDQ-D2-	hdqd2p35	single- choice	- sometimes	- 4	
socialize	(V1)	р		choice	- often	- 5	
	()				- most of the time	- 6	
					- all the time	- 7	
	THD				- never	- 1	
Felt conscious of	(V4);	HDQ-D2-	bdadaaac	single-	- very rarely	- 2	
people's attitude	TON	р	hdqd2p36	choice	- infrequently	- 3	
	your condition (V1)				- sometimes	- 4	

(i.e.					- often	- 5	
Huntington's)					- most of the time	- 6	
					- all the time	- 7	
					- never	- 1	
Had problems					- very rarely	- 2	
with getting	THD			atu al i	- infrequently	- 3	
support from	(V4); TON	HDQ-D2-	hdqd2p37	single- choice	- sometimes	- 4	
your family or	(V1)	р		choice	- often	- 5	
friends	()				- most of the time	- 6	
					- all the time	- 7	
					- never	- 1	
Felt dissatisfied					- very rarely	- 2	
with local	THD			ain al a	- infrequently	- 3	
services/advice in	ation to	N p	hdqd2p38	single- choice	- sometimes	- 4	
relation to					- often	- 5	
Huntington's					- most of the time	- 6	
					- all the time	- 7	
					- never	- 1	
					 very rarely 	- 2	
Felt dissatisfied	THD			almala.	- infrequently	- 3	
with medical management of	(V4); TON	HDQ-D2- p	hdqd2p39	single- choice	- sometimes	- 4	
Huntington's	(V1)	Ρ		choice	- often	- 5	
	()				- most of the time	- 6	
					- all the time	- 7	
Had problems					- never	- 1	
with accessing			cingle	 very rarely 	- 2		
information	information (V4);	HDQ-D2- p	hdqd2p40	single- choice	- infrequently	- 3	
about	(V1)	۲ ۲			- sometimes	- 4	
Huntington's	I (V1)				- often	- 5	

					- most of the time	- 6	[
					- all the time	- 7	
		1			- poor	- 1	
Overall, how do	THD				- fair	- 2	
you rate your	(V4); TON	HDQ-D2-	gnrlp01_p	single- choice	- good	- 3	
quality of life	(V1)	р		choice	- very good	- 4	
	(/				- excellent	- 5	
					- I do not have a carer	- 1	
Which of the					 Part-time partner/family member carer 	- 2	
following	THD			منعواه	- Part-time professional carer	- 3	
describes your carer	(V4); TON (V1)	HDQ-D2- p	gnrlp12	single- choice	 Full-time partner/family member carer 	- 4	
arrangement	(• 1)				- Full-time professional carer	- 5	
					 Combination of family and professional carer 	- 6	
Physical and cognitive function (PPCF)	THD (V4); TON (V1)	HDQ-D2- p	scale1_p	number			
Emotions and self (PES)	THD (V4); TON (V1)	HDQ-D2- p	scale2_p	number			
Services (PSR)	THD (V4); TON (V1)	HDQ-D2- p	scale3_p	number			
Cognitive (SCG)	THD (V4);	HDQ-D2- p	scale4_p	number			

	TON (V1)					
Hopes and worries (SHW)	THD (V4); TON (V1)	HDQ-D2- p	scale5_p	number		
Services (SSR)	THD (V4); TON (V1)	HDQ-D2- p	scale6_p	number		
Physical and functional (SPF)	THD (V4); TON (V1)	HDQ-D2- p	scale7_p	number		
Mood state (SMS)	THD (V4); TON (V1)	HDQ-D2- p	scale8_p	number		
Self and vitality (SSV)	THD (V4); TON (V1)	HDQ-D2- p	scale9_p	number		
Summary scale	THD (V4); TON (V1)	HDQ-D2- p	scale10_p	number		

5.3.14 Form "Irritability-c"

Label Study (Visit) Fo	Form	Variable	Туре	Parameter	Coding	Unit	Availability
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Date data obtained	THD (V3,V4); TON (V1,V2,V3)	lrritability- c	irtycdtc	date			Not
Date data obtained (precision)	THD (V3,V4); TON (V1,V2,V3)	Irritability- c	irtycdtcprec	single- choice			Available
Day of data obtained	THD (V3,V4)	Irritability- c	irtycdy	number			PDS
Date data obtained (precision)	THD (V3,V4); TON (V1,V2,V3)	Irritability- c	irtycdy prec	single- choice	- precision in days m	- d	Not Available
Score	THD (V3,V4); TON (V1,V2,V3)	Irritability- c	irtycscore	number			
Is he/she easily irritated	THD (V3,V4); TON (V1,V2,V3)	Irritability- c	irritation_c	single- choice		- FALSE	
Does he/she pout if things don't go his/her	THD (V3,V4); TON	Irritability- c	pout_c	single- choice	 not at all slightly some 	- 0 - 1 - 2	PDS
way Does he/she	(V1,V2,V3) THD				- a lot - not at all	- 3 - 0	
have good control of his/her	(V3,V4); TON	Irritability- c	temperfamily_c	single- choice	- slightly - some	- 1 - 2	
temper with the family (or	(V1,V2,V3)				- a lot	- 3	

persons living with him)							
Do little things cause him/her to fly off the handle	THD (V3,V4); TON (V1,V2,V3)	Irritability- c	flyoff_c	single- choice		- FALSE	
Does he/she	THD				- not at all	- 0	
adjust well to a	(V3,V4);	Irritability-	adjusting_ c	single-	- slightly	- 1	
change in plans	TON (V1,V2,V3)	с	0_1	choice	- some	- 2	
	(V1,V2,V3)				- a lot	- 3	4
When he/she loses his/her					- not at all	- 0	
temper, does	THD				- slightly	- 1	
he/she have a	(V3,V4);	Irritability-	calmdown c	single-	- some	- 2	
hard time calming down again	TON (V1,V2,V3)	с	<u>-</u>	choice	- a lot	- 3	
Does he/she insist of having his/her own way	THD (V3,V4); TON (V1,V2,V3)	Irritability- c	insistence_ c	single- choice		- FALSE	
1. h. <i>f</i> . h	THD				- not at all	- 0	
Is he/she easily agitated by	(V3,V4);	Irritability-	agitation_c	single-	- slightly	- 1	
minor problems	TON	с		choice	- some	- 2	
	(V1,V2,V3)				- a lot	- 3	
Can you discuss					- not at all	- 0	
problems	THD				- slightly	- 1	
together and	(V3,V4);	Irritability-	discussion_ c	single-	- some	- 2	
agree to a reasonable solution	TON (V1,V2,V3)	с		choice	- a lot	- 3	
			disagreement_c		- not at all	- 0	

Do	THD				- slightly	- 1	
disagreements	(V3,V4);	Irritability-		single-	- some	- 2	
often lead to arguments	TON (V1,V2,V3)	С		choice	- a lot	- 3	
Can he/she	THD				- not at all	- 0	
appreciate a	(V3,V4);	Irritability-		single-	- slightly	- 1	
different point of view from	TON	c	appreciation_ c	choice	- some	- 2	
his/hers	(V1,V2,V3)				- a lot	- 3	
	THD				- not at all	- 0	
Does he/she yell	(V3,V4);	Irritability-		single-	- slightly	- 1	
a lot	TON	с	yell_c	choice	- some	- 2	
	(V1,V2,V3)				- a lot	- 3	
Is he/she able to	THD				- not at all	- 0	
control his/her	(V3,V4);	Irritability-		single-	- slightly	- 1	
temper with persons outside	TON	c	temper_c	choice	- some	- 2	
the family	(V1,V2,V3)				- a lot	- 3	
					- not at all	- 0	
Do you consider him/her to be	THD	Irritability-	irritability_ c	single-	- slightly	- 1	
irritable	(V3,V4)	с	initability_c	choice	- some	- 2	
intrable					- a lot	- 3	
Device entrolet					- not at all	- 0	
Do you consider him/her to be	TON	Irritability-	irritability	single-	- slightly	- 1	
irritable	(V1,V2,V3)	· Irr	ππασπιγ	choice	- some	- 2	
					- a lot	- 3	

5.3.15 Form "Irritability-s"

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability	
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Date data obtained	THD (V3,V4); TON (V1,V2,V3)	Irritability- s	irtypdtc	date			Not
Date data obtained (precision)	THD (V3,V4); TON (V1,V2,V3)	Irritability- s	irtypdtcprec	single- choice			Available
Day of data obtained	THD (V3,V4)	Irritability- s	irtypdy	single- choice			PDS
Date data obtained (precision)	THD (V3,V4); TON (V1,V2,V3)	Irritability- s	irtypdy prec	number	- precision in days m	- d	Not Available
Score	THD (V3,V4); TON (V1,V2,V3)	Irritability- s	irtysscore	number			
Are you easily irritated	THD (V3,V4); TON (V1,V2,V3)	Irritability- s	irritation	single- choice	 not at all slightly some a lot 	- 0 - 1 - 2 - 3	PDS
Do you pout if things don't go your way	THD (V3,V4); TON (V1,V2,V3)	Irritability- s	pout	single- choice	 not at all slightly some a lot 	- 0 - 1 - 2 - 3	
Do you have good control of your temper with the family (or	THD (V3,V4); TON (V1,V2,V3)	Irritability- s	temperfamily	single- choice	 not at all slightly some a lot 	-0 -1 -2 -3	

persons living with you)								
	7115				- not at all	- 0		
Do little things	THD (V3,V4);	Irritability-		single-	- slightly	- 1		
cause you to fly off the handle	TON	s	flyoff	choice	- some	- 2		
	(V1,V2,V3)				- a lot	- 3		
	THD				- not at all	- 0		
Do you adjust	(V3,V4);	Irritability-	adjusting	single-	- slightly	- 1		
in plans		S	aujusting	choice	- some	- 2		
	(V1,V2,V3)				- a lot	- 3		
When you lose	THD				- not at all	- 0		
your temper, do you have a hard	(V3,V4); TON	Irritability- s	calmdown	single-	- slightly	- 1	-	
				choice	- some	- 2		
down again	(V1,V2,V3)				- a lot	- 3		
	TUD				- not at all	- 0		
Do you insist on	ving your own TON	Irritability- s	insistence	single-	- slightly	- 1		
way				choice	- some	- 2		
	(V1,V2,V3)				- a lot	- 3		
	THD				- not at all	- 0		
Are you easily agitated by	(V3,V4);	Irritability- s	agitation	single-	- slightly	- 1	-	
	TON			choice	- some	- 2		
	(V1,V2,V3)				- a lot	- 3		
Can you discuss TH	THD		diaguasian		- not at all	- 0		
problems	-			single-	- slightly	- 1		
together and	TON	s	discussion	choice	- some	- 2		
agree to a	(V1,V2,V3)				- a lot	- 3		

reasonable solution								
Do	THD				- not at all	- 0		
disagreements	(V3,V4);	Irritability-	diaganaant	single-	- slightly	- 1		
often lead to	TON	S	disagreement	choice	- some	- 2	1	
arguments	(V1,V2,V3)				- a lot	- 3	1	
Can you	THD				- not at all	- 0		
appreciate a	(V3,V4);	Irritability-		single-	- slightly	- 1		
different point of	TON	S	appreciation	choice	- some	- 2		
view from your own (V1,V2,V3) - a lot	- a lot	- 3						
	THD (V3,V4); TON (V1,V2,V3)	Irritability- s	yell		- not at all	- 0		
				single-	- slightly	- 1	1	
				choice	- some	- 2	$\frac{1}{2}$	
					- a lot	- 3		
Are you able to	THD				- not at all	- 0		
control your	(V3,V4);	Irritability-		single-	- slightly	- 1		
temper with	TON	S	temper	choice	- some	- 2		
	(V1,V2,V3)				- a lot	- 3		
	THD				- not at all	- 0		
persons outside the family TON (V1,V2,V3) s choice - some - a lot - a lot - a lot	- 1]						
	TON	-	irritability_s	choice	- some	- 2		
					- a lot	- 3		

5.3.16 Form "Medical History"

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability
			illnessbirth	boolean	- no	- 0		PDS

Birth trauma or serious neonatal illness	THD (V1); TON (V1)	Medical History			- yes	- 1	
Childhood (birth to 12 years) serious illness	THD (V1); TON (V1)	Medical History	illnesschild	boolean	- no - yes	- 0 - 1	
Adolescent (13-17 years) serious illness	THD (V1); TON (V1)	Medical History	illnessadolescent	boolean	- no - yes	- 0 - 1	
Adult (18+ years) serious illness	THD (V1); TON (V1)	Medical History	illnessadult	boolean	- no - yes	- 0 - 1	
Major surgery requiring general anaesthesia	THD (V1); TON (V1)	Medical History	majorsurgery	boolean	- no - yes	- 0 - 1	
History of alcohol abuse	THD (V1); TON (V1)	Medical History	alcoholabuse	single- choice	 never abused previous abuse current abuse 	- 1 - 2 - 3	
Alcohol units per week	THD (V1); TON (V1)	Medical History	alcunits_mhx	number			
History of drug abuse	THD (V1); TON (V1)	Medical History	druguse	single- choice	 never abused ex-drug abuser current abuse 	- 1 - 2 - 3	
			marijuana	boolean	- no	- 0	

useTON (Y1)History (Y1)History (Y1)History (Y1)History (Y1)- 1Marijuana - FrequencyTHD (Y1) (Y1)Medical Historymarijuanafreqsingle- choice- seldom- 1Heroin - Harmful useTHD (Y1) (Y1)Medical Historyheroinboolean- no- 0FrequencyTHD (V1) (V1)Medical Historyheroinfreqsingle- choice- seldom- 1FrequencyTHD (V1) (V1)Medical Historyheroinfreqsingle- choice- no- 0Cocaine - Harmful useTHD (V1) (V1)Medical History- cocainefreqsingle- choice- no- 0Cocaine - FrequencyTHD (V1) (V1)Medical History- cocainefreqsingle- choice- no- 0Club drugs (Ecstacy, (HB, Roofies) - Harmful useTHD (V1); (V1)Medical History- cocainefreqsingle- choice- no- 1Club drugs (Ecstacy, (V1)THD (V1); (V1)Medical History- cubdrugs freqsingle- choice- no- 0Club drugs (Ecstacy, (V1)THD (V1); (V1)Medical History- cubdrugs freq- no- 0Club drugs (Ecstacy, (V1); (V1)THD (V1); (V1)- cubdrugs freq- no- 0Club drugs (Ecstacy, (V1); (V1)THD (V1); (V1)- cubdrugs freq- no- 0Club drugs (Ecstacy, (CHB, Roofies) - (V1);Medical Hi		THD					
useTON (V1)History (V1)History (V1)History (V1)Single- choiceSing	Marijuana - Harmful				- ves	- 1	
$ \begin{array}{c c c c c c } & \mbox{THD} & \mbox{Medical} & \mbox{Marijuana - Frequency} & \mbox{THD} & \mbox{Medical} & \mbox{Mistory} & \mbox{Medical} & \mbox{Mistory} & \mbox{Medical} & \mbox{Mistory} & \mbox{Medical} & \mbox{Medical} & \mbox{Mistory} & \mbox{Medical} & Medical$	use	,			,	-	
$\begin{array}{c c c c c c c } & \mbox{Marijuana - Frequency} & (V1); & Medical History & marijuanafreq & single-choice & -occasionally & -2 & -ifequently & -3 & -ifequently & -2 & -ifequently & -3 & -ifequently & -2 & -ifequently & -2 & -ifequently & -3 & -ifequently & -3 & -ifequently & -3 & -ifequently & -2 & -ifequently & -3 & -ifequently & -2 & -ifequently & -3 & -ifequently & -3 & -ifequently & -3 & -ifequently & -2 & -ifequently & -2 & -ifequently & -2 & -ifequently & -3 & -ifequently & -2 & -ifequently & -3 & -ifequently & -2 & -ifequently & $							
$ \begin{array}{c c c c c c c } \hline \matrix \matrix$							
(V1)(V1)Heroin- frequently- 3Heroin - Harmful use(V1); (V1); (V1)Medical Historyheroinboolean- no- 0FrequencyTHD (V1)Medical Historyheroinfreqsingle choice- seldom- 1FrequencyTHD (V1)Medical Historyheroinfreqsingle choice- seldom- 1Cocaine - Harmful useTHD (V1); (V1)Medical Historycocaineboolean- no- 0Cocaine - FrequencyTHD (V1); (V1)Medical Historycocainefreqboolean- seldom- 1Cocaine - FrequencyTHD (V1); (V1)Medical Historycocainefreqsingle choice- no- 0Club drugs (Ecstacy, GHB, Roofies) - Harmful useTHD (V1); TONMedical Historyclubdrugsfreq- no- 0Club drugs (Ecstacy, GHB, Roofies) - Harmful useTHD (V1); TONMedical Historyclubdrugsfreqsingle choice- no- 0Club drugs (Ecstacy, GHB, Roofies) - Harmful useTHD (V1); TONMedical Historyclubdrugsfreqsingle choice- no- 1Club drugs (Ecstacy, GHB, Roofies) - Harmful useTHD (V1); TONMedical History- clubdrugsfreqsingle choice- seldom- 1Club drugs (Ecstacy, GHB, Roofies) - Harmful useTHD (V1); TONMedical History- clubdrugsfreqsingle choice- seldom- 1	Marijuana - Frequency		marijuanafreq	-	- occasionally	- 2	
$\begin{array}{c c c c c c c } \mbox{Heroin - Harmful use} & THD \\ (V1); \\ TON \\ (V1) & Medical \\ History \\ (L1) & Medical \\ TON \\ (L1) & Medical \\ History \\ (L1) & Medical \\ TON \\ (L1) & Medical \\ TON \\ (L1) & Medical \\ TON \\ (L1) & Medical \\ History \\ (L1) & Medical \\ TON \\ (L1) $,		choice	- frequently	- 3	
$\begin{array}{c c c c c c } \hline Heroin - Harmful use \\ \hline TON \\ (V1) \\ \hline V1) \\ \hline TON \\ (V1) \\ \hline TON \\ \hline$					- no	- 0	
ION (V1)History (V1)History (V1)Medical Historyheroinfreqsingle- choice- seldom- 1FrequencyTHD (V1)Medical Historyheroinfreqsingle- choice- seldom- 1Cocaine - Harmful useTHD (V1)Medical Historycocaineoccasine- no- 0Cocaine - FrequencyTHD (V1); (V1)Medical Historycocainefreqsingle- choice- seldom- 1Cocaine - FrequencyTHD (V1); (V1)Medical Historycocainefreqsingle- choice- seldom- 1Club drugs (Ecstacy, GHB, Roofies) - Harmful useTHD (V1); (V1)Medical Historyclubdrugsfreqsingle- choice- no- 0Club drugs (Ecstacy, GHB, Roofies) - Harmful useTHD (V1); TONMedical Historyclubdrugsfreqsingle- choice- seldom- 1Club drugs (Ecstacy, GHB, Roofies) - TONTHD (V1); TONMedical History- und- 0- ves- 1Club drugs (Ecstacy, GHB, Roofies) - TONTHD (V1); TONMedical History- und- 0- ves- 1Club drugs (Ecstacy, GHB, Roofies) - TONTHD (V1); TONMedical History- und- 0- ves- 1Club drugs (Ecstacy, GHB, Roofies) - TONTHD (V1); TONMedical History- und- 0- 0- 0Club drugs (Ecstacy, GHB, Roofies) - TONTHD (V1); TON <td< td=""><td>Heroin - Harmful use</td><td></td><td>heroin</td><td>hoolean</td><td></td><td></td><td></td></td<>	Heroin - Harmful use		heroin	hoolean			
FrequencyTHD (V1)Medical Historyheroinfreqsingle- choice- seldom- 1Cocaine - Harmful useTHD (V1); TON (V1)Medical Historycocaineboolean- no- 0Cocaine - Harmful useTHD (V1); TON (V1)Medical Historycocaineboolean- no- 0Cocaine - FrequencyTHD (V1); TON (V1)Medical Historycocainefreqsingle- choice- no- 1Cocaine - FrequencyTHD (V1); TON (V1)Medical Historycocainefreqsingle- choice- no- 2Club drugs (Ecstacy, (V1)THD (V1); (V1)Medical Historyclubdrugsclubdrugs- no- 0Club drugs (Ecstacy, GHB, Roofies) - Harmful useTHD (V1); Medical TONMedical Historyclubdrugsfreq- single- choice- no- 0Club drugs (Ecstacy, GHB, Roofies) - Harmful useTHD (V1); TONMedical History- clubdrugsfreq- single- choice- no- 0Club drugs (Ecstacy, GHB, Roofies) - Harmful useTHD (V1); TONMedical History- 2- 1- 2Club drugs (Ecstacy, GHB, Roofies) - TONTHD (V1); TON- 2- 1- 2- 1Club drugs (Ecstacy, GHB, Roofies) - TONTHD (V1); TON- 2- 2- 2- 2Club drugs (Ecstacy, GHB, Roofies) - TONTHD History- 2- 1- 2- 2Club drugs	nerom nanna dse	,		Sooicall	- yes	- 1	
FrequencyTHD (V1)Medical Historyheroinfreqsingle- choice- occasionally- 2Cocaine - Harmful useTHD (V1); (V1)Medical HistoryMedical History- occaine- no- 0Cocaine - Harmful useTHD (V1); (V1)Medical History- cocaine- no- 0Cocaine - FrequencyTHD (V1); (V1)Medical History- cocainefreq- seldom- 1Cocaine - FrequencyTHD (V1); (V1)Medical History- cocainefreq- seldom- 1Club drugs (Ecstacy, (HB, Roofies) - Harmful useTHD (V1); (V1)Medical History- ubdrugsfreq- no- 0Club drugs (Ecstacy, (HB, Roofies) - Harmful useTHD (V1); Medical History- cubdrugsfreq- seldom- 1Club drugs (Ecstacy, (GHB, Roofies) - Harmful useTHD (V1); Medical History- cubdrugsfreq- seldom- 1Club drugs (Ecstacy, (GHB, Roofies) - Harmful useTHD (V1); TON- cubdrugsfreq- seldom- 1Club drugs (Ecstacy, (GHB, Roofies) - HistoryTHD (V1); TON- cubdrugsfreq- seldom- 1Club drugs (Ecstacy, (GHB, Roofies) - TONTHD (V1); TON- cubdrugsfreq- seldom- 1Club drugs (Ecstacy, (GHB, Roofies) - TONTHD (V1); TON- cubdrugsfreq- seldom- 1Club drugs (Ecstacy, (GHB, Roofies) - TONTHD (V1); TON- cubdrugsfreq- seldom- 1 <td></td> <td>(V1)</td> <td></td> <td></td> <td></td> <td></td> <td></td>		(V1)					
Frequency (V1) History heroinfreq occasionally - 2 Cocaine - Harmful use THD (V1); TON (V1) Medical History cocaine occaine occai		THD Medical		singla			
Cocaine - Harmful useTHD (V1); TON (V1)Medical Historycocainecocaine- frequently- 3Cocaine - FrequencyTHD (V1); TON (V1)Medical Historycocainefreqboolean- no- 0Cocaine - FrequencyTHD (V1); TON (V1)Medical Historycocainefreqsingle- 	Frequency		heroinfreq	-	- occasionally	- 2	
Cocaine - Harmful use(V1); TON (V1)Medical Historycocaineboolean- yes- 1Cocaine - FrequencyTHD (V1); TON (V1)Medical HistoryMedical cocainefreqsingle- choice- seldom- 1Club drugs (Ecstacy, GHB, Roofies) - Harmful useTHD (V1); TON (V1)Medical History- cocainefreqsingle- choice- no- 0Club drugs (Ecstacy, GHB, Roofies) - Harmful useTHD (V1); TON (V1)Medical History- ubdrugs freq- seldom- 1Club drugs (Ecstacy, GHB, Roofies) - Harmful useTHD (V1); TON (V1)Medical History- ubdrugs freq- seldom- 1Club drugs (Ecstacy, GHB, Roofies) - Harmful useTHD (V1); TONMedical History- seldom- 1Club drugs (Ecstacy, GHB, Roofies) - Harmful useTHD (V1); TONMedical History- seldom- 1Club drugs (Ecstacy, GHB, Roofies) - TONTHD (V1); TON- club drugs freq- seldom- 1Club drugs (Ecstacy, GHB, Roofies) - TONTHD (V1); TON- club drugs freq- seldom- 1- cocasionally - cocasionally- 2- cocasionally - 2- 2- cocasionally- 2- cocasionally - cocasionally- 2- cocasionally - 2- 2- cocasionally- 2- cocasionally - cocasionally- 2- cocasionally - 2- 2- cocasionally- 2- cocasionally - cocasionally<					- frequently	- 3	
Cocaine - Harmful useTON (V1)Historycocaineboolean- yes- 1Cocaine - FrequencyTHD (V1); (V1)Medical History (V1)Medical History- cocainefreq- seldom- 1Club drugs (Ecstacy, GHB, Roofies) - Harmful useTHD (V1); (V1)Medical History- cocainefreq- occasionally- 2Club drugs (Ecstacy, (V1)THD (V1); (V1);Medical History- ubdrugs- no- 0Club drugs (Ecstacy, (V1)THD (V1); (V1);Medical History- ubdrugs- no- 0Club drugs (Ecstacy, (V1)THD (V1); (V1);Medical History- ubdrugsfreq- seldom- 1Club drugs (Ecstacy, (V1); TONTHD History- ubdrugsfreq- seldom- 1- occasionallyClub drugs (Ecstacy, (V1); TONTHD History- ubdrugsfreq- seldom- 1- occasionally- 2Club drugs (Ecstacy, GHB, Roofies) - TONTHD (V1); TON- ubdrugsfreq- occasionally- 2- 0Club drugs (Ecstacy, GHB, Roofies) - TONTHD History- ubdrugsfreq <td< td=""><td></td><td>THD</td><td></td><td rowspan="3">boolean</td><td>- no</td><td>- 0</td><td></td></td<>		THD		boolean	- no	- 0	
TON (V1)History (V1)- yes- 1Cocaine - FrequencyTHD (V1); (V1)Medical History- cocainefreq- seldom- 1Club drugs (Ecstacy, GHB, Roofies) - Harmful useTHD (V1); (V1)Medical History- cocainefreq- seldom- 2Club drugs (Ecstacy, (V1); (V1);THD (V1); HistoryMedical History- ubdrugs- no- 0Club drugs (Ecstacy, (V1); (V1);THD History- ubdrugs- seldom- 1Club drugs (Ecstacy, (V1); (V1);THD History- ubdrugsfreq- seldom- 1Club drugs (Ecstacy, (V1); TONTHD History- ubdrugsfreq- seldom- 1Club drugs (Ecstacy, (V1); TONTHD History- ubdrugsfreq- seldom- 1Club drugs (Ecstacy, GHB, Roofies) - TONTHD History- ubdrugsfreq- seldom- 1Club drugs (Ecstacy, GHB, Roofies) - TONTHD History- ubdrugsfreq- seldom- 1- occasionally - occasionally- 2- occasionally- 2- occasionally- 2- frequencyTONHistory- ubdrugsfreq- occasionally- 2- occasionally- 2- frequency- occasionally- 2- occasionally- 2- occasionally- 2- occasionally- 0- occasionally- 2- occasionally- 2- occasionally- 0- occasionally- 2- occasionally- 2- occ	Cocaine - Harmful use		cocaine				
Cocaine - FrequencyTHD (V1); TON (V1)Medical Historycocainefreqsingle- choice- seldom- 1Club drugs (Ecstacy, GHB, Roofies) - Harmful useTHD (V1); TON (V1)Medical Historyclubdrugs- occasionally- 2Club drugs (Ecstacy, GHB, Roofies) - Harmful useTHD (V1); TON (V1)Medical History- uno- 0Club drugs (Ecstacy, GHB, Roofies) - Harmful useTHD (V1); TON (V1)Medical History- uno- 0Club drugs (Ecstacy, GHB, Roofies) - FrequencyTHD (V1); THD (V1); THD (V1); THD (V1); THD (V1); THD (V1); THD (V1); THD (V1); THD (V1); THD (V1); THD (Lubdrugsfreq- seldom single- choice- 1Club drugs (Ecstacy, GHB, Roofies) - FrequencyTHD (V1); THD <td>cocume mannual use</td> <td>,</td> <td>- yes</td> <td>- 1</td> <td></td>	cocume mannual use	,			- yes	- 1	
Cocaine - Frequency(V1); TON (V1)Medical Historycocainefreqsingle- 		· · /					
Cocaine - FrequencyTON (V1)HistoryCocainefreqchoicecocainefreqClub drugs (Ecstacy, GHB, Roofies) - Harmful useTHD (V1);Medical HistoryAmount clubdrugs (Ecstacy, (V1);Medical History- no- 0Club drugs (Ecstacy, (V1);THD (V1);Medical Historyclubdrugs- no- 0Club drugs (Ecstacy, (V1);THD (V1);Medical Historyclubdrugs- seldom- 1Club drugs (Ecstacy, GHB, Roofies) - FrequencyTHD (V1);Medical History- ubdrugsfreq- seldom- 1Club drugs (Ecstacy, GHB, Roofies) - FrequencyTHD (V1);Medical History- ubdrugsfreq- seldom- 1Club drugs (Ecstacy, GHB, Roofies) - FrequencyTHD (V1);- ubdrugsfreq- seldom- 1Club drugs (Ecstacy, GHB, Roofies) - FrequencyTHD (V1);- ubdrugsfreq- occasionally- 2Club drugs (Ecstacy, GHB, Roofies) - FrequencyTHD (V1);- ubdrugsfreq- occasionally- 2			cocainefreg	-	- seldom		
ION (V1)History-3Club drugs (Ecstacy, GHB, Roofies) - Harmful useTHD (V1); TON (V1)Medical History-1Club drugs (Ecstacy, (V1)THD (V1); TON (V1)Medical History-1Club drugs (Ecstacy, GHB, Roofies) - Harmful useTHD (V1); TON (V1);Medical History-1Club drugs (Ecstacy, GHB, Roofies) - TONTHD (V1); Hedical History-1- seldom-1Club drugs (Ecstacy, GHB, Roofies) - TONTHD History-1- seldom-1Club drugs (Ecstacy, GHB, Roofies) - TONTHD History-1- occasionally-2	Cocaine - Frequency				- occasionally	- 2	
Club drugs (Ecstacy, GHB, Roofies) - Harmful useTHD (V1); TON (V1)Medical Historyclubdrugs- no- 0Club drugs (Ecstacy, GHB, Roofies) - HR, Roofies) -THD (V1); THD (V1);Medical Historyclubdrugsfreq- seldom- 1Club drugs (Ecstacy, GHB, Roofies) - FrequencyTHD (V1); TONMedical Historyclubdrugsfreq- seldom- 1		,	· ·		- frequently	- 3	
GHB, Roofies) - Harmful use(V1); TON (V1)Medical Historyclubdrugsboolean- yes- 1Club drugs (Ecstacy, GHB, Roofies) - FrequencyTHD (V1); TONMedical Historyclubdrugsfreqsingle- choice- seldom- 1Club drugs (Ecstacy, GHB, Roofies) - FrequencyTHD (V1); TONMedical History- ubdrugsfreq- single- choice- occasionally- 2	Club drugs (Ecstacy				- no	- 0	
Harmful use TON (V1) History - 1 Club drugs (Ecstacy, GHB, Roofies) - Frequency THD (V1); Medical History - 1 Clubdrugs (Ecstacy, GHB, Roofies) - Frequency Medical History - 1			clubdrugs	hoolean			
Image: Non-Strain of the strain of the st			Ciubulugs	boolean	- yes	- 1	
Club drugs (Ecstacy, GHB, Roofies) - (V1); Medical History single- clubdrugsfreq occasionally - 2 Frequency TON History Clubdrugsfreq choice frequently - 2							
GHB, Roofies) - TON Integration clubdrugsfreq single- - occasionally - 2 Frequency TON History clubdrugsfreq choice frequently - 2			clubdrugsfreg	-	- seldom	- 1	
Frequency ION History choice frequently					- occasionally	- 2	
		TON History (V1)			- frequently	- 3	
amphetamines boolean - no -0			amphetamines	boolean		- 0	

		1	I	1	I		
Amphetamines -	THD (V1);	Medical					
Harmful use	TON	History			- yes	- 1	
	(V1)						
	THD				- seldom	- 1	
Amphetamines -	(V1);	Medical	amphetaminesfreq	single-	- occasionally	- 2	
Frequency	TON	History	amplictamicslicq	choice	- frequently	- 3	
	(V1)						
	THD	Medical			- no	- 0	
Ritalin - Harmful use	(V1); TON	History	ritalin	boolean	Was	- 1	
	(V1)	riistory			- yes	- 1	
					- seldom	- 1	
Ritalin - Frequency	THD	Medical	ritalinfreq	single-	- occasionally	- 2	
	(V1)	History		choice	- frequently	- 3	
	THD				- no	- 0	
Hallucinogens -	(V1);	Medical	hallucinogen	boolean			
Harmful use	TON	History	nandemogen	boolean	- yes	- 1	
	(V1)						
	THD				- seldom	- 1	
Hallucinogens -	(V1); TON	Medical	hallucinogenfreq	single- choice	- occasionally	- 2	
Frequency	(V1)	History		choice	- frequently	- 3	
	THD				- no	- 0	
Inhalants - Harmful	(V1);	Medical	inhalants	boolean			
use	TON	History	IIIIaidilts	Doblean	- yes	- 1	
	(V1)						
	THD				- seldom	- 1	
Inhalants - Frequency	(V1);	Medical	inhalantsfreq	single-	- occasionally	- 2	
	TON (V1)	History		choice	- frequently	- 3	
Opium - Harmful use	· · /		opium	boolean	- no	- 0	

				1	1		
	THD (V1); TON (V1)	Medical History			- yes	- 1	
	THD				- seldom	- 1	
Opium - Frequency	(V1);	Medical	opiumfreq	single-	- occasionally	- 2	
opiani riequency	TON (V1)	History	opianneq	choice	- frequently	- 3	
Painkillers used for	THD				- no	- 0	
non- medical reasons - Harmful use	(V1); TON (V1)	Medical History	painkiller	boolean	- yes	- 1	
Painkillers used for					- seldom	- 1	
non- medical reasons -	THD	Medical	painkillerfreq	single-	- occasionally	- 2	
Frequency	(V1)	History		choice	- frequently	- 3	
Barbiturates/sedatives	THD				- no	- 0	
use for non-medical reasons - Harmful use	(V1); TON (V1)	Medical History	barbiturate	boolean	- yes	- 1	
Barbiturates/sedatives	TUD				- seldom	- 1	
use for non-medical	THD (V1);	Medical History	barbituratefreq	single- choice	- occasionally	- 2	
reasons - Frequency	(• 1),	Thistory		choice	- frequently	- 3	
Tranquilizers used for	THD				- no	- 0	
non- medical reasons - Harmful use	(V1); TON (V1)	Medical History	tranquilizer	boolean	- yes	- 1	
Tranquilizers used for	THD				- seldom	- 1	
non- medical reasons -	(V1);	Medical	tranguilizerfreg	single-	- occasionally	- 2	
Frequency	TON (V1)	History		choice	- frequently	- 3	

other - Harmful use	THD (V1); TON	Medical History	other_mhx	boolean	- no	- 0	Available
	(V1)			ļ	- yes	- 1	upon SRC
	THD	Medical			- seldom	- 1	approval
other - Frequency	(V1); TON	History	otherfreq	single- choice	- occasionally	- 2	
	(V1)	Thistory		choice	- frequently	- 3	
	THD				- never smoked	- 1	
History of smoking	(V1);	Medical	smoking_hx	single-	- ex-smoker	- 2	
tobacco	TON (V1)	History	SHOKING_HX	choice	- currently smokes	- 3	
Cigarettes per day	THD (V1); TON (V1)	Medical History	cigperday	number			PDS
other - Years of smoking	THD (V1); TON (V1)	Medical History	smokyears	number			203
	THD				- no	- 0	
Does the subject have any allergies?	(V1); TON (V1)	Medical History	allergies	boolean	- yes	- 1	
Please list allergies	THD (V1); TON (V1)	Medical History	allergieslist	text			Not Available
	THD				- no	- 0	
Psychiatric History - Depression	(V1); TON (V1)	Medical History	depression_ hx	boolean	- yes	- 1	PDS

	THD				- no	- 0	
Psychiatric History - OCD	TON	Medical History	ocd	boolean	- yes	- 1	
	(V1) THD				- no	- 0	
Psychiatric History - Psychosis	(V1);	Medical History	psychosis_ hx	boolean	- yes	- 1	
	THD				- no	- 0	
Psychiatric History - Suicidal ideation		Medical History	suicidal_ hx	boolean	- yes	- 1	
	THD				- no	- 0	
Psychiatric History - Suicide attempt		Medical History	suicide_hx	boolean	- yes	- 1	

5.3.17 Form "Motor"

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Completeness of motor score	TON (V1,V2,V3)	Motor	cmplms	numeric				Available upon SRC approval
Motor score	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Motor	motscore	number				
	THD				- complete (normal)	- 0		PDS
Ocular pursuit -	(V1,V2,V3,V4);	Motor	ocularh	single-	- jerky movement	- 1	1	
Horizontal	TON (V1,V2,V3) Motor		ocularii	choice	 interrupted pursuits/full range 	- 2		

					- incomplete range	- 3		
					- cannot pursue	- 4		
					- complete (normal)	- 0		
	THD				- jerky movement	- 1		
Ocular pursuit - Vertical	(V1,V2,V3,V4); TON	Motor	ocularv	single- choice	 interrupted pursuits/full range 	- 2		
	(V1,V2,V3)				- incomplete range	- 3		
					 cannot pursue 	- 4		
					- normal	- 0		
	TUD				 increased latency only 	- 1		
Saccade initiation - Horizontal	····· · · · · · · · · · · · · · · · ·	(V1,V2,V3,V4);	Motor	sacinith	single- choice	 suppressible blinks or head movements to initiate 	- 2	
Honzonta		/3)		choice	 unsuppressible head movements 	- 3		
					- cannot initiate saccades	- 4		
					- normal	- 0		
	TUD				- increased latency only	- 1		
Saccade initiation - Vertical	THD (V1,V2,V3,V4); TON	Motor	sacinitv	single- choice	- suppressible blinks or head movements to initiate	- 2		
	(V1,V2,V3)			choice	 unsupressible head movements 	- 3		
					- cannot initiate saccades	- 4		
					- normal	- 0		
Concordo vista site	THD			منمواء	- mild slowing	- 1		
Saccade velocity -	(V1,V2,V3,V4);	Motor	sacvelh	single- choice	- moderate slowing	- 2		
Horizontal TON (V1.V2.V3)	(V1,V2,V3)			CHOICE	 severely slow, full range 	- 3		
	(,,,				- incomplete range	- 4		
Saccade velocity -	THD	Motor	sacvelv	single-	- normal	- 0		
Vertical	(V1,V2,V3,V4);	WIDEUI	Sacvelv	choice	- mild slowing	- 1		

	TON				- moderate slowing	- 2	
	(V1,V2,V3)				- severely slow, full range	- 3	
					- incomplete range	- 4	
					- normal	- 0	
	THD				- unclear, no need to repeat	- 1	
Dysarthria	(V1,V2,V3,V4); TON	Motor	dysarth	single- choice	 must repeat to be understood 	- 2	
	(V1,V2,V3)				- mostly incomprehensible	- 3	
					- anarthria	- 4	
					 can hold tongue fully protruded for 10 sec 	- 0	
	THD				 cannot keep fully protruded for 10 sec 	- 1	
Fongue (V1,V2,V3,V4); protrusion TON	Motor	tongue	single- choice	 cannot keep fully protruded for 5 sec 	- 2		
	(V1,V2,V3)	V2,V3)			 cannot fully protrude tongue 	- 3	
					 cannot protrude tongue beyond lips 	- 4	
					- normal (>	- 0	
					 mild slowing, reduction in amplitude (11-14/5 sec.) 	- 1	
Finger taps - Right	THD (V1,V2,V3,V4);	Motor	fingtapr	single- choice	 moderately impaired (7- 10/5 sec.) 	- 2	
	(V1,V2,V3)			choice	- severely impaired (3- 6/5 sec.)	- 3	
					 can barely perform task (0- 2/5 sec.) 	- 4	
Finger taps - Left		Motor	fingtapl		- normal (>	- 0	

					 mild slowing, reduction in amplitude (11-14/5 sec.) 	- 1	
	THD (V1,V2,V3,V4);			single-	 moderately impaired (7- 10/5 sec.) 	- 2	
	TON (V1,V2,V3)			choice	- severely impaired (3- 6/5 sec.)	- 3	
					 can barely perform task (0- 2/5 sec.) 	- 4	
					- normal	- 0	
	THD				 mild slowing and/or irregular 	- 1	
Pronate/supinate- hands - Right	(V1,V2,V3,V4); TON	Motor	prosupr	single- choice	 moderate slowing and irregular 	- 2	
	(V1,V2,V3)				 severe slowing and irregular 	- 3	
					- cannot perform	- 4	
					- normal	- 0	
	THD				 mild slowing and/or irregular 	- 1	
Pronate/supinate- hands - Left	(V1,V2,V3,V4); TON	Motor	prosupl	single- choice	 moderate slowing and irregular 	- 2	
	(V1,V2,V3)				 severe slowing and irregular 	- 3	
					- cannot perform	- 4	
					- >	- 0	
	THD (V1,V2,V3,V4); TON Motor			aingle	 <4 in 10 sec, no cue 	- 1	
Luria		luria	single- choice	- >	- 2		
		FON			- <4 in 10 sec with cues	- 3	
	(V1,V2,V3)				- cannot perform	- 4	
		Motor	rigarmr		- absent	- 0	

Rigidity-arms - Right	THD (V1,V2,V3,V4); TON (V1,V2,V3)			single- choice	 slight or present only with activation mild to moderate severe, full range of motion 	- 1 - 2 - 3	
					- severe with limited range	- 4	
					- absent	- 0	
Dividity	THD			single	 slight or present only with activation 	- 1	
Rigidity-arms - Left	(V1,V2,V3,V4); TON	Motor	rigarml	single- choice	- mild to moderate	- 2	
Left TON (V1,V2,V3)				choice	 severe, full range of motion 	- 3	
					- severe with limited range	- 4	
					- normal	- 0	
	THD (V1,V2,V3,V4); TON (V1,V2,V3)				- minimally slow (?normal)	- 1	
Bradykinesia-				single-	 mildly but clearly slow 	- 2	
body		Motor	brady	choice	 moderately slow, some hesitation 	- 3	
	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				 markedly slow, long delays in initiation 	- 4	
					- absent	- 0	
	THD				- slight/intermittent	- 1	
Maximal dystonia - Trunk	(V1,V2,V3,V4); TON	Motor	dysttrnk	single- choice	 mild/common or moderate/intermittent 	- 2	
	(V1,V2,V3)				- moderate/common	- 3	
					- marked/prolonged	- 4	
тн	THD				- absent	- 0	
Maximal dystonia	(V1,V2,V3,V4);	Motor	dystrue	single-	- slight/intermittent	- 1	
RUE T	TON (V1,V2,V3)	WOOD	aystite	choice	 mild/common or moderate/intermittent 	- 2	

		l		1	- moderate/common	- 3		
					- marked/prolonged	- 4		
					- absent	- 0	-	
	THD				- slight/intermittent	- 1		
Maximal dystonia - LUE	(V1,V2,V3,V4); TON	Motor	dystlue	single- choice	- mild/common or moderate/intermittent	- 2		
	(V1,V2,V3)				- moderate/common	- 3		
					- marked/prolonged	- 4		
					- absent	- 0		
	al dystonia THD (V1,V2,V3,V4); TON (V1,V2,V3)				- slight/intermittent	- 1		
Maximal dystonia - RLE			Motor	dystrle	single- choice	- mild/common or moderate/intermittent	- 2	
					- moderate/common	- 3		
					- marked/prolonged	- 4		
					- absent	- 0		
	THD				- slight/intermittent	- 1		
Maximal dystonia - LLE	(V1,V2,V3,V4); TON	Motor	dystlle	single- choice	- mild/common or moderate/intermittent	- 2		
	(V1,V2,V3)				- moderate/common	- 3		
					- marked/prolonged	- 4		
					- absent	- 0		
	THD				- slight/intermittent	- 1		
Maximal chorea - Face	/laximal chorea - (V1,V2,V3,V4);	Motor	chorface	single- choice	- mild/common or moderate/intermittent	- 2		
(V1,V2,V3)				- moderate/common	- 3			
					- marked/prolonged	- 4		
Maximal chorea -	THD	N 4 a t a u	ale a via a l	single-	- absent	- 0		
BOL	(V1,V2,V3,V4);	Motor	chorbol	choice	- slight/intermittent	- 1		

	TON (V1,V2,V3)				- mild/common or moderate/intermittent	- 2		
					- moderate/common	- 3		
					- marked/prolonged	- 4		
					- absent	- 0		
	THD				- slight/intermittent	- 1		
Maximal chorea - Trunk	(V1,V2,V3,V4); TON	Motor	chortrnk	single- choice	- mild/common or moderate/intermittent	- 2		
	(V1,V2,V3)				- moderate/common	- 3		
					- marked/prolonged	- 4		
					- absent	- 0		
	TON	THD				- slight/intermittent	- 1	
Maximal chorea - RUE		Motor	chorrue	single- choice	 mild/common or moderate/intermittent 	- 2		
	(V1,V2,V3)				- moderate/common	- 3		
					- marked/prolonged	- 4		
					- absent	- 0		
	THD				- slight/intermittent	- 1		
Maximal chorea - LUE	(V1,V2,V3,V4); TON	Motor	chorlue	single- choice	 mild/common or moderate/intermittent 	- 2		
	(V1,V2,V3)				- moderate/common	- 3		
					- marked/prolonged	- 4		
					- absent	- 0		
	THD				- slight/intermittent	- 1		
Maximal chorea - RLE	iximal chorea - (V1,V2,V3,V4); TON	Motor	chorrle	single- choice	 mild/common or moderate/intermittent 	- 2		
	(V1,V2,V3)				- moderate/common	- 3		
					- marked/prolonged	- 4		
		Motor	chorlle		- absent	- 0		

	TUD				- slight/intermittent	- 1		
Maximal chorea - LLE	THD (V1,V2,V3,V4); TON			single- choice	 mild/common or moderate/intermittent 	- 2		
	(V1,V2,V3)			choice	- moderate/common	- 3		
	(*1)*2)*3)				- marked/prolonged	- 4		
					- normal gait, narrow base	- 0		
	THD				 wide base and/or slow 	- 1		
Gait	(V1,V2,V3,V4); TON	Motor	gait	single- choice	 wide base and walks with difficulty 	- 2		
	(V1,V2,V3)				- walks only with assistance	- 3		
					- cannot attempt	- 4		
THD (V1,V	THD (V1,V2,V3,V4); TON (V1,V2,V3)					- normal for 10 steps	- 0	
				single- choice	 1 to 3 deviations from straight line 	- 1		
Tandem walking		Motor	tandem		- >3 deviations	- 2		
					- cannot complete	- 3		
					- cannot attempt	- 4		
					- normal	- 0		
	THD				- recovers spontaneously	- 1		
Retropulsion pull test	(V1,V2,V3,V4); TON	Motor	retropls	single- choice	- would fall if not caught	- 2		
	(V1,V2,V3)			enoice	- tends to fall spontaneously	- 3		
	(- cannot stand	- 4		
					- normal (no abnormalities)	- 0		
Diagnostic confidence level	THD (V1,V2,V3,V4); TON	Motor	diagconf	single- choice	 non-specific motor abnormalities (less than 50 % confidence) 	- 1		
(DCL)	TON (V1,V2,V3)				 motor abnormalities that may be signs of HD (50 - 89 % confidence) 	- 2		

	 motor abnormalities that are likely signs of HD (90 - 98 % confidence) 	- 3	
	 motor abnormalities that are unequivocal signs of HD (> 	- 4	

5.3.18 Form "Short Behavioural Assessment (PBA-s)"

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Behavioural score	THD (V1,V2,V3,V4)	PBA-s	basscore	number				
					- absent	- 0		
					- questionable	- 1		
Depressed mood - Severity	THD (V1,V2,V3,V4)	PBA-s	basdepr	single- choice	 low mood is present intermittently but does not interfere with everyday function; rate 2 if subject can easily enjoy amusing activities or visits from friends 	- 2		PDS

					- subject feels sad much of the time and takes no pleasure from things that he/she usually enjoys, but may still be able to cheer up sometimes with a big effort; rate 3 if low mood has definite effect on subject's lifestyle, e.g. unable to enjoy company of friends or amusing diversions	- 3	
					 subject feels sad and utterly miserable all day, takes no pleasure from things that he/she usually enjoys, does not cheer up anytime 	- 4	
					 never/almost never seldom (less than once/week) 	- 0 - 1	
Depressed mood -	THD	PBA-s	basdeprfre	single-	 sometimes (up to four times a week) 	- 2	
Frequency	(V1,V2,V3,V4)		Susseptite	choice	 frequently (most days/5, 6 or 7 times a week) 	- 3	
					 daily/almost daily for most (or all) of day 	- 4	
Depressed mood - Worst	THD (V1,V2,V3,V4)	PBA-s	basdeprworst	single- choice	- absent - questionable	- 0 - 1	

					- low mood is present intermittently but does not interfere with everyday function; rate 2 if subject can easily enjoy amusing activities or visits from friends	- 2	
					 subject feels sad much of the time and takes no pleasure from things that he/she usually enjoys, but may still be able to cheer up sometimes with a big effort; rate 3 if low mood has definite effect on subject's lifestyle, e.g. unable to enjoy company of friends or amusing diversions 	- 3	
					 subject feels sad and utterly miserable all day, takes no pleasure from things that he/she usually enjoys, does not cheer up anytime 	- 4	
Suicidal ideation - Severity	THD (V1,V2,V3,V4)	PBA-s	bassuic	single- choice	 absent questionable; also rate 1 if subject plans suicide at a later date when disease is more severe but obtains comfort 	- 0	

					from this as means to retain control of destiny		
					 sometimes very pessimistic with fleeting suicidal ideation 	- 2	
					 subject has pervasive and distressing feelings of hopelessness and more prolonged or frequent suicidal ideation, but has not yet acted on this in any way 	- 3	
					- subject has attempted suicide or has made preparations such as saving up tablets or planning ways to avoid discovery when doing it	- 4	
					 never/almost never seldom (less than 	- 0	
					once/week)	- 1	
Suicidal ideation -	THD	PBA-s	bassuicfre	single-	 sometimes (up to 4 times a week) 	- 2	
Frequency	(V1,V2,V3,V4)	PBA-2	Dassuicire	choice	 frequently (most days/5, 6 or 7 times a week) 	- 3	
					 daily/almost daily for most (or all) of day 	- 4	

Suicidal ideation - Worst	THD (V1,V2,V3,V4)	PBA-s	bassuicworst	single- choice	 absent questionable; also rate 1 if subject plans suicide at a later date when disease is more severe but obtains comfort from this as means to retain control of destiny sometimes very pessimistic with fleeting suicidal ideation subject has pervasive and distressing feelings of hopelessness and more prolonged or frequent suicidal ideation, but has not yet acted on this in any way subject has attempted suicide or has made 	- 0 - 1 - 2 - 3	
					preparations such as saving up tablets or planning ways to avoid discovery when doing it	- 4	
					- absent	- 0	
Anxiety - Severity	THD (V1,V2,V3,V4)	PBA-s	basanx	single- choice	 questionable, vague unease (also rate 1 if subject's only worry or anxiety is about prognosis of HD) 	- 1	

					- subject experiences intermittent worry or anxiety, but symptom is not severe enough to cause significant distress or interfere with everyday activities; rate 2 for mild anticipatory anxiety prior to social events or unfamiliar activities e.g. hospital appointments	- 2	
					 unpleasant anxiety is present much of the time, and has a significant impact on subject's behaviour (e.g. avoids going to places or events associated with provoking anxiety) 	- 3	
					 worry, anxiety or panic are present all the time and have a major impact on subject's lifestyle (e.g. agoraphobia such that subject cannot leave home without an escort) 	- 4	
					- never/almost never	- 0	
Anxiety - Frequency		PBA-s	basanxfre	single- choice	 seldom (less than once/week) 	- 1	
	(V1,V2,V3,V4)			CHOICE	 sometimes (up to 4 times a week) 	- 2	

					 frequently (most days/5, 6 or 7 times a week) daily/almost daily for most (or all) of day 	- 3	
					- absent	- 0	
					 questionable, vague unease (also rate 1 if subject's only worry or anxiety is about prognosis of HD) 	- 1	
Anxiety - Worst	THD (V1,V2,V3,V4)	PBA-s	basanxworst	single- choice	 subject experiences intermittent worry or anxiety, but symptom is not severe enough to cause significant distress or interfere with everyday activities; rate 2 for mild anticipatory anxiety prior to social events or unfamiliar activities e.g. hospital appointments 	- 2	
					- unpleasant anxiety is present much of the time, and has a significant impact on subject's behaviour (e.g. avoids going to places or events associated with provoking anxiety)	- 3	

					- worry, anxiety or panic are present all the time and have a major impact on subject's lifestyle (e.g. agoraphobia such that subject cannot leave home without an escort)	- 4	
					 no more irritable than the average person 	- 0	
					 questionable or trivial; within normal limits but worse than he/she used to be 	- 1	
Irritability - Severity	THD (V1,V2,V3,V4)	PBA-s	basirrit	single- choice	- definitely more irritable than is reasonable, but not to an extent which causes significant problems or distress for other household members; rate 2 if subject appeared to be in a bad mood, but rater considered that subject might have become angry if not treated with tact	- 2	

					- subject very irritable and loses temper over trivial matters; household members have to be careful what they say and do to avoid problems; rate 3 if subject's appearance and behaviour suggestive of angry mood, such that outbursts would almost certainly have occurred if care had not been taken to placate subject or to keep out of his/her way	- 3	
					 subject very irritable and loses temper without any obvious reason at all; living with him/her is like walking on eggshells 	- 4	
					 never/almost never seldom (less than 	- 0	
					once/week)	- 1	
Irritability - Frequency	THD	PBA-s	basirritfre	single-	 sometimes (up to 4 times a week) 	- 2	
	(V1,V2,V3,V4)	T DA-3		choice	 frequently (most days/5, 6 or 7 times a week) 	- 3	
					 daily/almost daily for most (or all) of day 	- 4	

					 no more irritable than the average person questionable or trivial; within normal limits but worse than he/she used to be 	- 0 - 1	
Irritability - Worst	THD (V1,V2,V3,V4)	PBA-s	basirritworst	single- choice	- definitely more irritable than is reasonable, but not to an extent which causes significant problems or distress for other household members; rate 2 if subject appeared to be in a bad mood, but rater considered that subject might have become angry if not treated with tact	- 2	

					- subject very irritable and loses temper over trivial matters; household members have to be careful what they say and do to avoid problems; rate 3 if subject's appearance and behaviour suggestive of angry mood, such that outbursts would almost certainly have occurred if care had not been taken to placate subject or to keep out of his/her way	- 3	
					 subject very irritable and loses temper without any obvious reason at all; living with him/her is like walking on eggshells 	- 4	
Angry or aggressive	THD	PBA-s	basbeh	single-	- normal	- 0	
behaviour - Severity	(V1,V2,V3,V4)			choice	- questionable	- 1	

		 verbal outbursts which are outside socially acceptable limits but do not cause significant problems or distress for other household members; for example, rate 2 if subject becomes angry with self or inanimate objects when confronted with frustrating situations due to disability, such as failure when attempting to rewire a plug 	- 2	
--	--	--	-----	--

		 temper tantrums are severe enough to cause significant distress for other household members and/or practical difficulties caring for the subject; rate 3 when verbal hostility or anger is directed towards another person (e.g. shouting, sarcastic name- calling, use of foul or abusive language). Also rate 3 if there are explicit verbal threats of violence to another person, or behaviour causing a justifiable fear of personal violence (e.g. subject approaches too close, raises fist, mild pushing). Also rate 3 for violence towards property. 	
--	--	---	--

					- subject has temper tantrums so severe that relationship with carers is compromised, creating risk that subject will be rejected; rate 4 if there has been any kind of actual physical assault (includes pushing, shoving, hitting, biting, scratching, kicking) or threatening behaviour involving weapons	- 4	
					 never/almost never seldom (less than once/week) 	- 0 - 1	
Angry or aggressive	THD	PBA-s	basbehfre	single-	 sometimes (up to 4 times a week) 	- 2	
behaviour - Frequency	(V1,V2,V3,V4)	r dA-3	Daspellite	choice	 frequently (most days/5, 6 or 7 times a week) 	- 3	
					 daily/almost daily for most (or all) of day 	- 4	
Angry or aggressive	THD	PBA-s	basbehworst	single-	- normal	- 0	
behaviour - Worst	(V1,V2,V3,V4)			choice	- questionable	- 1	

	- verbal outbursts which are outside socially acceptable limits but do not cause significant problems or distress for other household members; for example, rate 2 if subject becomes angry with self or inanimate objects when confronted with frustrating situations due to disability, such as failure when attempting to rewire a plug	- 2	
	 temper tantrums are severe enough to cause significant distress for other household members and/or practical difficulties caring for the subject; rate 3 when verbal hostility or anger is directed towards another person (e.g. shouting, sarcastic name-calling, use of foul or abusive language). Also rate 3 if there are explicit verbal threats of violence to another person, or behaviour 	- 3	

				causing a justifiable fear of personal violence (e.g. subject approaches too close, raises fist, mild pushing)		
				- subject has temper tantrums so severe that relationship with carers is compromised, creating risk that subject will be rejected; rate 4 if there has been any kind of actual physical assault (includes pushing, shoving, hitting, biting, scratching, kicking) or threatening behaviour involving weapons	- 4	
THD	0 (V3,V4) PB	BA-s	basenthusiasm	- absent	- 0	

					- subject experiences less interest or enthusiasm for new things, or admits to greater difficulty initiating new projects; he/she feels 'stuck in a rut'	- 1	
Enthusiasm/spontaneity - Severity				single- choice	 subject is definitely less spontaneous and needs some gentle prompting to try anything new 	- 2	
					 subject is definitely less spontaneous and needs a lot of prompting to try anything new 	- 3	
					 subject no longer shows any spontaneity; refuses to try anything new even with a lot of prompting 	- 4	
					 never/almost never seldom (less than once/week) 	- 0 - 1	
Enthusiasm/spontaneity - Frequency	THD (V3)	PBA-s	basenthusiasmfre	single-	- sometimes (up to 4 times a week)	- 2	
	THD (V3) PBA-S	basentilusiasinne	choice	 frequently (most days/5, 6 or 7 times a week) 	- 3		
					- daily/almost daily for most (or all) of day	- 4	

				1	- symptom absent	- 0	
Household chores - Severity	THD (V3,V4)	PBA-s	bashhchores	single- choice	- questionable; subject tends to put off household tasks which were previously part of normal daily routine, but gets round to them in the end without prompting, and there is no significant deterioration in the state of the subject's living environment	- 1	
					- subject finds it hard to get round to tasks which were previously part of his/her normal routine, and tends to need gentle prompting to do these things; living environment is within socially acceptable limits but definitely less house- proud than previously	- 2	

					- needs overt or repeated prompting to perform routine household tasks; mail may be left unopened for long periods; living environment has deteriorated beyond socially acceptable limits (or would have done so without intervention of carers)	- 3	
					 subject no longer makes any attempt to perform these tasks, even with overt prompting, and is living in squalor (or would be without intervention of carers) 	- 4	
					- never/almost never	- 0	
					 seldom (less than once/week) 	- 1	
Household chores -	THD (V3)	PBA-s	bashhchoresfre	single-	 sometimes (up to 4 times a week) 	- 2	
Frequency		3		choice	 frequently (most days/5, 6 or 7 times a week) 	- 3	
					 daily/almost daily for most (or all) of day 	- 4	
	THD (V3,V4)	PBA-s	baspersev		- symptom absent	- 0	

					- starts and completes routine daily tasks or hobby activities, but the task may be rushed, or not completed with the usual degree of care, or to the standard set on beginning the task	- 1	
Lack of perseverance (failure to complete tasks once started) - Severity				single- choice	- fails to complete routine daily tasks or hobby activities which he/she would previously have been able to carry out in one session, but returns, unprompted, and finishes them later after a rest (or doing something else)	- 2	
					 fails to complete routine daily tasks or hobby activities which he/she started, but will return to finish them with prompting 	- 3	
					- fails to complete routine daily tasks or hobby activities which he/she has started, and does not come back to them later, even with prompting	- 4	
	THD (V3)	PBA-s	baspersevfre		 never/almost never 	- 0	

Lack of perseverance				single	 seldom (less than once/week) sometimes (up to 4 times a week) 	- 1 - 2	
(failure to complete tasks once started) - Frequency				single- choice	 frequently (most days/5, 6 or 7 times a week) 	- 3	
					 daily/almost daily for most (or all) of day 	- 4	
					- symptom absent	- 0	
					 spends less time engaged in hobbies/leisure pursuits, but still initiates them without prompting 	- 1	
Hobbies/spare time activities - Severity	THD (V3,V4)	PBA-s	bashobby	single- choice	 needs gentle prompting to initiate hobbies or pastimes which he/she used to enjoy, but still engages in a range of leisure activities and appears to enjoy them 	- 2	

	 needs quite overt prompting to take part in hobbies or pastimes which he/she used to enjoy; will take part in activities that are organised by other people (e.g. at a day care centre) but makes little or no spontaneous effort and sometimes appears to be doing nothing at all if not prompted by carers; rarely reads now (except simple material like TV listings) but appears to enjoy watching TV and able to engage emotionally and intellectually with material presented 	- 3	
	 never initiates never initiates activities, and displays no interest in hobbies or pastimes even when prompted; spends quite long periods apparently doing nothing at all; active choices limited to selecting TV programmes to watch, and perhaps switching 	- 4	

					on or changing channel to do this)		
					- never/almost never	- 0	
Hobbies/spare time activities - Frequency	THD (V3,V4) PBA-s				 seldom (less than once/week) 	- 1	
			hard all for	single-	 sometimes (up to 4 times a week) 	- 2	
		PBA-S	bashobbyfre	choice	 frequently (most days/5, 6 or 7 times a week) 	- 3	
					- daily/almost daily for most (or all) of day	- 4	
					- symptom absent	- 0	
Social activities - Severity	THD (V3,V4)	PBA-s	bassocact	single- choice	- questionable or trivial; subject enjoys social contacts and is proactive in organising social activities, but social circle may be more restricted (for example, to close friends and immediate family)	- 1	

					- subject clearly enjoys social contacts with others but is less proactive in organising social activities with friends and relatives, and leaves it to others to organise these activities	- 2		
					 makes little or no effort to keep up with friends and leaves it to others to initiate any social contacts; appears to obtain less enjoyment from social contacts 	- 3		
					 displays no interest in friends / relatives and does not engage in social activities, or may actively resist these 	- 4		
Social activities - Frequency	THD (V3)	PBA-s	bassocactfre	single- choice	 never/almost never seldom (less than once/week) 	- 0 - 1		
					- sometimes (up to 4 times a week)	- 2		
					 frequently (most days/5, 6 or 7 times a week) 	- 3		
					 daily/almost daily for most (or all) of day 	- 4		
Spontaneous conversation - Severity	THD (V3,V4)	PBA-s	bassconv	single- choice	 symptom absent questionable or trivial 	- 0 - 1		

					 subject engages in (and clearly enjoys) conversation but friends / relatives have noticed a definite reduction in spontaneity and reciprocity 	- 2		
					 able to take part in (and seems to enjoy) conversation, but tends to follow and rarely initiates a change of subject 	- 3		
					 markedly impoverished speech, does not initiate new topics of conversation except in relation to own needs 	- 4		
					- never/almost never	- 0		
Spontaneous conversation - Frequency		PBA-s	bassconvfre	single- choice	 seldom (less than once/week) 	- 1	-	
					 sometimes (up to 4 times a week) 	- 2		
	THD (V3)				 frequently (most days/5, 6 or 7 times a week) 	- 3		
					 daily/almost daily for most (or all) of day 	- 4		
Self-care - Severity	THD (V3,V4)	PBA-s	bascare		- symptom absent	- 0		

Imits, but still takes an obvious interest and pride in his/her appearance and routinely initiates grooming activities or requests help in this area - 3		 no outward change in grooming and self-care, but less interested in fashion and appearance, no longer takes pleasure from new clothes, etc. subject and/or carer have noticed change (e.g. no longer takes same care over appearance or bothers with make-up) but still within socially acceptable limits. Rate 2 if subject is no longer capable of maintaining appearance within socially acceptable 	- 1	
		obvious interest and pride in his/her appearance and routinely initiates grooming activities or requests help in this area - subject's self care has deteriorated below socially acceptable limits	- 3	

					 subject would not engage in any grooming activities without prompting (e.g. would not wash without carer prompting or initiating washing) 	- 4	
					- never/almost never	- 0	
				single- choice	 seldom (less than once/week) 	- 1	
Self-care - Frequency	THD (V3)	PBA-s	bascarefre		- sometimes (up to 4 times a week)	- 2	
		r DA-3			 frequently (most days/5, 6 or 7 times a week) 	- 3	
					 daily/almost daily for most (or all) of day 	- 4	
					 symptom absent 	- 0	
					- questionable	- 1	
Lack of initiative (apathy) - Severity	THD (V1,V2,V3,V4)	PBA-s	basapath	single- choice	- subject no longer tries new things; may need gentle prompting to initiate hobbies or pastimes which he/she usually enjoys; makes less effort to keep up with friends and relatives; tends to put off household tasks which were previously part of normal daily routine and may need	- 2	

	gentle prompting to do these things		
	- needs quite overt prompting to take part in hobbies or pastimes which he/she used to enjoy, or to carry out routine daily household tasks; makes little or no effort to keep up with friends and leaves it to others to initiate any social contacts; able to take part in (and apparently enjoy) conversation, but tends to follow and is less likely to initiate a change of subject	- 3	

					 no longer performs any household tasks, even if prompted repeatedly; never initiates activities, and displays no interest in hobbies or pastimes; markedly impoverished speech, rarely initiates new topics of conversation except in relation to own needs; active choices limited to selecting TV programmes to watch, and perhaps switching on or changing channel to do this 	- 4	
					- never/almost never	- 0	
					 seldom (less than once/week) 	- 1	
Lack of initiative	THD	PBA-s	basapathfre	single-	 sometimes (up to 4 times a week) 	- 2	
(apathy) - Frequency	(V1,V2,V3,V4)	r da-s	basapatinte	choice	 frequently (most days/5, 6 or 7 times a week) 	- 3	
					 daily/almost daily for most (or all) of day 	- 4	
Lack of initiative	THD	PBA-s	basapathworst	single-	 symptom absent 	- 0	
(apathy) - Worst	(V2,V3,V4)	1073	Susupathworst	choice	- questionable	- 1	

	- subject no longer tries new things; may need gentle prompting to initiate hobbies or pastimes which he/she usually enjoys; makes less effort to keep up with friends and relatives; tends to put off household tasks which were previously part of normal daily routine and may need gentle prompting to do these things	- 2	
	- needs quite overt prompting to take part in hobbies or pastimes which he/she used to enjoy, or to carry out routine daily household tasks; makes little or no effort to keep up with friends and leaves it to others to initiate any social contacts; able to take part in (and apparently enjoy) conversation, but tends to follow and is less likely to initiate a change of subject	- 3	

					 no longer performs any household tasks, even if prompted repeatedly; never initiates activities, and displays no interest in hobbies or pastimes; markedly impoverished speech, rarely initiates new topics of conversation except in relation to own needs; active choices limited to selecting TV programmes to watch, and perhaps switching on or changing channel to do this 	- 4	
					 symptom absent questionable or trivial 	- 0 - 1	
Obsessive-compulsive behaviours - Severity	THD (V2,V3,V4)	PBA-s	basobscomp	single- choice	 obsessional thoughts or mild compulsive behaviours which do not interfere with everyday life or cause subject significant distress; rate 2 if subject has mild obsessive- compulsive traits such as double checking (a small number of times) that doors are locked or ashtrays empty at night 	- 2	

					 obsessive-compulsive behaviours are present to a degree which interferes with everyday life or causes significant distress for subject; rate 3 if subject displays mild ritualistic behaviours such as hand-washing, turning lights on and off repetitively 'evening- up' after touching things b y touching with the other hand too 	- 3	
					 obsessional phenomena cause serious distress, are time consuming (>1 hour/day) or significantly interfere with the person's normal routine, occupational functioning or usual social activities or relationships 	- 4	
					- never/almost never	- 0	
					 seldom (less than once/week) 	- 1	
Obsessive-compulsive behaviours - Frequency	THD (V2,V3,V4)	PBA-s	basobscompfre	single- choice	 sometimes (up to 4 times a week) 	- 2	
					 frequently (most days/5, 6 or 7 times a week) 	- 3	

					 daily/almost daily for most (or all) of day 	- 4	
					 symptom absent 	- 0	
					- questionable or trivial	- 1	
Obsessive-compulsive behaviours - Worst	THD (V2,V3,V4)	PBA-s	basobscompworst	single- choice	 obsessional thoughts or mild compulsive behaviours which do not interfere with everyday life or cause subject significant distress; rate 2 if subject has mild obsessive-compulsive traits such as double checking (a small number of times) that doors are locked or ashtrays empty at night 	- 2	
					- obsessive-compulsive behaviours are present to a degree which interferes with everyday life or causes significant distress for subject; rate 3 if subject displays mild ritualistic behaviours such as hand-washing, turning lights on and off repetitively or "evening- up" after touching things by touching with the other hand too	- 3	

					 obsessional phenomena cause serious distress, are time consuming (>1 hour/day) or significantly interfere with the person's normal routine, occupational functioning or usual social activities or relationships 	- 4	
					 symptom absent 	- 0	
					- questionable	- 1	
Perseverative thinking or behaviour - Severity	THD (V1,V2,V3,V4)	PBA-s	basthink	single- choice	 mild perseverative behaviours or abnormal preoccupations are present but do not interfere with everyday life or cause significant distress for subject or carers; rate 2 if carer reports that subject tends to come out with comments which refer to an earlier topic of conversation, or when rater observes perseverative phenomena during examination (e.g. continues tandem walking after test completed) 	- 2	

	- abnormal preoccupations or repetitive behaviours occupy a significant proportion of subject's attention and cause distress for subject or practical problems for carers; for example, rate 3 if carers report that subject will not let matter drop after an argument, and keeps returning to the same contentious issue all day, or has repetitive behaviours (see below) which cause some interference with everyday care	- 3	
	- abnormal preoccupations occupy most of subject's attention for several days at a time, causing major problems or distress for subject and carers, or subject cannot be diverted from repetitive behaviours (pacing, smoking, repeatedly visiting the toilet) which interfere	- 4	

					significantly with everyday care		
					- never/almost never	- 0	
			basthinkfre		 seldom (less than once/week) 	- 1	
Perseverative thinking or behaviour -	THD	PBA-s		single-	 sometimes (up to 4 times a week) 	- 2	
Frequency	(V1,V2,V3,V4)	r DA-S	Dastillikite	choice	 frequently (most days/5, 6 or 7 times a week) 	- 3	
					 daily/almost daily for most (or all) of day 	- 4	
Perseverative thinking	THD	PBA-s	basthinkworst	single-	 symptom absent 	- 0	
or behaviour - Worst	(V2,V3,V4)	r dA-3	Dastillikwoist	choice	- questionable	- 1	

		- mild perseverative behaviours or abnormal preoccupations are present but do not interfere with everyday life or cause significant distress for subject or carers; rate 2 if carer reports that subject tends to come out with comments which refer to an earlier topic of conversation, or when rater observes perseverative phenomena during examination (e.g. continues tandem walking after test completed)	- 2	
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	- abnormal preoccupations or repetitive behaviours occupy a significant proportion of subject's attention and cause distress for subject or practical problems for carers; for example, rate 3 if carers report that subject will not let matter drop after an argument, and keeps returning to the same contentious issue all day, or has repetitive behaviours (see below) which cause some interference with everyday care	- 3	
	- abnormal preoccupations occupy most of subject's attention for several days at a time, causing major problems or distress for subject and carers, or subject cannot be diverted from repetitive behaviours (pacing, smoking, repeatedly visiting the toilet) which interfere	- 4	

					significantly with everyday care		
Delusions / paranoid	THD			single-	 symptom absent questionable or trivial overvalued ideas (not amounting to true delusions) are present for some part of the day but do not affect subject's behaviour 	- 0 - 1 - 2	
thinking - Severity	(V1,V2,V3,V4)	PBA-s	basdel	choice	- overvalued ideas are present for much of the day, and subject behaves as if these beliefs were true, although he/she can be persuaded (with difficulty) that he/she is mistaken;	- 3	

					- delusions: false beliefs, held with unshakeable conviction, which are not shared by other members of subject's social and cultural group and have been present continuously for at least 7 days	- 4	
					- never/almost never	- 0	
					 seldom (less than once/week) 	- 1	
Delusions / paranoid	THD		h	single-	 sometimes (up to 4 times a week) 	- 2	
thinking - Frequency	(V1,V2,V3,V4)	PBA-s	basdelfre	choice	 frequently (most days/5, 6 or 7 times a week) 	- 3	
					 daily/almost daily for most (or all) of day 	- 4	
					 symptom absent 	- 0	
					- questionable or trivial	- 1	
Delusions / paranoid thinking - Worst	THD (V1,V2,V3,V4)	PBA-s	basdelworst	single- choice	 overvalued ideas (not amounting to true delusions) are present for some part of the day but do not affect subject's behaviour 	- 2	

					- overvalued ideas are present for much of the day, and subject behaves as if these beliefs were true, although he/she can be persuaded (with difficulty) that he/she is mistaken;	- 3	
					 delusions: false beliefs, held with unshakeable conviction, which are not shared by other members of subject's social and cultural group and have been present continuously for at least 7 days 	- 4	
					- symptom absent	- 0	
					- questionable or trivial	- 1	
Hallucinations - Severity	THD (V1,V2,V3,V4)	PBA-s	bashall	single- choice	 subject reports experiencing hallucinations (when asked) but these do not appear to cause any distress or affect subject's behaviour 	- 2	
					 hallucinations which affect subject's behaviour (e.g. looking for source of hidden voices or putting cotton wool in ears) but do not 	- 3	

					appear to cause much distress			
					 subject is clearly distressed by hallucinations and preoccupied with them 	- 4		
Modality of hallucinations - auditory	THD (V1,V2,V3,V4)	PBA-s	bashallmod1	boolean	- no - yes	- 0 - 1		
Modality of hallucinations - visual	THD (V1,V2,V3,V4)	PBA-s	bashallmod2	boolean	- no - yes	- 0 - 1	_	
Modality of hallucinations - tactile	THD (V1,V2,V3,V4)	PBA-s	bashallmod3	boolean	- no - yes	- 0 - 1		
Modality of hallucinations - olfactory	THD (V1,V2,V3,V4)	PBA-s	bashallmod4	boolean	- no - yes	- 0 - 1		
Modality of hallucinations - gustatory	THD (V1,V2,V3,V4)	PBA-s	bashallmod5	boolean	- no - yes	- 0 - 1		
					 never/almost never seldom (less than once/week) 	- 0 - 1		
Frequency	THD (V1,V2,V3,V4)	PBA-s	bashallfre	single- choice	 sometimes (up to 4 times a week) 	- 2		
					 frequently (most days/5, 6 or 7 times a week) 	- 3		

					 daily/almost daily for most (or all) of day symptom absent questionable or trivial subject reports experiencing hallucinations (when asked) but these do not appear to cause any distress or affect subject's behaviour 	- 4 - 0 - 1 - 2	
Worst	THD (V2,V3,V4)	PBA-s	bashallworst	single- choice	 hallucinations which affect subject's behaviour (e.g. looking for source of hidden voices or putting cotton wool in ears) but do not appear to cause much distress 	- 3	
					 subject is clearly distressed by hallucinations and preoccupied with them 	- 4	
Modality of hallucinations - auditory	THD (V2,V3,V4)	PBA-s	bashallmodw1	boolean	- no	- 0	Available
Modality of	THD				- yes - no	- 0	upon SRC
hallucinations - visual	(V2,V3,V4)	PBA-s	bashallmodw2	boolean	- yes	- 1	approval
Modality of hallucinations - tactile	THD (V2,V3,V4)	PBA-s	bashallmodw3	boolean	- no - yes	- 0 - 1	

Modality of hallucinations - olfactory	THD (V2,V3,V4)	PBA-s	bashallmodw4	boolean	- no - yes	- 0 - 1	
Modality of hallucinations - gustatory	THD (V2,V3,V4)	PBA-s	bashallmodw5	boolean	- no - yes	- 0 - 1	
					 symptom absent questionable or trivial (e.g. subject gets day wrong ± one day, or fails to recognise people when meeting them out of their normal context) subject does not seem 	- 0	
Disoriented Behaviour - Severity	THD (V1,V2,V3,V4)	PBA-s	basorient	single- choice	to be fully aware of surroundings or the passage of time, but this does not cause significant practical problems	- 2	PDS
					- evidence of confusion at night (subject appears disoriented in time, place or person to an extent that causes practical problems for carers) but normal during daylight hours	- 3	

					- subject is confused and disoriented all the time, unaware of time of day/day of week/date and wrongly identifying surroundings or the people around him (e.g. mistakes nursing home for a prison and nursing staff as prison wardens) and consequently resists efforts of carers to look after him/her	- 4	
					 never/almost never seldom (less than once/week) 	- 0 - 1	
Disoriented Behaviour -	THD		haaa ria attaa	single-	 sometimes (up to 4 times a week) 	- 2	
Frequency	(V1,V2,V3,V4)	PBA-s	basorientfre	choice	 frequently (most days/5, 6 or 7 times a week) 	- 3	
					 daily/almost daily for most (or all) of day 	- 4	
					 symptom absent 	- 0	
Disoriented Behaviour - Worst	THD (V2,V3,V4)	PBA-s	basorientworst	single- choice	 questionable or trivial (e.g. subject gets day wrong ± day, or fails to recognise people when meeting them out of their normal context) 	- 1	

					- subject does not seem to be fully aware of surroundings or the passage of time, but this does not cause significant practical problems	- 2	
					 evidence of confusion at night (subject appears disoriented in time, place or person to an extent that causes practical problems for carers) but normal during daylight hours 	- 3	
					 subject is confused and disoriented all the time, unaware of time of day/day of week/date and wrongly identifying surroundings or the people around him (e.g. mistakes nursing home for a prison and nursing staff as prison wardens) and consequently resists efforts of carers to look 	- 4	
Comment	THD (V1,V2,V3,V4)	PBA-s	bascomment	text	after him/her		 Not Available
Is informant a relative?	THD (V1,V2,V3,V4)	PBA-s	basrelative	single- choice	 spouse or partner parent 	- 1 - 2	PDS

					- sibling	- 3	
					- child	- 4	
					- other relative	- 5	
					- friend or neighbour	- 6	
					 professional care worker 	- 7	
					- other	- 8	
					 no informant - subject came alone or is control subject 	- 9	
ls informant a household member?					 household member (i.e. relative or friend who lives with subject) 	- 1	
	THD	PBA-s	bashousehold	single-	 not a household member but has frequent contact with subject (most days) 	- 2	
	(V1,V2,V3,V4)			choice	 not a household member and sees subject less than three or four times a week 	- 3	
					- staff of residential care home or hospital	- 4	

5.3.19 Form "Physical Activities"

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Teens activity -	THD	Physical	rtoons	haalaan	- no	- 0		DDC
available	(V4);	Activities	rteens	boolean	- yes	- 1		PDS

	TON (V1)						
Teens activity - Vigorous activity - Daily - min	THD (V4); TON (V1)	Physical Activities	rtvdmin	number			
Teens activity - Vigorous activity - Weekly - frequency	THD (V4); TON (V1)	Physical Activities	rtvwfq	number			
Teens activity - Vigorous activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	rtvwmin	number			
Teens activity - Vigorous activity - Monthly - frequency	THD (V4); TON (V1)	Physical Activities	rtvmfq	number			
Teens activity - Vigorous activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	rtvmmin	number			
Teens activity - Vigorous activity - Never	THD (V4); TON (V1)	Physical Activities	rtvn1	boolean	- no - yes	- 0 - 1	
Teens activity - Moderate activity - Daily - min	THD (V4); TON (V1)	Physical Activities	rtmdmin	number			
Teens activity - Moderate activity	THD (V4);	Physical Activities	rtmwfq	number			

- Weekly - frequency	TON (V1)						
Teens activity - Moderate activity - Weekly - min	(V1) THD (V4); TON (V1)	Physical Activities	rtmwmin	number			
Teens activity - Moderate activity - Monthly - frequency	THD (V4); TON (V1)	Physical Activities	rtmmfq	number			
Teens activity - Moderate activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	rtmmmin	number			
Teens activity - Moderate activity - Never	THD (V4); TON (V1)	Physical Activities	rtmn1	boolean	- no - yes	- 0 - 1	
Teens activity - Light activity - Daily - min	THD (V4); TON (V1)	Physical Activities	rtldmin	number			
Teens activity - Light activity - Weekly - frequency	THD (V4); TON (V1)	Physical Activities	rtlwfq	number			
Teens activity - Light activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	rtlwmin	number			
Teens activity - Light activity -	THD (V4);	Physical Activities	rtlmfq	number			

Monthly - frequency	TON (V1)						
Teens activity - Light activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	rtlmmin	number			
Teens activity - Light activity - Never	THD (V4); TON (V1)	Physical Activities	rtln1	boolean	- no - yes	- 0 - 1	
Teens activity - Score	THD (V4); TON (V1)	Physical Activities	rtscore	number			
20s activity - available	THD (V4); TON (V1)	Physical Activities	rtwent	boolean	- no - yes	- 0 - 1	
20s activity - Vigorous activity - Daily - min	THD (V4); TON (V1)	Physical Activities	r2vdmin	number			
20s activity - Vigorous activity - Weekly - frequency	THD (V4); TON (V1)	Physical Activities	r2vwfq	number			
20s activity - Vigorous activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	r2vwmin	number			
20s activity - Vigorous activity -	THD (V4);	Physical Activities	r2vmfq	number			

Monthly - frequency	TON (V1)						
20s activity - Vigorous activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	r2vmmin	number			
20s activity - Vigorous activity - Never	THD (V4); TON (V1)	Physical Activities	r2vn1	boolean	- no - yes	- 0 - 1	
20s activity - Moderate activity - Daily - min	THD (V4); TON (V1)	Physical Activities	r2mdmin	number			
20s activity - Moderate activity - Weekly - frequency	THD (V4); TON (V1)	Physical Activities	r2mwfq	number			
20s activity - Moderate activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	r2mwmin	number			
20s activity - Moderate activity - Monthly - frequency	THD (V4); TON (V1)	Physical Activities	r2mmfq	number			
20s activity - Moderate activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	r2mmmin	number			
20s activity - Moderate activity - Never	THD (V4);	Physical Activities	r2mn1	boolean	- no - yes	- 0 - 1	

	TON						
	(V1)						
20s activity - Light activity - Daily - min	THD (V4); TON (V1)	Physical Activities	r2ldmin	number			
20s activity - Light activity - Weekly - frequency	THD (V4); TON (V1)	Physical Activities	r2lwfq	number			
20s activity - Light activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	r2lwmin	number			
20s activity - Light activity - Monthly - frequency	THD (V4); TON (V1)	Physical Activities	r2lmfq	number			
20s activity - Light activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	r2lmmin	number			
20c activity	THD				- no	- 0	
20s activity - Light activity - Never	(V4); TON (V1)	Physical Activities	r2ln1	boolean	- yes	- 1	
20s activity - Score	THD (V4); TON (V1)	Physical Activities	r2score	number			
30s activity - available	THD (V4);	Physical Activities	rthirty	boolean	- no - yes	- 0 - 1	

	TON (V1)						
30s activity - Vigorous activity - Daily - min	THD (V4); TON (V1)	Physical Activities	r3vdmin	number			
30s activity - Vigorous activity - Weekly - frequency	THD (V4); TON (V1)	Physical Activities	r3vwfq	number			
30s activity - Vigorous activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	r3vwmin	number			
30s activity - Vigorous activity - Monthly - frequency	THD (V4); TON (V1)	Physical Activities	r3vmfq	number			
30s activity - Vigorous activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	r3vmmin	number			
30s activity - Vigorous activity - Never	THD (V4); TON (V1)	Physical Activities	r3vn_1	boolean	- no - yes	- 0 - 1	
30s activity - Moderate activity - Daily - min	THD (V4); TON (V1)	Physical Activities	r3mdmin	number			
30s activity - Moderate activity	THD (V4);	Physical Activities	r3mwfq	number			

- Weekly - frequency	TON (V1)						
30s activity - Moderate activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	r3mwmin	number			
30s activity - Moderate activity - Monthly - frequency	THD (V4); TON (V1)	Physical Activities	r3mmfq	number			
30s activity - Moderate activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	r3mmmin	number			
30s activity - Moderate activity - Never	THD (V4); TON (V1)	Physical Activities	r3mn1	boolean	- no - γes	- 0 - 1	
30s activity - Light activity - Daily - min	THD (V4); TON (V1)	Physical Activities	r3ldmin	number			
30s activity - Light activity - Weekly - frequency	THD (V4); TON (V1)	Physical Activities	r3lwfq	number			
30s activity - Light activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	r3lwmin	number			
30s activity - Light activity -	THD (V4);	Physical Activities	r3lmfq	number			

Monthly - frequency	TON (V1)						
30s activity - Light activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	r3lmmin	number			
30s activity - Light activity - Never	THD (V4); TON (V1)	Physical Activities	r3ln1	boolean	- no - yes	- 0 - 1	
30s activity - Score	THD (V4); TON (V1)	Physical Activities	r3score	number			
40s activity - available	THD (V4); TON (V1)	Physical Activities	rfourty	boolean	- no - yes	- 0 - 1	
40s activity - Vigorous activity - Daily - min	THD (V4); TON (V1)	Physical Activities	r4vdmin	number			
40s activity - Vigorous activity - Weekly - frequency	THD (V4); TON (V1)	Physical Activities	r4vwfq	number			
40s activity - Vigorous activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	r4vwmin	number			
40s activity - Vigorous activity -	THD (V4);	Physical Activities	r4vmfq	number			

Monthly - frequency	TON (V1)						
40s activity - Vigorous activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	r4vmmin	number			
40s activity - Vigorous activity - Never	THD (V4); TON (V1)	Physical Activities	r4vn1	boolean	- no - yes	- 0 - 1	
40s activity - Moderate activity - Daily - min	THD (V4); TON (V1)	Physical Activities	r4mdmin	number			
40s activity - Moderate activity - Weekly - frequency	THD (V4); TON (V1)	Physical Activities	r4mwfq	number			
40s activity - Moderate activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	r4mwmin	number			
40s activity - Moderate activity - Monthly - frequency	THD (V4); TON (V1)	Physical Activities	r4mmfq	number			
40s activity - Moderate activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	r4mmmin	number			
40s activity - Moderate activity - Never	THD (V4);	Physical Activities	r4mn1	boolean	- no - yes	- 0 - 1	

	TON (V1)						
40s activity - Light activity - Daily - min	THD (V4); TON (V1)	Physical Activities	r4ldmin	number			
40s activity - Light activity - Weekly - frequency	THD (V4); TON (V1)	Physical Activities	r4lwfq	number			
40s activity - Light activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	r4lwmin	number			
40s activity - Light activity - Monthly - frequency	THD (V4); TON (V1)	Physical Activities	r4lmfq	number			
40s activity - Light activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	r4lmmin	number			
40s activity - Light activity - Never	THD (V4); TON (V1)	Physical Activities	r4ln1	boolean	- no - yes	- 0 - 1	
40s activity - Score	THD (V4); TON (V1)	Physical Activities	r4score	number			
50+s activity - available	THD (V4);	Physical Activities	rfifty	boolean	- no - yes	- 0 - 1	

	TON (V1)						
50s activity - Vigorous activity - Daily - min	THD (V4); TON (V1)	Physical Activities	r5vdmin	number			
50s activity - Vigorous activity - Weekly - frequency	THD (V4); TON (V1)	Physical Activities	r5vwfq	number			
50s activity - Vigorous activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	r5vwmin	number			
50s activity - Vigorous activity - Monthly - frequency	THD (V4); TON (V1)	Physical Activities	r5vmfq	number			
50s activity - Vigorous activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	r5vmmin	number			
50s activity - Vigorous activity - Never	THD (V4); TON (V1)	Physical Activities	r5vn1	boolean	- no - yes	- 0 - 1	
50s activity - Moderate activity - Daily - min	THD (V4); TON (V1)	Physical Activities	r5mdmin	number			
50s activity - Moderate activity	THD (V4);	Physical Activities	r5mwfq	number			

- Weekly - frequency	TON (V1)						
50s activity - Moderate activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	r5mwmin	number			
50s activity - Moderate activity - Monthly - frequency	THD (V4); TON (V1)	Physical Activities	r5mmfq	number			
50s activity - Moderate activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	r5mmmin	number			
50s activity - Moderate activity - Never	THD (V4); TON (V1)	Physical Activities	r5mn1	boolean	- no - γes	- 0 - 1	
50s activity - Light activity - Daily - min	THD (V4); TON (V1)	Physical Activities	r5ldmin	number			
50s activity - Light activity - Weekly - frequency	THD (V4); TON (V1)	Physical Activities	r5lwfq	number			
50s activity - Light activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	r5lwmin	number			
50s activity - Light activity -	THD (V4);	Physical Activities	r5lmfq	number			

Monthly - frequency	TON (V1)						
50s activity - Light activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	r5lmmin	number			
50s activity - Light activity - Never	THD (V4); TON (V1)	Physical Activities	r5ln1	boolean	- no - yes	- 0 - 1	
50s activity - Score	THD (V4); TON (V1)	Physical Activities	r5score	number			
Teens activity - available	THD (V4); TON (V1)	Physical Activities	wteens	boolean	- no - yes	- 0 - 1	
Teens activity - Vigorous activity - Daily - min	THD (V4); TON (V1)	Physical Activities	wtvdmin	number			
Teens activity - Vigorous activity - Weekly - frequency	THD (V4); TON (V1)	Physical Activities	wtvwfq	number			
Teens activity - Vigorous activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	wtvwmin	number			
Teens activity - Vigorous activity -	THD (V4);	Physical Activities	wtvmfq	number			

Monthly - frequency	TON (V1)						
Teens activity - Vigorous activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	wtvmmin	number			
Teens activity - Vigorous activity - Never	THD (V4); TON (V1)	Physical Activities	wtvn1	boolean	- no - yes	- 0 - 1	
Teens activity - Moderate activity - Daily - min	THD (V4); TON (V1)	Physical Activities	wtmdmin	number			
Teens activity - Moderate activity - Weekly - frequency	THD (V4); TON (V1)	Physical Activities	wtmwfq	number			
Teens activity - Moderate activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	wtmwmin	number			
Teens activity - Moderate activity - Monthly - frequency	THD (V4); TON (V1)	Physical Activities	wtmmfq	number			
Teens activity - Moderate activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	wtmmmin	number			
Teens activity - Moderate activity - Never	THD (V4);	Physical Activities	wtmn1	boolean	- no - yes	- 0 - 1	

	TON (V1)						
Teens activity - Light activity - Daily - min	THD (V4); TON (V1)	Physical Activities	wtldmin	number			
Teens activity - Light activity - Weekly - frequency	THD (V4); TON (V1)	Physical Activities	wtlwfq	number			
Teens activity - Light activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	wtlwmin	number			
Teens activity - Light activity - Monthly - frequency	THD (V4); TON (V1)	Physical Activities	wtlmfq	number			
Teens activity - Light activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	wtlmmin	number			
Teens activity - Light activity - Never	THD (V4); TON (V1)	Physical Activities	wtln1	boolean	- no - yes	- 0 - 1	
Teens activity - Score	THD (V4); TON (V1)	Physical Activities	wtscore	number			
20s activity - available	THD (V4);	Physical Activities	wtwent	boolean	- no - yes	- 0 - 1	

	TON (V1)						
20s activity - Vigorous activity - Daily - min	(V1) THD (V4); TON (V1)	Physical Activities	w2vdmin	number			
20s activity - Vigorous activity - Weekly - frequency	THD (V4); TON (V1)	Physical Activities	w2vwfq	number			
20s activity - Vigorous activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	w2vwmin	number			
20s activity - Vigorous activity - Monthly - frequency	THD (V4); TON (V1)	Physical Activities	w2vmfq	number			
20s activity - Vigorous activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	w2vmmin	number			
20s activity - Vigorous activity - Never	THD (V4); TON (V1)	Physical Activities	w2vn1	boolean	- no - yes	- 0 - 1	
20s activity - Moderate activity - Daily - min	THD (V4); TON (V1)	Physical Activities	w2mdmin	number			
20s activity - Moderate activity	THD (V4);	Physical Activities	w2mwfq	number			

- Weekly - frequency	TON (V1)						
20s activity - Moderate activity - Weekly - min	(V4); TON (V1)	Physical Activities	w2mwmin	number			
20s activity - Moderate activity - Monthly - frequency	THD (V4); TON (V1)	Physical Activities	w2mmfq	number			
20s activity - Moderate activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	w2mmmin	number			
20s activity - Moderate activity - Never	THD (V4); TON (V1)	Physical Activities	w2mn1	boolean	- no - yes	- 0 - 1	
20s activity - Light activity - Daily - min	THD (V4); TON (V1)	Physical Activities	w2ldmin	number			
20s activity - Light activity - Weekly - frequency	THD (V4); TON (V1)	Physical Activities	w2lwfq	number			
20s activity - Light activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	w2lwmin	number			
20s activity - Light activity -	THD (V4);	Physical Activities	w2lmfq	number			

Monthly - frequency	TON (V1)						
20s activity - Light activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	w2lmmin	number			
20s activity - Light activity - Never	THD (V4); TON (V1)	Physical Activities	w2ln1	boolean	- no - yes	- 0 - 1	
20s activity - Score	THD (V4); TON (V1)	Physical Activities	w2score	number			
30s activity - available	THD (V4); TON (V1)	Physical Activities	wthirty	boolean	- no - yes	- 0 - 1	
30s activity - Vigorous activity - Daily - min	THD (V4); TON (V1)	Physical Activities	w3vdmin	number			
30s activity - Vigorous activity - Weekly - frequency	THD (V4); TON (V1)	Physical Activities	w3vwfq	number			
30s activity - Vigorous activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	w3vwmin	number			
30s activity - Vigorous activity -	THD (V4);	Physical Activities	w3vmfq	number			

Monthly - frequency	TON (V1)						
30s activity - Vigorous activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	w3vmmin	number			
30s activity - Vigorous activity - Never	THD (V4); TON (V1)	Physical Activities	w3vn1	boolean	- no - yes	- 0 - 1	
30s activity - Moderate activity - Daily - min	THD (V4); TON (V1)	Physical Activities	w3mdmin	number			
30s activity - Moderate activity - Weekly - frequency	THD (V4); TON (V1)	Physical Activities	w3mwfq	number			
30s activity - Moderate activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	w3mwmin	number			
30s activity - Moderate activity - Monthly - frequency	THD (V4); TON (V1)	Physical Activities	w3mmfq	number			
30s activity - Moderate activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	w3mmmin	number			
30s activity - Moderate activity - Never	THD (V4);	Physical Activities	w3mn1	boolean	- no - yes	- 0 - 1	

	TON						
30s activity - Light activity - Daily - min	(V1) THD (V4); TON (V1)	Physical Activities	w3ldmin	number			
30s activity - Light activity - Weekly - frequency	THD (V4); TON (V1)	Physical Activities	w3lwfq	number			
30s activity - Light activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	w3lwmin	number			
30s activity - Light activity - Monthly - frequency	THD (V4); TON (V1)	Physical Activities	w3lmfq	number			
30s activity - Light activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	w3lmmin	number			
30s activity - Light activity - Never	THD (V4); TON (V1)	Physical Activities	w3ln1	boolean	- no - yes	- 0 - 1	
30s activity - Score	THD (V4); TON (V1)	Physical Activities	w3score	number			
40s activity - available	THD (V4);	Physical Activities	wfourty	boolean	- no - yes	- 0 - 1	

	TON (V1)						
40s activity - Vigorous activity - Daily - min	(V1) THD (V4); TON (V1)	Physical Activities	w4vdmin	number			
40s activity - Vigorous activity - Weekly - frequency	THD (V4); TON (V1)	Physical Activities	w4vwfq	number			
40s activity - Vigorous activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	w4vwmin	number			
40s activity - Vigorous activity - Monthly - frequency	THD (V4); TON (V1)	Physical Activities	w4vmfq	number			
40s activity - Vigorous activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	w4vmmin	number			
40s activity - Vigorous activity - Never	THD (V4); TON (V1)	Physical Activities	w4vn1	boolean	- no - yes	- 0 - 1	
40s activity - Moderate activity - Daily - min	THD (V4); TON (V1)	Physical Activities	w4mdmin	number			
40s activity - Moderate activity	THD (V4);	Physical Activities	w4mwfq	number			

- Weekly - frequency	TON (V1)						
40s activity - Moderate activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	w4mwmin	number			
40s activity - Moderate activity - Monthly - frequency	THD (V4); TON (V1)	Physical Activities	w4mmfq	number			
40s activity - Moderate activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	w4mmmin	number			
40s activity - Moderate activity - Never	THD (V4); TON (V1)	Physical Activities	w4mn1	boolean	- no - yes	- 0 - 1	
40s activity - Light activity - Daily - min	THD (V4); TON (V1)	Physical Activities	w4ldmin	number			
40s activity - Light activity - Weekly - frequency	THD (V4); TON (V1)	Physical Activities	w4lwfq	number			
40s activity - Light activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	w4lwmin	number			
40s activity - Light activity -	THD (V4);	Physical Activities	w4lmfq	number			

Monthly - frequency	TON (V1)						
40s activity - Light activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	w4lmmin	number			
40s activity - Light activity - Never	THD (V4); TON (V1)	Physical Activities	w4ln1	boolean	- no - yes	- 0 - 1	
40s activity - Score	THD (V4); TON (V1)	Physical Activities	w4score	number			
50+s activity - available	THD (V4); TON (V1)	Physical Activities	wfifty	boolean	- no - yes	- 0 - 1	
50s activity - Vigorous activity - Daily - min	THD (V4); TON (V1)	Physical Activities	w5vdmin	number			
50s activity - Vigorous activity - Weekly - frequency	THD (V4); TON (V1)	Physical Activities	w5vwfq	number			
50s activity - Vigorous activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	w5vwmin	number			
50s activity - Vigorous activity -	THD (V4);	Physical Activities	w5vmfq	number			

Monthly - frequency	TON (V1)						
50s activity - Vigorous activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	w5vmmin	number			
50s activity - Vigorous activity - Never	THD (V4); TON (V1)	Physical Activities	w5vn1	boolean	- no - yes	- 0 - 1	
50s activity - Moderate activity - Daily - min	THD (V4); TON (V1)	Physical Activities	w5mdmin	number			
50s activity - Moderate activity - Weekly - frequency	THD (V4); TON (V1)	Physical Activities	w5mwfq	number			
50s activity - Moderate activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	w5mwmin	number			
50s activity - Moderate activity - Monthly - frequency	THD (V4); TON (V1)	Physical Activities	w5mmfq	number			
50s activity - Moderate activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	w5mmmin	number			
50s activity - Moderate activity - Never	THD (V4);	Physical Activities	w5mn1	boolean	- no - yes	- 0 - 1	

	TON (V1)						
50s activity - Light activity - Daily - min	THD (V4); TON (V1)	Physical Activities	w5ldmin	number			
50s activity - Light activity - Weekly - frequency	THD (V4); TON (V1)	Physical Activities	w5lwfq	number			
50s activity - Light activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	w5lwmin	number			
50s activity - Light activity - Monthly - frequency	THD (V4); TON (V1)	Physical Activities	w5lmfq	number			
50s activity - Light activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	w5lmmin	number			
50s activity - Light activity - Never	THD (V4); TON (V1)	Physical Activities	w5ln1	boolean	- no - yes	- 0 - 1	
50s activity - Score	THD (V4); TON (V1)	Physical Activities	w5score	number			
Teens activity - available	THD (V4);	Physical Activities	hteens	boolean	- no - yes	- 0 - 1	

	TON (V1)						
Teens activity - Vigorous activity - Daily - min	THD (V4); TON (V1)	Physical Activities	htvdmin	number			
Teens activity - Vigorous activity - Weekly - frequency	THD (V4); TON (V1)	Physical Activities	htvwfq	number			
Teens activity - Vigorous activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	htvwmin	number			
Teens activity - Vigorous activity - Monthly - frequency	THD (V4); TON (V1)	Physical Activities	htvmfq	number			
Teens activity - Vigorous activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	htvmmin	number			
Teens activity - Vigorous activity - Never	THD (V4); TON (V1)	Physical Activities	htvn1	boolean	- no - yes	- 0 - 1	
Teens activity - Moderate activity - Daily - min	THD (V4); TON (V1)	Physical Activities	htmdmin	number			
Teens activity - Moderate activity	THD (V4);	Physical Activities	htmwfq	number			

- Weekly - frequency	TON (V1)						
Teens activity - Moderate activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	htmwmin	number			
Teens activity - Moderate activity - Monthly - frequency	THD (V4); TON (V1)	Physical Activities	htmmfq	number			
Teens activity - Moderate activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	htmmmin	number			
Teens activity - Moderate activity - Never	THD (V4); TON (V1)	Physical Activities	htmn1	boolean	- no - yes	- 0 - 1	
Teens activity - Light activity - Daily - min	THD (V4); TON (V1)	Physical Activities	htldmin	number			
Teens activity - Light activity - Weekly - frequency	THD (V4); TON (V1)	Physical Activities	htlwfq	number			
Teens activity - Light activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	htlwmin	number			
Teens activity - Light activity -	THD (V4);	Physical Activities	htlmfq	number			

Monthly - frequency	TON (V1)						
Teens activity - Light activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	htlmmin	number			
Teens activity - Light activity - Never	THD (V4); TON (V1)	Physical Activities	htln1	boolean	- no - yes	- 0 - 1	
Teens activity - Score	THD (V4); TON (V1)	Physical Activities	htscore	number			
20s activity - available	THD (V4); TON (V1)	Physical Activities	htwent	boolean	- no - yes	- 0 - 1	
20s activity - Vigorous activity - Daily - min	THD (V4); TON (V1)	Physical Activities	h2vdmin	number			
20s activity - Vigorous activity - Weekly - frequency	THD (V4); TON (V1)	Physical Activities	h2vwfq	number			
20s activity - Vigorous activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	h2vwmin	number			
20s activity - Vigorous activity -	THD (V4);	Physical Activities	h2vmfq	number			

Monthly - frequency	TON (V1)						
20s activity - Vigorous activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	h2vmmin	number			
20s activity - Vigorous activity - Never	THD (V4); TON (V1)	Physical Activities	h2vn1	boolean	- no - yes	- 0 - 1	
20s activity - Moderate activity - Daily - min	THD (V4); TON (V1)	Physical Activities	h2mdmin	number			
20s activity - Moderate activity - Weekly - frequency	THD (V4); TON (V1)	Physical Activities	h2mwfq	number			
20s activity - Moderate activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	h2mwmin	number			
20s activity - Moderate activity - Monthly - frequency	THD (V4); TON (V1)	Physical Activities	h2mmfq	number			
20s activity - Moderate activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	h2mmmin	number			
20s activity - Moderate activity - Never	THD (V4);	Physical Activities	h2mn1	boolean	- no - yes	- 0 - 1	

	TON						
	(V1)						
20s activity - Light activity - Daily - min	THD (V4); TON (V1)	Physical Activities	h2ldmin	number			
20s activity - Light activity - Weekly - frequency	THD (V4); TON (V1)	Physical Activities	h2lwfq	number			
20s activity - Light activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	h2lwmin	number			
20s activity - Light activity - Monthly - frequency	THD (V4); TON (V1)	Physical Activities	h2lmfq	number			
20s activity - Light activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	h2lmmin	number			
20s activity - Light activity - Never	THD (V4); TON (V1)	Physical Activities	h2ln1	boolean	- no - yes	- 0 - 1	
20s activity - Score	THD (V4); TON (V1)	Physical Activities	h2score	number			
30s activity - available	THD (V4);	Physical Activities	hthirty	boolean	- no - yes	- 0 - 1	

	TON (V1)						
30s activity - Vigorous activity - Daily - min	THD (V4); TON (V1)	Physical Activities	h3vdmin	number			
30s activity - Vigorous activity - Weekly - frequency	THD (V4); TON (V1)	Physical Activities	h3vwfq	number			
30s activity - Vigorous activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	h3vwmin	number			
30s activity - Vigorous activity - Monthly - frequency	THD (V4); TON (V1)	Physical Activities	h3vmfq	number			
30s activity - Vigorous activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	h3vmmin	number			
30s activity - Vigorous activity - Never	THD (V4); TON (V1)	Physical Activities	h3vn1	boolean	- no - yes	- 0 - 1	
30s activity - Moderate activity - Daily - min	THD (V4); TON (V1)	Physical Activities	h3mdmin	number			
30s activity - Moderate activity	THD (V4);	Physical Activities	h3mwfq	number			

- Weekly - frequency	TON (V1)						
30s activity - Moderate activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	h3mwmin	number			
30s activity - Moderate activity - Monthly - frequency	THD (V4); TON (V1)	Physical Activities	h3mmfq	number			
30s activity - Moderate activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	h3mmmin	number			
30s activity - Moderate activity - Never	THD (V4); TON (V1)	Physical Activities	h3mn1	boolean	- no - yes	- 0 - 1	
30s activity - Light activity - Daily - min	THD (V4); TON (V1)	Physical Activities	h3ldmin	number			
30s activity - Light activity - Weekly - frequency	THD (V4); TON (V1)	Physical Activities	h3lwfq	number			
30s activity - Light activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	h3lwmin	number			
30s activity - Light activity -	THD (V4);	Physical Activities	h3lmfq	number			

Monthly - frequency	TON (V1)						
30s activity - Light activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	h3lmmin	number			
30s activity - Light activity - Never	THD (V4); TON (V1)	Physical Activities	h3ln1	boolean	- no - yes	- 0 - 1	
30s activity - Score	THD (V4); TON (V1)	Physical Activities	h3score	number			
40s activity - available	THD (V4); TON (V1)	Physical Activities	hfourty	boolean	- no - yes	- 0 - 1	
40s activity - Vigorous activity - Daily - min	THD (V4); TON (V1)	Physical Activities	h4vdmin	number			
40s activity - Vigorous activity - Weekly - frequency	THD (V4); TON (V1)	Physical Activities	h4vwfq	number			
40s activity - Vigorous activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	h4vwmin	number			
40s activity - Vigorous activity -	THD (V4);	Physical Activities	h4vmfq	number			

Monthly - frequency	TON (V1)						
40s activity - Vigorous activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	h4vmmin	number			
40s activity - Vigorous activity - Never	THD (V4); TON (V1)	Physical Activities	h4vn1	boolean	- no - yes	- 0 - 1	
40s activity - Moderate activity - Daily - min	THD (V4); TON (V1)	Physical Activities	h4mdmin	number			
40s activity - Moderate activity - Weekly - frequency	THD (V4); TON (V1)	Physical Activities	h4mwfq	number			
40s activity - Moderate activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	h4mwmin	number			
40s activity - Moderate activity - Monthly - frequency	THD (V4); TON (V1)	Physical Activities	h4mmfq	number			
40s activity - Moderate activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	h4mmmin	number			
40s activity - Moderate activity - Never	THD (V4);	Physical Activities	h4mn1	boolean	- no - yes	- 0 - 1	

	TON						
40s activity - Light activity - Daily - min	(V1) THD (V4); TON (V1)	Physical Activities	h4ldmin	number			
40s activity - Light activity - Weekly - frequency	(V4); (V4); TON (V1)	Physical Activities	h4lwfq	number			
40s activity - Light activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	h4lwmin	number			
40s activity - Light activity - Monthly - frequency	THD (V4); TON (V1)	Physical Activities	h4lmfq	number			
40s activity - Light activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	h4lmmin	number			
40s activity - Light activity - Never	THD (V4); TON (V1)	Physical Activities	h4ln1	boolean	- no - yes	- 0 - 1	
40s activity - Score	THD (V4); TON (V1)	Physical Activities	h4score	number			
50+s activity - available	THD (V4);	Physical Activities	hfifty	boolean	- no - yes	- 0 - 1	

	TON (V1)						
50s activity - Vigorous activity - Daily - min	THD (V4); TON (V1)	Physical Activities	h5vdmin	number			
50s activity - Vigorous activity - Weekly - frequency	THD (V4); TON (V1)	Physical Activities	h5vwfq	number			
50s activity - Vigorous activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	h5vwmin	number			
50s activity - Vigorous activity - Monthly - frequency	THD (V4); TON (V1)	Physical Activities	h5vmfq	number			
50s activity - Vigorous activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	h5vmmin	number			
50s activity - Vigorous activity - Never	THD (V4); TON (V1)	Physical Activities	h5vn1	boolean	- no - yes	- 0 - 1	
50s activity - Moderate activity - Daily - min	THD (V4); TON (V1)	Physical Activities	h5mdmin	number			
50s activity - Moderate activity	THD (V4);	Physical Activities	h5mwfq	number			

- Weekly - frequency	TON (V1)						
50s activity - Moderate activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	h5mwmin	number			
50s activity - Moderate activity - Monthly - frequency	THD (V4); TON (V1)	Physical Activities	h5mmfq	number			
50s activity - Moderate activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	h5mmmin	number			
50s activity - Moderate activity - Never	THD (V4); TON (V1)	Physical Activities	h5mn1	boolean	- no - yes	- 0	
50s activity - Light activity - Daily - min	THD (V4); TON (V1)	Physical Activities	h5ldmin	number			
50s activity - Light activity - Weekly - frequency	THD (V4); TON (V1)	Physical Activities	h5lwfq	number			
50s activity - Light activity - Weekly - min	THD (V4); TON (V1)	Physical Activities	h5lwmin	number			
50s activity - Light activity -	THD (V4);	Physical Activities	h5lmfq	number			

Monthly - frequency	TON (V1)						
50s activity - Light activity - Monthly - min	THD (V4); TON (V1)	Physical Activities	h5lmmin	number			
50s activity - Light activity - Never	THD (V4); TON (V1)	Physical Activities	h5ln1	boolean	- no - yes	- 0 - 1	
50s activity - Score	THD (V4); TON (V1)	Physical Activities	h5score	number			

5.3.20 Form "Pittsburgh Sleep Quality Index (PSQI)"

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability
When have you usually gone to bed at night? Usual bed time:	THD (V3,V4)	PSQI	bedtimeh	number			h	
When have you usually gone to bed at night? Usual bed time: - :	THD (V3,V4)	PSQI	bedtime min	number			min	PDS
How long (in minutes) has it usually take you	THD (V3,V4)	PSQI	fallasleep	number				

to fall asleep each night?							
When have you usually gotten up in the morning? Usual getting up time:	THD (V3,V4)	PSQI	getuph	number			
When have you usually gotten up in the morning? Usual getting up time: - :	THD (V3,V4)	PSQI	getupmin	number			
How many hours of actual sleep did you get at night?	THD (V3,V4)	PSQI	sleepnight	number			
Cannot get to					 not during the past month 	- 0	
sleep within 30	THD	PSQI	sleep30	single-	 less than once a week 	- 1	
minutes	(V3,V4)	130	sicepso	choice	 once or twice a week 	- 2	
					- three or more times a week	- 3	
Wake up in the					 not during the past month 	- 0	
middle of the	THD	PSQI	wakeup	single-	 less than once a week 	- 1	
night or early	(V3,V4)	1 301	Wakeup	choice	 once or twice a week 	- 2	
morning					- three or more times a week	- 3	
11					 not during the past month 	- 0	
Have to get up to use the	THD	PSQI	bathroom	single-	- less than once a week	- 1	
bathroom	(V3,V4)	PSQI	Datiiooiii	choice	- once or twice a week	- 2	
Sachroom					- three or more times a week	- 3	
	TUD				- not during the past month	- 0	
Cannot breathe comfortably	THD (V3,V4)	PSQI	breathe	single- choice	- less than once a week	- 1	
connortably	(\$3,84)			CHOICE	- once or twice a week	- 2	

					- three or more times a week	- 3		
					- not during the past month	- 0		
Cough or snore	THD	DCOL		single-	- less than once a week	- 1		
loudly	(V3,V4)	PSQI	cough	choice	- once or twice a week	- 2		
					- three or more times a week	- 3		
					- not during the past month	- 0		
	THD	DCOL		single-	- less than once a week	- 1		
Feel too cold	(V3,V4)	PSQI	cold	choice	- once or twice a week	- 2		
					- three or more times a week	- 3		
					- not during the past month	- 0		
E. J h	THD	DCOL		single-	- less than once a week	- 1		
Feel too hot	(V3,V4)	PSQI	hot	choice	- once or twice a week	- 2		
					- three or more times a week	- 3		
					- not during the past month	- 0		
	THD	DCOL	1	single-	- less than once a week	- 1		
Had bad dreams	(V3,V4)	PSQI	dreams	choice	- once or twice a week	- 2		
					- three or more times a week	- 3		
					- not during the past month	- 0		
	THD	DCOL		single-	- less than once a week	- 1		
Have pain	(V3,V4)	PSQI	pain_psqi	choice	- once or twice a week	- 2		
					- three or more times a week	- 3		
O th α_{μ} respective (α)	THD		a th a rh	heeleen	- no	- 0		
Other reason(s)	(V3,V4)	PSQI	otherb	boolean	- yes	- 1		
Please describe	THD (V3,V4)	PSQI	other_psqi	text				Not Available
					- not during the past month	- 0		
During past	THD		otherrea	single-	- less than once a week	- 1		PDS
month?	(V3,V4)	PSQI	otherrea	choice	- once or twice a week	- 2]	PD5
		····,			- three or more times a week	- 3	1	

During the past month, how would you rate your sleep quality overall?	THD (V3,V4)	PSQI	sleepquality	single- choice	 very good fairly good fairly bad very bad 	- 0 - 1 - 2 - 3	
How often have you taken medicine (prescribe or "over the counter") to help you sleep?	THD (V3,V4)	PSQI	medicine	single- choice	 not during the past month less than once a week once or twice a week three or more times a week 	- 0 - 1 - 2 - 3	
How often have you had trouble staying awake while driving, eating meals, or engaging in social activity?	THD (V3,V4)	PSQI	trouble	single- choice	 not during the past month less than once a week once or twice a week three or more times a week 	- 0 - 1 - 2 - 3	
During the past month, how much of a problem has it been for you to keep up enough enthusiasm to get things done?	THD (V3,V4)	PSQI	enthusiasm	single- choice	 no problem at all only a very slight problem somewhat of a problem a very big problem 	- 0 - 1 - 2 - 3	
Sleep behaviour: Do you have a bed partner or roommate?	THD (V3,V4)	PSQI	roommate	single- choice	 no bed partner or roommate partner / roommate in other room partner in same room, but not same bed 	- 1 - 2 - 3	

					- partner in same bed	- 4		
					- not during the past month	- 0		
	THD	DCOL		single-	- less than once a week	- 1		
Loud snoring	(V3,V4)	PSQI	snoring	choice	- once or twice a week	- 2		
					- three or more times a week	- 3		
					- not during the past month	- 0		
Long pauses between breaths	THD		nousos	single-	- less than once a week	- 1]	
while asleep	(V3,V4)	PSQI	pauses	choice	- once or twice a week	- 2]	
while asieep					- three or more times a week	- 3		
					 not during the past month 	- 0		
Legs twitching or	THD	PSQI	logo	single-	- less than once a week	- 1		
jerking while you sleep	(V3,V4)	PSQI	legs	choice	- once or twice a week	- 2		
Sicep	۳				- three or more times a week	- 3		
Episodes of					 not during the past month 	- 0		
disorientation or	THD	PSQI	confusion	single-	- less than once a week	- 1		
confusion during	(V3,V4)	PSQI	CONTRISION	choice	- once or twice a week	- 2		
sleep					- three or more times a week	- 3		
Other	THD				- no	- 0		
restlessness while you sleep?	(V3,V4)	PSQI	otherrestlessb	boolean	- yes	- 1		
Please describe	THD (V3,V4)	PSQI	otherrestless	text				Not Available
					- not during the past month	- 0		
During past	THD		otherrest	single-	- less than once a week	- 1]	
01	(V3,V4)	PSQI	otherrest	choice	- once or twice a week	- 2		PDS
					- three or more times a week	- 3		105
Global PSQI Score	THD (V3,V4)	PSQI	psqiscore	number				

1. Subjective sleep quality	THD (V3,V4)	PSQI	subsleepquality	number		
2. Sleep latency	THD (V3,V4)	PSQI	sleeplatency	number		
3. Sleep duration	THD (V3,V4)	PSQI	sleepduration	number		
4. Habitual sleep efficiency	THD (V3,V4)	PSQI	sleepefficiency	number		
5. Sleep disturbances	THD (V3,V4)	PSQI	sleepdisturbances	number		
6. Use of sleeping medication	THD (V3,V4)	PSQI	sleepmedication	number		
7. Daytime dysfunction	THD (V3,V4)	PSQI	daytimedys	number		

5.3.21 Form "QMotor"

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Distance (Mean)	TON (V1,V2,V3)	QMotor	fps_dis_eo_ mnx	number				
Surface (Mean)	TON (V1,V2,V3)	QMotor	fps_sur_eo_ mnx	number				
Velocity (Mean)	TON (V1,V2,V3)	QMotor	fps_vel_eo_ mnx	number				PDS
Grip Force-Force variablity - STDEV/ MEAN*100 (Coefficient of Variation)	TON (V1,V2,V3)	QMotor	lhx_gf_lx_cvf	number				103

Grip Force-Force variablity - STDEV/ MEAN*100 (Coefficient of Variation)	TON (V1,V2,V3)	QMotor	lhx_gf_rx_ cvf	number		
Orientation Index - Mean of sum of velocity of orientation changes during static phase (Mean)	TON (V1,V2,V3)	QMotor	lhx_ori_lx_ mnx	number		
Orientation Index - Mean of sum of velocity of orientation changes during static phase (Mean)	TON (V1,V2,V3)	QMotor	lhx_ori_rx_ mnx	number		
Position Index - Mean of sum of velocity of position changes during static phase (Mean)	TON (V1,V2,V3)	QMotor	lhx_pos_lx_ mnx	number		
Position Index - Mean of sum of velocity of position changes during static phase (Mean)	TON (V1,V2,V3)	QMotor	lhx_pos_rx_ mnx	number		

Grip Force-Force variablity - STDEV/ MEAN*100 (Coefficient of Variation)	TON (V1,V2)	QMotor	llx_gf_lx_ cvf	number		
Grip Force-Force variablity - STDEV/ MEAN*100 (Coefficient of Variation)	TON (V1,V2)	QMotor	llx_gf_rx_ cvf	number		
Orientation Index - Mean of sum of velocity of orientation changes during static phase (Mean)	TON (V1,V2)	QMotor	llx_ori_lx_ mnx	number		
Orientation Index - Mean of sum of velocity of orientation changes during static phase (Mean)	TON (V1,V2)	QMotor	llx_ori_rx_ mnx	number		
Position Index - Mean of sum of velocity of position changes during static phase (Mean)	TON (V1,V2)	QMotor	llx_pos_lx_ mnx	number		

Position Index - Mean of sum of velocity of position changes during static phase (Mean)	TON (V1,V2)	QMotor	llx_pos_rx_ mnx	number			
Qmotor Analysis File	TON (V1,V2,V3)	QMotor	qmotorcsv	text			
Qmotor Analyse File successfully uploaded and imported:	TON (V1,V2,V3)	QMotor	qmotorcsvsuccess	boolean	- no - yes	- 0 - 1	Not Available
Last Qmotor analysis variables import report	TON (V1,V2,V3)	QMotor	qmotor_import_ report	text			
Contact Time	TON (V1,V2)	QMotor	t50_ct_na_ pct	number			
Force Variability (Coefficient of Variation)	TON (V1,V2)	QMotor	t50_fv_na_ cvf	number			
Inter Onset Interval (Mean)	TON (V1,V2,V3)	QMotor	tsf_ioi_lx_ mnx	number			
Inter Onset Interval (Standard Deviation)	TON (V1,V2,V3)	QMotor	tsf_ioi_lx_ std	number			PDS
Inter Onset Interval (Mean)	TON (V1,V2,V3)	QMotor	tsf_ioi_rx_ mnx	number			
Inter Onset Interval (Standard Deviation)	TON (V1,V2,V3)	QMotor	tsf_ioi_rx_std	number			

Inter Tap Interval (Mean)	TON (V1,V2,V3)	QMotor	tsf_iti_lx_ mnx	number			
Inter Tap Interval (Standard Deviation)	TON (V1,V2,V3)	QMotor	tsf_iti_lx_ std	number			
Inter Tap Interval (Mean)	TON (V1,V2,V3)	QMotor	tsf_iti_rx_ mnx	number			
Inter Tap Interval (Standard Deviation)	TON (V1,V2,V3)	QMotor	tsf_iti_rx_ std	number			
Tap Duration (Mean)	TON (V1,V2,V3)	QMotor	tsf_td_lx_ mnx	number		S	
Tap Duration (Standard Deviation)	TON (V1,V2,V3)	QMotor	tsf_td_lx_ std	number		S	
Tap Duration (Mean)	TON (V1,V2,V3)	QMotor	tsf_td_rx_ mnx	number		S	
Tap Duration (Standard Deviation)	TON (V1,V2,V3)	QMotor	tsf_td_rx_ std	number		S	
Inter Onset Interval (Mean)	TON (V1,V2,V3)	QMotor	tsx_ioi_lx_ mnx	number			
Inter Onset Interval (Standard Deviation)	TON (V1,V2,V3)	QMotor	tsx_ioi_lx_ std	number			
Inter Onset Interval (Mean)	TON (V1,V2,V3)	QMotor	tsx_ioi_rx_ mnx	number			
Inter Onset Interval	TON (V1,V2,V3)	QMotor	tsx_ioi_rx_ std	number			

(Standard Deviation)							
Inter Tap Interval (Mean)	TON (V1,V2,V3)	QMotor	tsx_iti_lx_ mnx	number			
Inter Tap Interval (Standard Deviation)	TON (V1,V2,V3)	QMotor	tsx_iti_lx_ std	number			
Inter Tap Interval (Mean)	TON (V1,V2,V3)	QMotor	tsx_iti_rx_ mnx	number			
Inter Tap Interval (Standard Deviation)	TON (V1,V2,V3)	QMotor	tsx_iti_rx_ std	number			
Tap Duration (Mean)	TON (V1,V2,V3)	QMotor	tsx_td_lx_ mnx	number		S	
Tap Duration (Standard Deviation)	TON (V1,V2,V3)	QMotor	tsx_td_lx_ std	number		S	
Tap Duration (Mean)	TON (V1,V2,V3)	QMotor	tsx_td_rx_ mnx	number		s	
Tap Duration (Standard Deviation)	TON (V1,V2,V3)	QMotor	tsx_td_rx_ std	number		S	
Force Transducer Tasks	THD (V1,V2,V3,V4); TON (V1,V2,V3)	QMotor	file	text			Not
Force Plate Tasks	THD (V2,V3,V4); TON (V1,V2,V3)	QMotor	fpfile	text			Available

GAITRite	THD (V1,V2)	QMotor	gaitfile	text				Not Available
95 Tap	THD (V3,V4); TON (V1,V2)	QMotor	stap2_trial6_ errors	number				
95 Tap	THD (V3,V4); TON (V1,V2)	QMotor	stap2_trial6_ subtract	number				
96 Tap	THD (V3,V4); TON (V1,V2)	QMotor	stap2_trial5_ errors	number				
96 Tap	THD (V3,V4); TON (V1,V2)	QMotor	stap2_trial5_ subtract	number				
97 Tap	THD (V3,V4); TON (V1,V2)	QMotor	stap2_trial4_ errors	number				
97 Tap	THD (V3,V4); TON (V1,V2)	QMotor	stap2_trial4_ subtract	number				
98 Tap	THD (V3,V4); TON (V1,V2)	QMotor	stap2_trial3_errors	number				PDS
98 Tap	THD (V3,V4); TON (V1,V2)	QMotor	stap2_trial3_ subtract	number				DDC
99 Tap	THD (V3,V4); TON (V1,V2)	QMotor	stap2_trial2_errors	number				
99 Tap	THD (V3,V4); TON (V1,V2)	QMotor	stap2_trial2_ subtract	number				
100 No Tap	THD (V3,V4); TON (V1,V2)	QMotor	stap2_trial1_ errors	number				
100 No Tap	THD (V3,V4); TON (V1,V2)	QMotor	stap2_trial1_ subtract	number				
Tapping Task with Serial 2s completed	THD (V3,V4); TON (V1,V2,V3)	QMotor	st2	boolean	- yes	- 1		
Speeded				1	- no	- 0	Í	

5.3.22 Form "Quality of Life"

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Total Quality of Life Score	THD (V1,V2,V3,V4); TON (V1)	QOLI	qoliscore	number				
Health and functioning subscale score	THD (V1,V2,V3,V4); TON (V1)	QOLI	healthscore	number				
Social and economic subscale score	THD (V1,V2,V3,V4); TON (V1)	QOLI	socialscore	number				PDS
Psychological/spiritual subscale score	THD (V1,V2,V3,V4); TON (V1)	QOLI	psychscore	number				
Family subscale score	THD (V1,V2,V3,V4); TON (V1)	QOLI	familyscore	number				
	THD (V1,V2,V3,V4); TON (V1)	QOLI	health	single- choice	- very dissatisfied	- 1		
					- moderately dissatisfied	- 2		
1. Your health?					- slightly dissatisfied	- 3	Not Availat	Not Available
					 slightly satisfied 	- 4		Available
					 moderately satisfied 	- 5		
					 very satisfied 	- 6		
	THD (V1,V2,V3,V4); TON (V1)	QOLI	healthcare	single- choice	 very dissatisfied 	- 1		
					- moderately dissatisfied	- 2		
2. Your health care?					 slightly dissatisfied 	- 3		PDS
					- slightly satisfied	- 4	-	
					 moderately satisfied 	- 5		

					- very satisfied	- 6		
					- very dissatisfied	- 1		
	THD				- moderately dissatisfied	- 2		.
3. The amount of pain that you have?	(V1,V2,V3,V4);	QOLI	pain_qol	single- choice	- slightly dissatisfied	- 3		Not Available
that you have?	TON (V1)			choice	- slightly satisfied	- 4		Available
					- moderately satisfied	- 5		
					- very satisfied	- 6		
					 very dissatisfied 	- 1		
	7110				- moderately dissatisfied	- 2		
4. The amount of energy you have for	THD (V1,V2,V3,V4);	QOLI	operation del	single-	- slightly dissatisfied	- 3		PDS
everyday activities?	TON (V1)	QULI	energy_qol	choice	 slightly satisfied 	- 4		PD3
	1011(12)				- moderately satisfied	- 5		
					- very satisfied	- 6		
					- very dissatisfied	- 1		
5. Your ability to take	THD			single-	- moderately dissatisfied	- 2		
care of yourself	(V1,V2,V3,V4);	QOLI	withouthelp		- slightly dissatisfied	- 3		Not Available
without help?	TON (V1)			choice	 slightly satisfied 	- 4		Available
					- moderately satisfied	- 5		
					- very satisfied	- 6		
					- very dissatisfied	- 1		
					- moderately dissatisfied	- 2		
6. The amount of		QOLI	control_qol	single-	- slightly dissatisfied	- 3		
your life?	ontrol you have over (V1,V2,V3,V4); our life? TON (V1)	QULI	control_qoi	choice	 slightly satisfied 	- 4		PDS
your life? TON (V1)				- moderately satisfied	- 5		203	
				- very satisfied	- 6			
		QOLI	chance	single-	 very dissatisfied 	- 1		
				choice	- moderately dissatisfied	- 2		

					 very satisfied 	- 6		
				choice	- moderately satisfied	- 5		
	TON (V1)				- slightly satisfied	- 4		
.1. Your sex life? (V1,V2,V3,V4);	QOLI	sex	single-	- slightly dissatisfied	- 3			
				- moderately dissatisfied	- 2			
					- very dissatisfied	- 1		/wandole
					 very satisfied 	- 6		Available
					- moderately satisfied	- 5		Not
	TON (V1)				 slightly satisfied 	- 4		
10. Your family's happiness?	(V1,V2,V3,V4);	QOLI	happiness	single- choice	- slightly dissatisfied	- 3		
10 Your family's	THD			cingle	- moderately dissatisfied	- 2		
					- very dissatisfied	- 1		
					- very satisfied	- 6		
	TON (V1)				- moderately satisfied	- 5		
				choice	 slightly satisfied 	- 4		
9. Your children?	THD (V1,V2,V3,V4);	QOLI	children gol	single-	- slightly dissatisfied	- 3		
					- moderately dissatisfied	- 2		
					- very dissatisfied	- 1		
					- very satisfied	- 6		
		QOLI			- moderately satisfied	- 5		
health?	(V1,V2,V3,V4); TON (V1)		healthfam	choice	- slightly satisfied	- 4		
8. Your family's	THD			single-	- slightly dissatisfied	- 3		
					- moderately dissatisfied	- 2		
					- very dissatisfied	- 1		
would like?	TON (V1)				- very satisfied	- 6		
living as long as you	(V1,V2,V3,V4);				- moderately satisfied	- 5		
7. Your chances of	THD				- slightly satisfied	- 4		
					- slightly dissatisfied	- 3		

					- very dissatisfied	- 1	
					- moderately dissatisfied	- 2	
12. Your spouse,	THD	0011		single-	- slightly dissatisfied	- 3	
lover, or partner?	(V1,V2,V3,V4); TON (V1)	QOLI	spouse	choice	- slightly satisfied	- 4	
					- moderately satisfied	- 5	
					- very satisfied	- 6	
					- very dissatisfied	- 1	
					- moderately dissatisfied	- 2	
13. Your friends?		QOLI	friends	single-	- slightly dissatisfied	- 3	
13. Your menus?	(V1,V2,V3,V4); TON (V1)	QULI	menus	choice	 slightly satisfied 	- 4	
					- moderately satisfied	- 5	
					 very satisfied 	- 6	
					 very dissatisfied 	- 1	
14. The emotional	THD (V1,V2,V3,V4);				- moderately dissatisfied	- 2	
14. The emotional		QOLI	support	single-	 slightly dissatisfied 	- 3	
support you get from your family?	TON (V1)		support	choice	 slightly satisfied 	- 4	
your furnity:					- moderately satisfied	- 5	
					- very satisfied	- 6	
					- very dissatisfied	- 1	
15. The emotional					- moderately dissatisfied	- 2	
support you get from	THD (V1,V2,V3,V4);	QOLI	supportother	single-	- slightly dissatisfied	- 3	
people other than	TON (V1)	QULI	supportother	choice	 slightly satisfied 	- 4	
your family?					- moderately satisfied	- 5	
					- very satisfied	- 6	
					- very dissatisfied	- 1	
take care of family (V2	THD			- in - i -	- moderately dissatisfied	- 2	
	(V1,V2,V3,V4);	QOLI	response	single- choice	- slightly dissatisfied	- 3	
	TON (V1)			CHOICE	- slightly satisfied	- 4	
					- moderately satisfied	- 5	

	1		[- very satisfied	- 6	
				1	- very dissatisfied	- 1	
					- moderately dissatisfied	- 2	
17. How useful you	THD	0011	weeful	single-	- slightly dissatisfied	- 3	
are to others?	(V1,V2,V3,V4); TON (V1)	QOLI	useful	choice	- slightly satisfied	- 4	
					- moderately satisfied	- 5	
					- very satisfied	- 6	
					 very dissatisfied 	- 1	
					- moderately dissatisfied	- 2	
18. The amount of	THD (V1,V2,V3,V4);	QOLI	worries	single-	- slightly dissatisfied	- 3	
worries in your life?	TON (V1)	QULI	wornes	choice	- slightly satisfied	- 4	
					- moderately satisfied	- 5	
					- very satisfied	- 6	
					 very dissatisfied 	- 1	
	7115			single- choice	- moderately dissatisfied	- 2	
19. Your	THD (V1,V2,V3,V4);	QOLI	neighbor		- slightly dissatisfied	- 3	
neighborhood?	TON (V1)	QULI			 slightly satisfied 	- 4	
					- moderately satisfied	- 5	
					 very satisfied 	- 6	
					 very dissatisfied 	- 1	
20	TUD				- moderately dissatisfied	- 2	
20. Your home, apartment, or place	THD (V1,V2,V3,V4);	QOLI	home	single-	 slightly dissatisfied 	- 3	
where you live?	TON (V1)	QULI	nome	choice	 slightly satisfied 	- 4	
where you nee.					- moderately satisfied	- 5	
					 very satisfied 	- 6	
					 very dissatisfied 	- 1	
21. Your job (if	QOLI	job	single-	- moderately dissatisfied	- 2		
employed)?			100	choice	- slightly dissatisfied	- 3	
					 slightly satisfied 	- 4	

				1	- moderately satisfied	- 5		
					- very satisfied	- 6		
					- very dissatisfied	- 1		
					- moderately dissatisfied	- 2		
22. Not having a job	THD	0011		single-	- slightly dissatisfied	- 3		
(if unemployed, retired, or disabled)?	(V1,V2,V3,V4); TON (V1)	QOLI	nojob	choice	- slightly satisfied	- 4		
					- moderately satisfied	- 5		
					- very satisfied	- 6		
					- very dissatisfied	- 1		
					- moderately dissatisfied	- 2		
23. Your education?	THD	0011	education	single-	- slightly dissatisfied	- 3		PDS
23. Your education?	(V1,V2,V3,V4); TON (V1)	QOLI	education	choice	- slightly satisfied	- 4		PDS
					- moderately satisfied	- 5		
					- very satisfied	- 6		
					- very dissatisfied	- 1		
24. How well you can	тнр				- moderately dissatisfied	- 2		
take care of your	(V1,V2,V3,V4);	QOLI	finances_ qol	choice	- slightly dissatisfied	- 3		
financial needs?	TON (V1)				- slightly satisfied	- 4		
					- moderately satisfied	- 5		
					- very satisfied	- 6		
					- very dissatisfied	- 1		Not Available
					- moderately dissatisfied	- 2		Available
25. The things you do	THD (V1,V2,V3,V4);	QOLI	fun	single-	- slightly dissatisfied	- 3		
for fun?	TON (V1)	QULI	Tun	choice	 slightly satisfied 	- 4		
					- moderately satisfied	- 5		
					- very satisfied	- 6		
26. Your chances for a		QOLI	future	single-	- very dissatisfied	- 1		
happy future?		QULI		choice	- moderately dissatisfied	- 2		

					- slightly dissatisfied	- 3		
					- slightly satisfied	- 4		
	(V1,V2,V3,V4); TON (V1)				- moderately satisfied	- 5		
					- very satisfied	- 6		
					- very dissatisfied	- 1		
					- moderately dissatisfied	- 2		
27. Your peace of	THD	0011	una in al	single-	- slightly dissatisfied	- 3		
mind?	(V1,V2,V3,V4); TON (V1)	QOLI	mind	choice	 slightly satisfied 	- 4		
					- moderately satisfied	- 5		
					- very satisfied	- 6		
					 very dissatisfied 	- 1		
	-			single- choice	- moderately dissatisfied	- 2		
28. Your faith in God?	THD (V1,V2,V3,V4); (TON (V1)	QOLI	god		 slightly dissatisfied 	- 3		
		QULI	gou		 slightly satisfied 	- 4		
						- moderately satisfied	- 5	
					 very satisfied 	- 6		
					- very dissatisfied	- 1		
	-				- moderately dissatisfied	- 2		
29. Your achievement	THD (V1,V2,V3,V4);	QOLI	goals	single-	 slightly dissatisfied 	- 3		
of personal goals?	TON (V1)	QULI	guais	choice	 slightly satisfied 	- 4		
					- moderately satisfied	- 5		
					- very satisfied	- 6		
					 very dissatisfied 	- 1		
	TUD				- moderately dissatisfied	- 2		
30. Your happiness in	THD (V1,V2,V3,V4); QOLI TON (V1)	0011	happinessgen	single-	- slightly dissatisfied	- 3		
general?		QULI	naphinessRen	choice	 slightly satisfied 	- 4		
					- moderately satisfied	- 5		
					- very satisfied	- 6		
		QOLI	general_qol		- very dissatisfied	- 1		

					- moderately dissatisfied	- 2	
	THD				- slightly dissatisfied	- 3	
31. Your life in general?	(V1,V2,V3,V4);			single- choice	- slightly satisfied	- 4	
general	TON (V1)			choice	- moderately satisfied	- 5	
					- very satisfied	- 6	
					- very dissatisfied	- 1	
					- moderately dissatisfied	- 2	
32. Your personal	THD	0011	0000010000	single-	- slightly dissatisfied	- 3	
appearance?	(V1,V2,V3,V4); TON (V1)	QOLI	appearance	choice	 slightly satisfied 	- 4	
					- moderately satisfied	- 5	
					- very satisfied	- 6	
					- very dissatisfied	- 1	
33. Yourself in (V1	THD (V1,V2,V3,V4); TON (V1)			single- choice	- moderately dissatisfied	- 2	
		QOLI	yourself		 slightly dissatisfied 	- 3	
					 slightly satisfied 	- 4	
					- moderately satisfied	- 5	
					 very satisfied 	- 6	
					- very unimportant	- 1	
	THD				 moderately unimportant 	- 2	
1. Your health?	(V1,V2,V3,V4);	QOLI	imphealth	single- choice	 slightly unimportant 	- 3	
	TON (V1)			choice	- slightly important	- 4	
					- moderately important	- 5	
					- very important	- 6	
					- very unimportant	- 1	
2. Your health care? (V	THD (V1,V2,V3,V4);	QOLI	imphealthcare	single-	 moderately unimportant 	- 2	
	TON (V1)			choice	- slightly unimportant	- 3	
					- slightly important	- 4	

					- moderately important	- 5	
					- very important	- 6	
					- very unimportant	- 1	
	тнр				- moderately unimportant	- 2	
3. Having no pain?	(V1,V2,V3,V4);	QOLI	impnopain	single- choice	- slightly unimportant	- 3	
	TON (V1)			choice	 slightly important 	- 4	
					- moderately important	- 5	
					- very important	- 6	
					- very unimportant	- 1	
4. Having enough	THD				 moderately unimportant 	- 2	
energy for everyday	(V1,V2,V3,V4);	QOLI	impenergy	single-	- slightly unimportant	- 3	
activities?	TON (V1)			choice	- slightly important	- 4	
					- moderately important	- 5	
					- very important	- 6	
					- very unimportant	- 1	
5. Taking care of	THD				 moderately unimportant 	- 2	
yourself without	(V1,V2,V3,V4);	QOLI	impcare	single-	- slightly unimportant	- 3	
help?	TON (V1)			choice	- slightly important	- 4	
					- moderately important	- 5	
					- very important	- 6	
					- very unimportant	- 1	
6. Having control over				single-	- moderately unimportant	- 2	
(V1,V2,V3,V4);	QOLI	impcontrol	choice	- slightly unimportant	- 3		
	TON (V1)	TON (V1)			- slightly important	- 4	
					- moderately important	- 5	

					- very important	- 6	
					- very unimportant	- 1	
I	THD				- moderately unimportant	- 2	
7. Living as long as	(V1,V2,V3,V4);	QOLI	impliving	single-	- slightly unimportant	- 3	
you would like?	TON (V1)			choice	- slightly important	- 4	
					- moderately important	- 5	
					- very important	- 6	
					- very unimportant	- 1	
	THD				 moderately unimportant 	- 2	
8. Your family's health?	our family's	QOLI	imphealthfam	single-	- slightly unimportant	- 3	
nealth?				choice	- slightly important	- 4	
					- moderately important	- 5	
					- very important	- 6	
					- very unimportant	- 1	
	THD				 moderately unimportant 	- 2	
9. Your children?	(V1,V2,V3,V4);	QOLI	impchildren	single-	- slightly unimportant	- 3	
	TON (V1)			choice	- slightly important	- 4	
					- moderately important	- 5	
					- very important	- 6	
					- very unimportant	- 1	
10. Your family's happiness? TON (V1)	THD				 moderately unimportant 	- 2	
	(V1,V2,V3,V4);	QOLI	imphappiness	single-	- slightly unimportant	- 3	
	TON (V1)			choice	- slightly important	- 4	
					- moderately important	- 5	
					- very important	- 6	

11. Your sex life?	THD (V1,V2,V3,V4); TON (V1)	QOLI	impsexlife	single- choice	 very unimportant moderately unimportant slightly unimportant slightly important moderately important very important 	- 1 - 2 - 3 - 4 - 5 - 6	
12. Your spouse,	THD			single-	 very unimportant moderately unimportant 	- 1 - 2	
lover, or partner?	(V1,V2,V3,V4);	QOLI	impspouse	choice	- slightly unimportant	- 3	
, , ,	TON (V1)				- slightly important	- 4	
					- moderately important	- 5	
					- very important	- 6	
	THD				 very unimportant moderately unimportant 	- 1 - 2	
13. Your friends?	(V1,V2,V3,V4);	QOLI	impfriends	single-	- slightly unimportant	- 3	
	TON (V1)			choice	- slightly important	- 4	
					- moderately important	- 5	
					- very important	- 6	
					- very unimportant	- 1	
14. The emotional	тнр				 moderately unimportant 	- 2	
support you get from	(V1,V2,V3,V4);	QOLI	impsupport	single-	- slightly unimportant	- 3	
	TON (V1)			choice	- slightly important	- 4	
					- moderately important	- 5	
					- very important	- 6	
		QOLI	impsupportother		- very unimportant	- 1	

15. The emotional support you get from people other than your family?	THD (V1,V2,V3,V4); TON (V1)			single- choice	 moderately unimportant slightly unimportant slightly important moderately important very important 	- 2 - 3 - 4 - 5 - 6	
16. Taking care of	THD				 very unimportant moderately unimportant 	- 1 - 2	
family	(V1,V2,V3,V4);	QOLI	impresponse	single- choice	- slightly unimportant	- 3	
responsibilities?	TON (V1)				 slightly important 	- 4	
					- moderately important	- 5	
					 very important 	- 6	
					- very unimportant	- 1	
	THD				- moderately unimportant	- 2	
17. Being useful to	(V1,V2,V3,V4);	QOLI	impuseful	single- choice	- slightly unimportant	- 3	
others?	TON (V1)			choice	 slightly important 	- 4	
					- moderately important	- 5	
					- very important	- 6	
					- very unimportant	- 1	
	THD				 moderately unimportant 	- 2	
18. Having no	(V1,V2,V3,V4);	QOLI	impworries	single-	- slightly unimportant	- 3	
worries?	TON (V1)			choice	- slightly important	- 4	
					- moderately important	- 5	
					- very important	- 6	
19. Your	THD			single-	- very unimportant	- 1	
neighborhood?	(V1,V2,V3,V4); TON (V1)	QOLI	impneighbor	choice	 moderately unimportant 	- 2	

	1				- slightly unimportant	- 3	
					- slightly important	- 4	
					- moderately important	- 5	
					- very important	- 6	
					- very unimportant	- 1	
20. Your home,	THD				- moderately unimportant	- 2	
apartment, or place	(V1,V2,V3,V4);	QOLI	imphome	single- choice	- slightly unimportant	- 3	
where you live?	TON (V1)			choice	 slightly important 	- 4	
					- moderately important	- 5	
					 very important 	- 6	
					- very unimportant	- 1	
	THD (V1,V2,V3,V4); TON (V1)		impjob	single- choice	- moderately unimportant	- 2	
21. Your job (if		QOLI			- slightly unimportant	- 3	
employed)?					- slightly important	- 4	
					- moderately important	- 5	
					- very important	- 6	
					- very unimportant	- 1	
22. Having a job (if	THD				- moderately unimportant	- 2	
unemployed, retired,	(V1,V2,V3,V4);	QOLI	imphavejob	single- choice	- slightly unimportant	- 3	
or disabled)?	TON (V1)			choice	 slightly important 	- 4	
					- moderately important	- 5	
					- very important	- 6	
	TUD				- very unimportant	- 1	
23. Your education?	B. Your education? (V1,V2,V3,V4); TON (V1)	QOLI	Impeducation	single- choice	 moderately unimportant 	- 2	
					- slightly unimportant	- 3	

	1				- slightly important	- 4	
					- moderately important	- 5	
					- very important	- 6	
					- very unimportant	- 1	
24. Being able to take	THD				 moderately unimportant 	- 2	
care of your financial	(V1,V2,V3,V4);	QOLI	impfinances	single- choice	 slightly unimportant 	- 3	
needs?	TON (V1)			choice	- slightly important	- 4	
					- moderately important	- 5	
					- very important	- 6	
					- very unimportant	- 1	
	THD				 moderately unimportant 	- 2	
25. Doing things for	(V1,V2,V3,V4);	QOLI	impfun	single-	- slightly unimportant	- 3	
fun?	TON (V1)			choice	- slightly important	- 4	
					- moderately important	- 5	
					- very important	- 6	
					- very unimportant	- 1	
	THD				 moderately unimportant 	- 2	
26. Having a happy future?	(V1,V2,V3,V4);	QOLI	imphappy	single- choice	- slightly unimportant	- 3	
וענעופי	TON (V1)			choice	- slightly important	- 4	
					- moderately important	- 5	
					- very important	- 6	
					- very unimportant	- 1	
27. Peace of mind?	THD (V1,V2,V3,V4);	QOLI	impmind	single-	 moderately unimportant 	- 2	
	TON (V1)			choice	 slightly unimportant 	- 3	
					- slightly important	- 4	

					- moderately important	- 5	
					- very important	- 6	
					- very unimportant	- 1	
	THD				- moderately unimportant	- 2	
28. Your faith in God?	(V1,V2,V3,V4);	QOLI	impgod	single-	- slightly unimportant	- 3	
	TON (V1)			choice	 slightly important 	- 4	
					- moderately important	- 5	
					- very important	- 6	
					- very unimportant	- 1	
	THD				- moderately unimportant	- 2	
29. Achieving your	(V1,V2,V3,V4);	QOLI	impgoals	single-	- slightly unimportant	- 3	
personal goals?	TON (V1)			choice	- slightly important	- 4	
					- moderately important	- 5	
					- very important	- 6	
					- very unimportant	- 1	
	THD				 moderately unimportant 	- 2	
30. Your happiness in	(V1,V2,V3,V4);	QOLI	imphappinessgen	single-	- slightly unimportant	- 3	
general?	TON (V1)			choice	- slightly important	- 4	
					- moderately important	- 5	
					- very important	- 6	
					- very unimportant	- 1	
31. Being satisfied	THD			single-	- moderately unimportant	- 2	
	(V1,V2,V3,V4);	QOLI	implife	choice	- slightly unimportant	- 3	
	TON (V1)				- slightly important	- 4	
					- moderately important	- 5	

					- very important	- 6	
					- very unimportant	- 1	
	THD				 moderately unimportant 	- 2	
32. Your personal	(V1,V2,V3,V4);	QOLI	impappearance	single-	 slightly unimportant 	- 3	
appearance?	TON (V1)			choice	 slightly important 	- 4	
					- moderately important	- 5	
					- very important	- 6	
					- very unimportant	- 1	
	THD				 moderately unimportant 	- 2	
33. Are you to	(V1,V2,V3,V4);	QOLI	impyourself	single-	 slightly unimportant 	- 3	
yourself?	TON (V1)			choice	- slightly important	- 4	
					- moderately important	- 5	
					- very important	- 6	

5.3.23 Form "Samples ACD"

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability
CAG smaller allele	THD (V1); TON (V1)	Samples ACD	cagsmallervalue	number				PDS
CAG larger allele	THD (V1); TON (V1)	Samples ACD	caglargervalue	number				PDS

5.3.24 Form "SF-36v2"

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Physical Functioning (PF)	THD (V1,V2,V3)	SF-36v2	pfsubscore	number				PDS
Physical Functioning (PF)	THD (V3)	SF-36v2	pf	number				Available upon SRC approval
Physical Functioning (PF)	THD (V3)	SF-36v2	pf_nbs	number				Not Available
Role-Physical (RP)	THD (V1,V2,V3)	SF-36v2	rpsubscore	number				PDS
Role-Physical (RP)	THD (V3)	SF-36v2	rp	number				Available upon SRC approval
Role-Physical (RP)	THD (V3)	SF-36v2	rp_nbs	number				Not Available
Bodily Pain (BP)	THD (V1,V2,V3)	SF-36v2	bpsubscore	number				PDS
Bodily Pain (BP)	THD (V3)	SF-36v2	bp	number				Available upon SRC approval
Bodily Pain (BP)	THD (V3)	SF-36v2	bp_nbs	number				Not Available
General Health (GH)	THD (V1,V2,V3)	SF-36v2	ghsubscore	number				PDS
General Health (GH)	THD (V3)	SF-36v2	gh	number				Available upon SRC approval
General Health (GH)	THD (V3)	SF-36v2	gh_nbs	number				Not Available

Vitality (VT)	THD (V1,V2,V3)	SF-36v2	vtsubscore	number		PDS
Vitality (VT)	THD (V3)	SF-36v2	vt	number		Available upon SRC approval
Vitality (VT)	THD (V3)	SF-36v2	vt_nbs	number		Not Available
Social Functioning (SF)	THD (V1,V2,V3)	SF-36v2	sfsubscore	number		PDS
Social Functioning (SF)	THD (V3)	SF-36v2	sf	number		Available upon SRC approval
Social Functioning (SF)	THD (V3)	SF-36v2	sf_nbs	number		Not Available
Role-Emotional (RE)	THD (V1,V2,V3)	SF-36v2	resubscore	number		PDS
Role-Emotional (RE)	THD (V3)	SF-36v2	re	number		Available upon SRC approval
Role-Emotional (RE)	THD (V3)	SF-36v2	re_nbs	number		Not Available
Mental Health (MH)	THD (V1,V2,V3)	SF-36v2	mhsubscore	number		PDS
Mental Health (MH)	THD (V3)	SF-36v2	mh	number		Available upon SRC approval
Mental Health (MH)	THD (V3)	SF-36v2	mh_nbs	number		Not Available
Physical Component Summary (PCS)	THD (V3)	SF-36v2	pcs	number		PDS

Physical Component Summary (PCS)	THD (V1,V2,V3)	SF-36v2	pcsum	number			
Mental Component Summary (MCS)	THD (V3)	SF-36v2	mcs	number			Available upon SRC approval
Mental Component Summary (MCS)	THD (V1,V2,V3)	SF-36v2	mcsum	number			
1. In general,	THD			single-	- poor	- 1	PDS
would you say	(V1,V2,V3)	SF-36v2	general_sf36	choice	- fair 3.4	- 2	
your health is?	(///				- excellent	- 5	
					 much better now than one year ago 	- 1	
2. Compared to one year ago,	тнр			single	 somewhat better now than one year ago 	- 2	
how would you rate your health	(V1,V2,V3)	SF-36v2	compared	single- choice	 about the same as one year ago 	- 3	
in general now?					 somewhat worse now than one year ago 	- 4	Available
					 much worse now than one year ago 	- 5	upon SRC approval
Vigorous					- yes, limited a lot	- 1	
activities, such as	7115				- yes, limited a little	- 2	
running, lifting heavy objects, participating in strenuous sports	THD (V1,V2,V3)	SF-36v2	activitiesv	single- choice	- No, not limited at all	- 3	
Moderate	THD	SF-36v2	activitiesm	single-	- yes, a lot	- 1	
activities, such as	(V1,V2,V3)	51-5072		choice	 yes, a little 	- 2	

moving a table,							
pushing a							
vacuum cleaner,					- not at all	- 3	
bowling, or							
playing golf						4	
Lifting or carrying	THD	65 AC A	1.0.1	single-	- yes, a lot	- 1	
groceries	(V1,V2,V3)	SF-36v2	lifting	choice	- yes, a little	- 2	
					- not at all	- 3	
Climbing several	THD			single-	- yes, a lot	- 1	
flights of stairs	(V1,V2,V3)	SF-36v2	climbings	choice	- yes, a little	- 2	
0					- not at all	- 3	
Climbing one	THD			single-	- yes, a lot	- 1	
flight of stairs	(V1,V2,V3)	SF-36v2	climbingo	choice	- yes, a little	- 2	
ingite of stans	(*1,*2,*3)			choice	- not at all	- 3	
Donding knooling	THD			single	 yes, a lot 	- 1	
Bending, kneeling or stooping	(V1,V2,V3)	SF-36v2	bending	single- choice	 yes, a little 	- 2	
or stooping	(*1,*2,*3)			choice	- not at all	- 3	
Walking more					- yes, a lot	- 1	
than a mile	THD	SF-36v2	walkingm	single-	- yes, a little	- 2	
(approx. 1.5 kilometres)	(V1,V2,V3)			choice	- not at all	- 3	
Walking several	TUD			-:l	- yes, a lot	- 1	
hundred yards	THD (V1,V2,V3)	SF-36v2	walkings	single- choice	- yes, a little	- 2	
(metres)	(*1,*2,*3)			choice	- not at all	- 3	
Walking one	-				- yes, a lot	- 1	
hundred yards	THD	SF-36v2	walkingo	single- choice	- yes, a little	- 2	
(metres)	(V1,V2,V3)			choice	- not at all	- 3	
					- yes, a lot	- 1	
Bathing or	THD	SF-36v2	bathing	single-	- yes, a little	- 2	
dressing yourself	(V1,V2,V3)			choice	- not at all	- 3	

Cut down on the					- all of the time	- 1	
amount of time	TUD			منعواء	- most of the time	- 2	
you spent on	THD (V1,V2,V3)	SF-36v2	physiccut	single- choice	- some of the time	- 3	
work or other	(*1,*2,*3)			choice	- a little of the time	- 4	
activities					- none of the time	- 5	
					- all of the time	- 1	
Accomplished	7115				- most of the time	- 2	
less than you	THD (V1,V2,V3)	SF-36v2	physicacc	single- choice	- some of the time	- 3	
would like	(V1,V2,V3)			choice	- a little of the time	- 4	
					- none of the time	- 5	
					- all of the time	- 1	
Were limited in					- most of the time	- 2	
the kind of work	THD (V1,V2,V3)	SF-36v2 physiclimit	physiclimit	single- choice	- some of the time	- 3	
or other activities	(V1,V2,V3)				- a little of the time	- 4	
	í I I I I				- none of the time	- 5	
Had difficulty					- all of the time	- 1	
performing the					- most of the time	- 2	
work or other	THD	SF-36v2	physicdiff	single-	- some of the time	- 3	
activities (for example, it took	(V1,V2,V3)		. ,	choice	- a little of the time	- 4	
extra effort)					- none of the time	- 5	
Cut down on the					- all of the time	- 1	
amount of time					- most of the time	- 2	
you spent on	THD	SF-36v2	emotioncut	single- choice	- some of the time	- 3	
work or other	(V1,V2,V3)			choice	- a little of the time	- 4	
activities					- none of the time	- 5	
Accomplished					- all of the time	- 1	
less than you	THD	SF-36v2	emotionacc	single-	- most of the time	- 2	
would like	(V1,V2,V3)			choice	- some of the time	- 3	

					- a little of the time	- 4	
					- none of the time	- 5	
					- all of the time	- 1	
Did work or other	T 110				- most of the time	- 2	
activities less carefully than	THD (V1,V2,V3)	SF-36v2	emotioncare	single- choice	- some of the time	- 3	
usual	(V1,V2,V3)			choice	- a little of the time	- 4	
asaan					- none of the time	- 5	
6. During the					- extremely	- 1	
past 4 weeks, to					- quite a bit	- 2	
what extent has					- moderately	- 3	
your physical health or					- slightly	- 4	
problems interfered with your normal social activities with family, friends, neighbours or groups?	THD (V1,V2,V3)	SF-36v2	extent	single- choice	- not at all	- 5	
7. How much					- very severe	- 1	
bodily pain have	THD		h a du ma in	single-	- severe	- 2	
you had during the past 4	(V1,V2,V3)	SF-36v2	bodypain	choice	- moderate 4		
weeks?					- very mild	- 5	
					- none	- 6	
8. During the					- extremely	- 1	
past 4 weeks,	weeks, THD Nuch did (V1 V2 V3) SF-36v2 interferework		single-	- quite a bit	- 2		
how much did		interferework	choice	- moderately	- 3		
pain interfere				- a little bit	- 4		
with your normal					- not at all	- 5	

work (including both work outside the home and housework)?							
					 none of the time a little of the time 	- 1 - 2	
Did you feel full of life?	THD (V1,V2,V3)	SF-36v2	life	single- choice	- some of the time	- 3	
of mer	(V1,V2,V3)			choice	- most of the time	- 4	
					- all of the time	- 5	
					- all of the time	- 1	
	TUD			single	- most of the time	- 2	
Have you been very nervous?	THD (V1,V2,V3)	SF-36v2	nervous	single- choice	- some of the time	- 3	
very nervous:	(*1,*2,*3)			choice	- a little of the time	- 4	
					- none of the time	- 5	
Have you felt so					- all of the time	- 1	
, down in the	THD			cinglo	- most of the time	- 2	
dumps that	(V1,V2,V3)	SF-36v2	dumps	single- choice	- some of the time	- 3	
nothing could	(*1,*2,*3)			choice	- a little of the time	- 4	
cheer you up?					- none of the time	- 5	
					- none of the time	- 1	
Have you felt	THD			single	- a little of the time	- 2	
calm and	(V1,V2,V3)	SF-36v2	calm	single- choice	- some of the time	- 3	
peaceful?	(*1,*2,*3)			choice	- most of the time	- 4	
					- all of the time	- 5	
					- none of the time	- 1	
Did	Did you have a THD ot of energy? (V1,V2,V3) SF-36v			ain ala	- a little of the time	- 2	
		SF-36v2	energy_sf36	single-	- some of the time	- 3	
iot of chergy:			c	choice	- most of the time	- 4	
					- all of the time	- 5	

1	1	1		T	all af the time -		
					- all of the time	- 1	
Have you felt	THD			single-	- most of the time	- 2	
downhearted	(V1,V2,V3)	SF-36v2	downheart	choice	- some of the time	- 3	
and low?					- a little of the time	- 4	
					- none of the time	- 5	
					- all of the time	- 1	
Did you feel worn	THD			single-	- most of the time	- 2	
out?	(V1,V2,V3)	SF-36v2	wornout	choice	- some of the time	- 3	
out:	(*1,*2,*3)			choice	- a little of the time	- 4	
					- none of the time	- 5	
					- none of the time	- 1	
					- a little of the time	- 2	
Have you been	ave you been THD appy? (V1,V2,V3) SF	SF-36v2	happy	single-	- some of the time	- 3	
парруг				choice	- most of the time	- 4	
				- all of the time	- 5		
					- all of the time	- 1	
					- most of the time	- 2	
Did you feel	THD	SF-36v2	tired	single- choice	- some of the time	- 3	
tired?	(V1,V2,V3)				- a little of the time	- 4	
					- none of the time	- 5	
10. During the					- all of the time	- 1	
past 4 weeks,					- most of the time	- 2	
how much of the					- some of the time	- 3	
time has your					- a little of the time	- 4	
	hysical health or THD motional (V1,V2,V3) roblems	SF-36v2	interferesocial	single-			
				choice			
interfered with					- none of the time	- 5	
your social	our social						
activities (like							

visiting with friends, relatives, etc.)?							
					- definitely true	- 1	
I seem to get ill	TUD			al a sta	- mostly true	- 2	
more easily than	THD (V1,V2,V3)	SF-36v2	sick	single- choice	- don't know	- 3	
other people	(*1,*2,*3)			choice	- mostly false	- 4	
					- definitely false	- 5	
					- definitely false	- 1	
	-				- mostly false	- 2	
I am as healthy as THI anybody I know (V1		SF-36v2	healthy	single- choice	- don't know	- 3	
	(V1,V2,V3)			choice	- mostly true	- 4	
					- definitely true	- 5	
					- definitely true	- 1	
l expect my					- mostly true	- 2	
health to get	THD ()(1)(2)(2)	SF-36v2	worse	single- choice	- don't know	- 3	
worse	(V1,V2,V3)			choice	- mostly false	- 4	
					- definitely false	- 5	
					- definitely false	- 1	
					- mostly false	- 2	
My health is excellent	THD ()(1,)(2,)(2)	SF-36v2	excellent	single-	- don't know	- 3	
excellent	(V1,V2,V3)		cl	choice	- mostly true	- 4	
					- definitely true	- 5	

5.3.25 Form "UHDRS Total Functional Capacity (TFC)"

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability	
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Functional score	THD (V1,V2,V3,V4); TON (V1,V2,V3)	TFC	tfcscore	number			PDS
Completeness of functional score	TON (V1,V2,V3)	TFC	cmpltfc	number			Available upon SRC approval
	TUD				- unable	- 0	
	THD (V1,V2,V3,V4);			single-	 marginal work only 	- 1	
Occupation	TON (V1,V2,V3)	TFC	occupath choice - reduced capacity for usual		 reduced capacity for usual job 	- 2	
	(*1,*2,*3)				- normal	- 3	
	THD				- unable	- 0	
Finances	(V1,V2,V3,V4);	TFC	financos tfs	single-	- major assistance	- 1	
TON		IFC	finances_tfc	choice	 slight assistance 	- 2	
	(V1,V2,V3)				- normal	- 3	
	THD				- unable	- 0	226
Domestic chores	(V1,V2,V3,V4);	TFC	chores	single-	- impaired	- 1	PDS
	TON (V1,V2,V3)			choice	- normal	- 2	
	THD				- total care	- 0	
ADL	(V1,V2,V3,V4);	TFC	adl	single-	 gross tasks only 	- 1	
ADL	TON	ne		choice	- minimal impairment	- 2	
	(V1,V2,V3)				- normal	- 3	
	THD				- full time skilled nursing	- 0	
Care level	(V1,V2,V3,V4);	TFC	carelevl	single-	- home or chronic care	- 1	
	TON (V1,V2,V3)			choice	- home	- 2	
Was the information obtained from	THD (V1,V2,V3,V4);	TFC	tfcsrc	single- choice	- participant only	- 1	Available upon SRC approval

TON (V1,V2,V3)			 participant and family/companion 	- 2		
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5.3.26 Form "UHDRS Total Motor Score (TMS)"

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Hemisphere assessed	TON (V1,V2,V3)	TMS	hemisphere	single- choice	- right - left	- 1 - 2		
Somatosensory evoked potentials (SEP)	TON (V1,V2,V3)	TMS	sep	boolean	- no - yes	- 0 - 1		
Sensory threshold median nerve	TON (V1,V2,V3)	TMS	sep_sens_ median	number				
Motor threshold median nerve	TON (V1,V2,V3)	TMS	sep_motor_ median	number				
Above sensory threshold	TON (V1,V2,V3)	TMS	sep_sensory	number				PDS
Above motor threshold	TON (V1,V2,V3)	TMS	sep_motor	number				
150% motor threshold	TON (V1,V2,V3)	TMS	sep_150motor	number				
Latency (N20)	TON (V1,V2,V3)	TMS	sep_latency	number				
Arm length	TON (V1,V2,V3)	TMS	sep_armlength	number			cm	
RAW data	TON (V1,V2,V3)	TMS	sep_sensory_raw	text				
RAW data	TON (V1,V2,V3)	TMS	sep_motor_ raw	text				Not Available
RAW data	TON (V1,V2,V3)	TMS	sep_150pct_ raw	text				

Long Latency Reflex	TON	тмѕ	llr	boolean	- no	- 0	
(LLR)	(V1,V2,V3)	11015	111	boolean	- yes	- 1	 PDS
Stimulation intensity used for LLR	TON (V1,V2,V3)	TMS	llr_intensity	number			
RAW data	TON (V1,V2,V3)	TMS	llr_raw	text			Not ailable
Transcranial magnetic stimulation	TON (V1,V2,V3)	TMS	tms	boolean	- no - yes	- 0 - 1	
Resting motor threshold	TON (V1,V2,V3)	TMS	tms_thrhld_ resting	number			
Active motor threshold	TON (V1,V2,V3)	TMS	tms_thrhld_ active	number			
I/O rest	TON (V1,V2,V3)	TMS	tms_iorest	boolean	- no	- 0 - 1	PDS
110% resting motor threshold	TON (V1,V2,V3)	тмѕ	tms_iorest_ 110_motor	number	- yes	- 1	
130% resting motor threshold	TON (V1,V2,V3)	тмѕ	tms_iorest_ 130_motor	number			
150% resting motor threshold	TON (V1,V2,V3)	TMS	tms_iorest_ 150_motor	number			
RAW data	TON (V1,V2,V3)	TMS	tms_iorest_ 110_raw	text			
RAW data	TON (V1,V2,V3)	TMS	tms_iorest_ 130_raw	text			Not ailable
RAW data	TON (V1,V2,V3)	TMS	tms_iorest_ 150_raw	text			
I/O active	TON (V1,V2,V3)	TMS	tms_ioactv	boolean	- no - yes	- 0 - 1	
125% active motor threshold	TON (V1,V2,V3)	TMS	tms_ioact_125_motor	number			PDS

150% active motor threshold	TON (V1,V2,V3)	TMS	tms_ioact_ 150_motor	number			
175% active motor threshold	TON (V1,V2,V3)	TMS	tms_ioact_ 175_motor	number			
RAW data	TON (V1,V2,V3)	TMS	tms_ioact_125_raw	text			
RAW data	TON (V1,V2,V3)	TMS	tms_ioact_150_raw	text			Not Available
RAW data	TON (V1,V2,V3)	TMS	tms_ioact_175_raw	text			
Short latency sensory	TON				- no	- 0	
afferent inhibition (SAI)	(V1,V2,V3)	TMS	tms_sai	boolean	- yes	- 1	
Stimulation intensity for unconditioned MEP	TON (V1,V2)	TMS	tms_sai_intens_ mep	number			
N20+2	TON (V1,V2)	TMS	isi_n202	number			PDS
N20+4	TON (V1,V2)	TMS	isi_n204	number			
N20+12	TON (V1,V2)	TMS	fisi_n2012	number			
N20+14	TON (V1,V2)	TMS	fisi_n2014	number			
RAW data	TON (V1,V2,V3)	TMS	tms_sai_raw	text			
Optional rapid PAS	TON	TMS	pas	boolean	- no	- 0	
	(V1,V2,V3)				- yes	- 1	Not
Comment available	TON (V1,V2,V3)	TMS	comment	boolean	- no - yes	- 0 - 1	Available
Comment	TON (V1,V2,V3)	TMS	commentspc	text			

Upload of entered TMS record sheet	TON (V1,V2,V3)	тмѕ	record	text				
TMS Analysis File	TON (V1,V2,V3)	TMS	tmscsv	text				PDS
Last TMS analysis variables import report	TON (V1,V2,V3)	TMS	tms_import_ report	text				Not
TMS Analysis File successfully uploaded and imported:	TON (V1,V2,V3)	TMS	tmscsvsuccess	boolean	- no - yes	- 0 - 1	-	Available
Somatosensory evoked potentials (SEP)	TON (V1,V2,V3)	TMS	sep_anlys	boolean	- no - yes	- 0 - 1	-	
Amplitude N20/P25 (above sensory threshold)	TON (V1,V2,V3)	TMS	sep_amplitude_ sensory	number				
Amplitude N20/P25 (above motor threshold)	TON (V1,V2,V3)	TMS	sep_amplitude_ motor	number				
Amplitude N20/P25 (150% motor threshold)	TON (V1,V2,V3)	TMS	sep_amplitude_ 150motor	number				226
Long Latency Reflex (LLR)	TON (V1,V2,V3)	TMS	llr_anlys	boolean	- no - yes	- 0 - 1	-	PDS
Latency LLRI	TON (V1,V2,V3)	TMS	llr_latency1	number				
Latency LLRII	TON (V1,V2,V3)	TMS	llr_latency2	number				
Size LLRII	TON (V1,V2,V3)	TMS	llr_size_llr2	number				
Cortical relay time	TON (V1,V2,V3)	TMS	cortical_relay_time	number			ms	
		TMS	tms_anlys	boolean	- no	- 0		

Transcranial magnetic	TON					Ι. Ι	
stimulation	(V1,V2,V3)				- yes	- 1	
I/O rest	TON	TMS	tms iorest anlys	boolean	- no	- 0	
	(V1,V2,V3)	11013		boolean	- yes	- 1	
MEP latency	TON (V1,V2,V3)	TMS	tms_iorest_ latency	number			
MEP area at 110% RMT	TON (V1,V2,V3)	TMS	tms_iorest_ 110_area	number			
MEP area at 130% RMT	TON (V1,V2,V3)	TMS	tms_iorest_ 130_area	number			
MEP area at 150% RMT	TON (V1,V2,V3)	TMS	tms_iorest_ 150_area	number			
I/O active	TON (V1,V2,V3)	TMS	tms_ioactv_ anlys	boolean	- no	- 0	
	(V1,V2,V3) TON				- yes	- 1	
MEP area at 125% AMT	(V1,V2,V3)	TMS	tms_ioactv_ 125_area	number			
MEP area at 150% AMT	TON (V1,V2,V3)	TMS	tms_ioactv_ 150_area	number			
MEP area at 175% AMT	TON (V1,V2,V3)	TMS	tms_ioactv_ 175_area	number			
Cortical silent period duration at 125% AMT	TON (V1,V2,V3)	TMS	tms_ioactv_ 125_spd	number			
MEP area at 125% AMT/Cortical silent period duration at 125% AMT	TON (V1,V2,V3)	TMS	tms_ioactv_ 125_area_spd	number			
Cortical silent period duration at 150% AMT	TON (V1,V2,V3)	TMS	tms_ioactv_ 150_spd	number			
MEP area at 150% AMT/Cortical silent period duration at 150% AMT	TON (V1,V2,V3)	TMS	tms_ioactv_ 150_area_spd	number			

Cortical silent period duration at 175% AMT	TON (V1,V2,V3)	тмѕ	tms_ioactv_175_spd	number			
MEP area at 175% AMT/Cortical silent period duration at 175% AMT	TON (V1,V2,V3)	TMS	tms_ioactv_ 175_area_spd	number			
Short latency sensory	TON	T 1 46			- no	- 0	
afferent inhibition (SAI)	(V1,V2,V3)	TMS	tms_sai_anlys	boolean	- yes	- 1	
Conditioned MEP size N20+2/unconditioned MEP size	TON (V1,V2)	TMS	tms_sai_n202_ size	number			
Conditioned MEP size N20+4/unconditioned MEP size	TON (V1,V2)	TMS	tms_sai_n204_ size	number			
Conditioned MEP size N20+12/unconditioned MEP size	TON (V1,V2)	TMS	tms_sai_n2012_ size	number			
Conditioned MEP size N20+14/unconditioned MEP size	TON (V1,V2)	TMS	tms_sai_n2014_ size	number			
Optional rapid PAS	TON (V1,V2,V3)	TMS	pas_anlys	boolean	- no	- 0	Not Available
	(=, = =, = • • • •				- yes	- 1	

5.3.27 Form "Variable Items"

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Date of visit	THD (V1,V2,V3,V4);	Variable Items	svstdtc	date				Not Available

	TON (V1,V2,V3)						
Date of visit (precision)	THD (V1,V2,V3,V4)	Variable Items	svstdtc prec	single- choice			
Weight	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Variable Items	weight	number			
Height	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Variable Items	height	number			PDS
BMI	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Variable Items	bmi	number			
Occupation	THD (V1)	Variable Items	occupationname	text			Not Available
	THD				- full-time	- 0	
Employment	(V1,V2,V3,V4);	Variable	employ	single-	- part-time	- 1	
Employment	TON	Items	cilipioy	choice	- unemployed	- 2	
	(V1,V2,V3)				- retired	- 3	
	TUD				- single	- 1	
	THD (V1,V2,V3,V4);	Variable		single-	- married	- 2	PDS
Marital status	TON	Items	maritalstatus	choice	- partnership	- 3	
	(V1,V2,V3)	licento			- divorced	- 4	
					- widowed	- 5	
Do you have a	THD	Variable	ble		- no	- 0	
companion that lives with you?	(V1,V2,V3,V4)	Items	companion	boolean	- yes	- 1	

Current alcohol consumption	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Variable Items	alcunits	numeric			
What is the highest degree that you have completed?	THD (V2,V3); TON (V1,V3)	Variable Items	highest_education	text			
Had the Comorbid and Medication forms been updated to the current status?	THD (V2,V3,V4); TON (V2,V3)	Variable Items	comorbmedcheck	boolean	- no - yes	- 0	Not Available
Current education level (ISCED 2010)	THD (V3); TON (V1)	Variable Items	isced	single- choice	 - ISCED 0 - ISCED 1 - ISCED 2 - ISCED 3 - ISCED 4 - ISCED 5 - ISCED 6 	- 0 - 1 - 2 - 3 - 4 - 5 - 6	PDS
Is the partner/spouse the same person as at visit 1	THD (V3)	Variable Items	maritalstatuspers	boolean	- no - yes	- 0 - 1	
Are you currently participating in a clinical drug trial	THD (V3,V4)	Variable Items	cltrial	boolean	- no - yes	- 0	Available upon SRC approval
Subject group	THD (V3,V4)	Variable Items	sgroup_thd	single- choice	 control subject premanifest gene carrier 	- 0 - 1	PDS

1					- early-HD	- 2	
Relation to subject	THD (V3)	Variable Items	relation_ thd_v3	single- choice	- sibling/non-gene carrier	- 1	
					 partner/spouse of pre- HD subject 	- 2	
					 partner/spouse of early- HD subject 	- 3	
Missing highest degree been collected at Visit 2	THD (V3)	Variable Items	check_he_ v2	boolean			Not
What is the highest degree that you have completed? (V2)	THD (V3)	Variable Items	highest_education_v2	text			Available
Is the partner/spouse					 no, different to all previous visits 	- 0	
the same person	THD (V4)	Variable Items	samepartner	single- choice	- yes, same at all visits	- 1	
as at all previous visits Partner in		Variable			 no, same at some previous visits 	- 2	
					- no	- 0	
previous visit - visit 1	THD (V4)	Items	samepartnervisits1	samepartnervisits1 boolean	- yes	- 1	PDS
Partner in		Variable			- no	- 0	
previous visit - visit 2	THD (V4)	Items	samepartnervisits2	boolean	- yes	- 1	
Partner in		Variable			- no	- 0	
previous visit - visit 3	THD (V4)	Items	samepartnervisits 3	boolean	- yes	- 1	
			relation		 sibling/non-gene carrier 	- 1	

Relation to subject	THD (V4); TON (V1,V2,V3)	Variable Items		single- choice	 cohabiting partner/spouse of pre-HD subject cohabiting partner/spouse of early-HD subject 	- 2 - 3	
Signature of subject for V4	THD (V4)	Variable Items	signpv4	boolean	- no	- 0	Not Available
Visit day	THD (V4)	Variable Items	svstdy	number	- yes	- 1	
					 control subject premanifest gene carrier 	- 1	
Subject group	TON (V1,V2,V3)	Variable Items	sgroup_ton	single- choice	- control subject (TRACK- HD)	- 3	
					 premanifest gene carrier (TRACK-HD) 	- 4	
Do you have a					- no	- 0	
companion who will be completing questionnaires?	TON (V1,V2,V3)	Variable Items	qscmp	boolean	- yes	- 1	PDS
Is it the same					 no, different to all previous visits 	- 0	
companion as at all previous	TON (V1,V2,V3)	Variable Items	cmpvs	single- choice	- yes, same at all visits	- 1	
TRACK-HD visits?	(V1,V2,V3)	items		Choice	 no, same at some previous visits 	- 2	
Specify previous		Variable			- no	- 0	
TRACK-HD visit(s) - visit 1	TRACK-HD visit(s) TON (V1) Items cm	cmpvsn1	boolean	- yes	- 1		
	TON (V1)		cmpvsn2	boolean	- no	- 0	

Specify previous TRACK-HD visit(s) - visit 2		Variable Items			- yes	- 1	
Specify previous TRACK-HD visit(s) - visit 3	TON (V1)	Variable Items	cmpvsn3	boolean	- no - yes	- 0 - 1	
Specify previous TRACK-HD visit(s) - visit 4	TON (V1)	Variable Items	cmpvsn4	boolean	- no - yes	- 0 - 1	
ls informant	TON (V1,V2,V3)	Variable Items	cmpstat	single- choice	 spouse or partner parent sibling child other relative friend or neighbour professional care worker other 	- 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8	
ls informant a household	TON (V1,V2,V3)	Variable Items	cmphh	single- choice	 household member (i.e. relative or friend who lives with subject) not a household member but has frequent contact with subject (most days) 	- 1 - 2	
member?					 not a household member and sees subject less than three or four times a week staff of residential care 	- 3	
				<u> </u>	home or hospital	- 4	
Signature of companion if	TON (V1,V2,V3)	Variable Items	cmpsg	boolean	- no	- 0	Not Available

completing companion questionnaires?					- yes	- 1	
Disease Burden Score	TON (V1,V2,V3)	Variable Items	dbscore	number			
Known history of epilepsy	TON (V2,V3)	Variable Items	ec1	boolean	- no - yes	- 0 - 1	
Concomitant					- no	- 0	
significant neurological disorder	TON (V2,V3)	Variable Items	ec2	boolean	- yes	- 1	
Concomitant		Variable	_		- no	- 0	
significant medical illness	TON (V2,V3)	Items	ec3	boolean	- yes	- 1	
History of		Variable			- no	- 0	PDS
significant head injury	TON (V2,V3)	Items	ec4	boolean	- yes	- 1	
Predictable non-					- no	- 0	
compliance by drug and/or alcohol abuse	TON (V2,V3)	Variable Items	ec5	boolean	- yes	- 1	
Significant hand					- no	- 0	
injuries that preclude either writing or rapid computerized responding	TON (V2,V3)	Variable Items	есб	boolean	- yes	- 1	
Currently participating in a clinical drug trial	TON (V2,V3)	Variable Items	ec7	boolean	- no	- 0	Available upon SRC approval
					- yes	- 1	

Subject is	TON (V2,V3)	Variable Items	eligible	single- choice	 no longer eligible still eligible 	- 0	
Had the HD					- no	- 0	Not
History form been updated to the current status?	TON (V2,V3)	Variable Items	hdcccheck	boolean - yes - 1		Available	
Is it the same					- no	- 0	
companion as at Track-On HD visit 1?	TON (V2)	Variable Items	cmpvston	boolean	- yes	- 1	
					- ISCED 0	- 0	
					- ISCED 1	- 1	
					- ISCED 2	- 2	
Current		March I.			- ISCED 3	- 3	
education level	TON (V3)	Variable Items	isced_2011	single- choice	- ISCED 4	- 4	
(ISCED 2011)		items		choice	- ISCED 5	- 5	PDS
					- ISCED 6	- 6	
					- ISCED 7	- 7	
					- ISCED 8	- 8	
Is it the same companion as at) (a sia b la			 no, different to all previous visits 	- 0	
all previous	TON (V3)	Variable Items	cmpyston all	single- choice	- yes, same at all visits	- 1	
Track-On HD visits?		items		CHOICE	 no, same at some previous visits 	- 2	

5.4 **Data file "oculomotor"**

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Recoded HDID	THD (V1,V2,V3,V4); TON (V1,V2)	Key Vars	subjid	text				DDC
Study ID	THD (V1,V2,V3,V4); TON (V1,V2)	Key Vars	studyid	text				PDS
Visit Number	THD (V1,V2,V3,V4); TON (V1,V2)	Key Vars	visitnum	number				
Form Number	THD (V1,V2,V3,V4); TON (V1,V2)	Key Vars	nr	number				Not Available
Row Number	THD (V1,V2,V3,V4); TON (V1,V2)	Key Vars	enr	number				
Visit	THD (V1,V2,V3,V4); TON (V1,V2)	Key Vars	visit	text				PDS
Site Index (per subject & study)	THD (V1,V2,V3,V4); TON (V1,V2)	Key Vars	seq	number				203
Visit Date	THD (V1,V2,V3,V4); TON (V1,V2)	Key Vars	visdat	date				Not Available
Day of visit (ref. to baseline)	THD (V1,V2,V3,V4); TON (V1,V2)	Key Vars	visdy	number				
Visit Status	THD (V1,V2,V3,V4); TON (V1,V2)	Key Vars	visstat	text	 editing plausible signed reviewing 			PDS

_	 _	 		_	
			- completed		
			- checked		

5.4.1 Form "Oculomotor"

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability
LatencyMeter File (LDF)	THD (V1,V2,V3,V4); TON (V1,V2)	Oculomotor	ldffile	text				
Oculomotor Analysis File	THD (V1,V2,V3,V4); TON (V1,V2)	Oculomotor	oculomcsv	text				Not Available
Import Report	THD (V1,V2,V3,V4); TON (V1,V2)	Oculomotor	oab_import_ report	text				
Oculomotor					- no	- 0		
Analysis File successfully uploaded and imported:	TON (V1)	Oculomotor	oculomotorcsvsuccess	boolean	- yes	- 1		
Saccades Accepted	TON (V1)	Oculomotor	асс	number				
Error rate	TON (V1)	Oculomotor	err	number				PDS
Latency Median	TON (V1)	Oculomotor	latmed	number				PDS
Latency Standard Deviation	TON (V1)	Oculomotor	latsd	number				
Duration Mean	TON (V1)	Oculomotor	durmn	number				
Duration Standard Deviation	TON (V1)	Oculomotor	dursd	number				

Mean Velocity Mean	TON (V1)	Oculomotor	mvelmn	number			
Mean Velocity Standard Deviation	TON (V1)	Oculomotor	mvelsd	number			
Amplitude Mean	TON (V1)	Oculomotor	ampmn	number			
Amplitude Standard Deviation	TON (V1)	Oculomotor	ampsd	number			
Velocity Function Slope	TON (V1)	Oculomotor	velsl	number			
Velocity Function Intercept	TON (V1)	Oculomotor	velin	number			
LATER model mu	TON (V1)	Oculomotor	latmu	number			
LATER model sigma	TON (V1)	Oculomotor	latsig	number			
LATER model sigma epsilon	TON (V1)	Oculomotor	latse	number			
Protocol	THD (V1,V2,V3,V4); TON (V1,V2)	Oculomotor	protocol	single- choice	- CON - THD - TON	- CON	
Session	THD (V1,V2,V3,V4); TON (V1,V2)	Oculomotor	session	text			Not
Comment	THD (V1,V2,V3,V4); TON (V1,V2)	Oculomotor	comment	text			Available
Ishihara RGcb	THD (V1)	Oculomotor	rgcb	boolean	- no - yes	- 0 - 1	PDS

Recorded trials - CONTOTAL	THD (V1,V2,V3,V4)	Oculomotor	trct	number		
Recorded trials - CON1	THD (V1,V2,V3,V4)	Oculomotor	trc1	number		
Recorded trials - CON2	THD (V1,V2,V3,V4)	Oculomotor	trc2	number		
Recorded trials - CON3	THD (V1,V2,V3,V4)	Oculomotor	trc3	number		
Recorded trials - PRO	THD (V1,V2,V3,V4)	Oculomotor	trpr	number		
Recorded trials - TOTAL	THD (V1,V2,V3,V4)	Oculomotor	trt	number		
Accepted trials - CONTOTAL	THD (V1,V2,V3,V4)	Oculomotor	act	number		
Accepted trials - CON1	THD (V1,V2,V3,V4)	Oculomotor	ac1	number		
Accepted trials - CON2	THD (V1,V2,V3,V4)	Oculomotor	ac2	number		
Accepted trials - CON3	THD (V1,V2,V3,V4)	Oculomotor	ac3	number		
Accepted trials - PRO	THD (V1,V2,V3,V4)	Oculomotor	apr	number		
Accepted trials - TOTAL	THD (V1,V2,V3,V4)	Oculomotor	at	number		
Accepted trials - %	THD (V1,V2,V3,V4)	Oculomotor	ар	number		
LATENCY total (med) - CONTOTAL	THD (V1,V2,V3,V4)	Oculomotor	ltmct	number		
LATENCY total (med) - CON1	THD (V1,V2,V3,V4)	Oculomotor	ltmc1	number		

LATENCY total (med) - CON2	THD (V1,V2,V3,V4)	Oculomotor	ltmc2	number		
LATENCY total (med) - CON3	THD (V1,V2,V3,V4)	Oculomotor	ltmc3	number		
LATENCY total (med) - PRO	THD (V1,V2,V3,V4)	Oculomotor	ltmpr	number		
LATENCY total (SD) - CONTOTAL	THD (V1,V2,V3,V4)	Oculomotor	ltsct	number		
LATENCY total (SD) - CON1	THD (V1,V2,V3,V4)	Oculomotor	ltsc1	number		
LATENCY total (SD) - CON2	THD (V1,V2,V3,V4)	Oculomotor	ltsc2	number		
LATENCY total (SD) - CON3	THD (V1,V2,V3,V4)	Oculomotor	ltsc3	number		
LATENCY total (SD) - PRO	THD (V1,V2,V3,V4)	Oculomotor	ltspr	number		
LATENCY pro (med) - CONTOTAL	THD (V1,V2,V3,V4)	Oculomotor	lpmct	number		
LATENCY pro (med) - CON1	THD (V1,V2,V3,V4)	Oculomotor	lpmc1	number		
LATENCY pro (med) - CON2	THD (V1,V2,V3,V4)	Oculomotor	lpmc2	number		
LATENCY pro (med) - CON3	THD (V1,V2,V3,V4)	Oculomotor	lpmc3	number		
LATENCY pro (SD) - CONTOTAL	THD (V1,V2,V3,V4)	Oculomotor	lpsct	number		
LATENCY pro (SD) - CON1	THD (V1,V2,V3,V4)	Oculomotor	lpsc1	number		

LATENCY pro (SD) - CON2	THD (V1,V2,V3,V4)	Oculomotor	lpsc2	number		
LATENCY pro (SD) - CON3	THD (V1,V2,V3,V4)	Oculomotor	lpsc3	number		
LATENCY anti (med) - CONTOTAL	THD (V1,V2,V3,V4)	Oculomotor	lamct	number		
LATENCY anti (med) - CON1	THD (V1,V2,V3,V4)	Oculomotor	lamc1	number		
LATENCY anti (med) - CON2	THD (V1,V2,V3,V4)	Oculomotor	lamc2	number		
LATENCY anti (med) - CON3	THD (V1,V2,V3,V4)	Oculomotor	lamc3	number		
LATENCY anti (SD) - CONTOTAL	THD (V1,V2,V3,V4)	Oculomotor	lasct	number		
LATENCY anti (SD) - CON1	THD (V1,V2,V3,V4)	Oculomotor	lasc1	number		
LATENCY anti (SD) - CON2	THD (V1,V2,V3,V4)	Oculomotor	lasc2	number		
LATENCY anti (SD) - CON3	THD (V1,V2,V3,V4)	Oculomotor	lasc3	number		
VELOCITY total (med) - CONTOTAL	THD (V1,V2,V3,V4)	Oculomotor	vtmct	number		
VELOCITY total (med) - CON1	THD (V1,V2,V3,V4)	Oculomotor	vtmc1	number		
VELOCITY total (med) - CON2	THD (V1,V2,V3,V4)	Oculomotor	vtmc2	number		
VELOCITY total (med) - CON3	THD (V1,V2,V3,V4)	Oculomotor	vtmc3	number		

VELOCITY total (med) - PRO	THD (V1,V2,V3,V4)	Oculomotor	vtmpr	number		
VELOCITY total (SD) - CONTOTAL	THD (V1,V2,V3,V4)	Oculomotor	vtsct	number		
VELOCITY total (SD) - CON1	THD (V1,V2,V3,V4)	Oculomotor	vtsc1	number		
VELOCITY total (SD) - CON2	THD (V1,V2,V3,V4)	Oculomotor	vtsc2	number		
VELOCITY total (SD) - CON3	THD (V1,V2,V3,V4)	Oculomotor	vtsc3	number		
VELOCITY total (SD) - PRO	THD (V1,V2,V3,V4)	Oculomotor	vtspr	number		
VELOCITY pro (med) - CONTOTAL	THD (V1,V2,V3,V4)	Oculomotor	vpmct	number		
VELOCITY pro (med) - CON1	THD (V1,V2,V3,V4)	Oculomotor	vpmc1	number		
VELOCITY pro (med) - CON2	THD (V1,V2,V3,V4)	Oculomotor	vpmc2	number		
VELOCITY pro (med) - CON3	THD (V1,V2,V3,V4)	Oculomotor	vpmc3	number		
VELOCITY pro (SD) - CONTOTAL	THD (V1,V2,V3,V4)	Oculomotor	vpsct	number		
VELOCITY pro (SD) - CON1	THD (V1,V2,V3,V4)	Oculomotor	vpsc1	number		
VELOCITY pro (SD) - CON2	THD (V1,V2,V3,V4)	Oculomotor	vpsc2	number		
VELOCITY pro (SD) - CON3	THD (V1,V2,V3,V4)	Oculomotor	vpsc3	number		

VELOCITY anti (med) - CONTOTAL	THD (V1,V2,V3,V4)	Oculomotor	vamct	number		
VELOCITY anti (med) - CON1	THD (V1,V2,V3,V4)	Oculomotor	vamc1	number		
VELOCITY anti (med) - CON2	THD (V1,V2,V3,V4)	Oculomotor	vamc2	number		
VELOCITY anti (med) - CON3	THD (V1,V2,V3,V4)	Oculomotor	vamc3	number		
VELOCITY anti (SD) - CONTOTAL	THD (V1,V2,V3,V4)	Oculomotor	vasct	number		
VELOCITY anti (SD) - CON1	THD (V1,V2,V3,V4)	Oculomotor	vasc1	number		
VELOCITY anti (SD) - CON2	THD (V1,V2,V3,V4)	Oculomotor	vasc2	number		
VELOCITY anti (SD) - CON3	THD (V1,V2,V3,V4)	Oculomotor	vasc3	number		
ERROR total (%) - CONTOTAL	THD (V1,V2,V3,V4)	Oculomotor	etpct	number		
ERROR total (%) - CON1	THD (V1,V2,V3,V4)	Oculomotor	etpc1	number		
ERROR total (%) - CON2	THD (V1,V2,V3,V4)	Oculomotor	etpc2	number		
ERROR total (%) - CON3	THD (V1,V2,V3,V4)	Oculomotor	etpc3	number		
ERROR total (%) - PRO	THD (V1,V2,V3,V4)	Oculomotor	etppr	number		
ERROR pro (%) - CONTOTAL	THD (V1,V2,V3,V4)	Oculomotor	eppct	number		
ERROR pro (%) - CON1	THD (V1,V2,V3,V4)	Oculomotor	eppc1	number		

ERROR pro (%) - CON2	THD (V1,V2,V3,V4)	Oculomotor	eppc2	number			
ERROR pro (%) - CON3	THD (V1,V2,V3,V4)	Oculomotor	eppc3	number			
ERROR anti (%) - CONTOTAL	THD (V1,V2,V3,V4)	Oculomotor	eapct	number			
ERROR anti (%) - CON1	THD (V1,V2,V3,V4)	Oculomotor	eapc1	number			
ERROR anti (%) - CON2	THD (V1,V2,V3,V4)	Oculomotor	eapc2	number			
ERROR anti (%) - CON3	THD (V1,V2,V3,V4)	Oculomotor	eapc3	number			
Condition	THD (V1,V2,V3,V4)	Oculomotor	condition	single- choice	- ANTI - CON - PRO	- ANTI	Not Available
Snellen Acuity 20/200 - 100% Chart	THD (V3)	Oculomotor	count_100_1	number			
Snellen Acuity 20/160 - 100% Chart	THD (V3)	Oculomotor	count_100_2	number			
Snellen Acuity 20/125 - 100% Chart	THD (V3)	Oculomotor	count_100_3	number			PDS
Snellen Acuity 20/100 - 100% Chart	THD (V3)	Oculomotor	count_100_4	number			
Snellen Acuity 20/80 - 100% Chart	THD (V3)	Oculomotor	count_100_5	number			

Snellen Acuity 20/64 - 100% Chart	THD (V3)	Oculomotor	count_100_6	number		
Snellen Acuity 20/50 - 100% Chart	THD (V3)	Oculomotor	count_100_ 7	number		
Snellen Acuity 20/40 - 100% Chart	THD (V3)	Oculomotor	count_100_ 8	number		
Snellen Acuity 20/32 - 100% Chart	THD (V3)	Oculomotor	count_100_9	number		
Snellen Acuity 20/25 - 100% Chart	THD (V3)	Oculomotor	count_100_ 10	number		
Snellen Acuity 20/20 - 100% Chart	THD (V3)	Oculomotor	count_100_ 11	number		
Snellen Acuity 20/16 - 100% Chart	THD (V3)	Oculomotor	count_100_ 12	number		
Snellen Acuity - Total Correct - 100% Chart	THD (V3)	Oculomotor	count_100_ total	number		
Snellen Acuity 20/200 - 2.5% Chart	THD (V3)	Oculomotor	count_25_1	number		
Snellen Acuity 20/160 - 2.5% Chart	THD (V3)	Oculomotor	count_25_ 2	number		
Snellen Acuity 20/125 - 2.5% Chart	THD (V3)	Oculomotor	count_25_3	number		

Snellen Acuity 20/100 - 2.5% Chart	THD (V3)	Oculomotor	count_25_4	number		
Snellen Acuity 20/80 - 2.5% Chart	THD (V3)	Oculomotor	count_25_5	number		
Snellen Acuity 20/64 - 2.5% Chart	THD (V3)	Oculomotor	count_25_ 6	number		
Snellen Acuity 20/50 - 2.5% Chart	THD (V3)	Oculomotor	count_25_ 7	number		
Snellen Acuity 20/40 - 2.5% Chart	THD (V3)	Oculomotor	count_25_8	number		
Snellen Acuity 20/32 - 2.5% Chart	THD (V3)	Oculomotor	count_25_9	number		
Snellen Acuity 20/25 - 2.5% Chart	THD (V3)	Oculomotor	count_25_ 10	number		
Snellen Acuity 20/20 - 2.5% Chart	THD (V3)	Oculomotor	count_25_ 11	number		
Snellen Acuity 20/16 - 2.5% Chart	THD (V3)	Oculomotor	count_25_ 12	number		
Snellen Acuity - Total Correct - 2.5% Chart	THD (V3)	Oculomotor	count_25_ total	number		
Snellen Acuity 20/200 - 1.25% Chart	THD (V3)	Oculomotor	count_125_1	number		

Snellen Acuity 20/160 - 1.25% Chart	THD (V3)	Oculomotor	count_125_ 2	number		
Snellen Acuity 20/125 - 1.25% Chart	THD (V3)	Oculomotor	count_125_3	number		
Snellen Acuity 20/100 - 1.25% Chart	THD (V3)	Oculomotor	count_125_4	number		
Snellen Acuity 20/80 - 1.25% Chart	THD (V3)	Oculomotor	count_125_ 5	number		
Snellen Acuity 20/64 - 1.25% Chart	THD (V3)	Oculomotor	count_125_6	number		
Snellen Acuity 20/50 - 1.25% Chart	THD (V3)	Oculomotor	count_125_ 7	number		
Snellen Acuity 20/40 - 1.25% Chart	THD (V3)	Oculomotor	count_125_ 8	number		
Snellen Acuity 20/32 - 1.25% Chart	THD (V3)	Oculomotor	count_125_9	number		
Snellen Acuity 20/25 - 1.25% Chart	THD (V3)	Oculomotor	count_125_ 10	number		
Snellen Acuity 20/20 - 1.25% Chart	THD (V3)	Oculomotor	count_125_ 11	number		
Snellen Acuity 20/16 - 1.25% Chart	THD (V3)	Oculomotor	count_125_12	number		

Snellen Acuity - Total Correct - 1.25% Chart	THD (V3)	Oculomotor	count_125_ total	number			
					20/200	- 1	
					- 20/160	- 2	
					- 20/125	- 3	
					- 20/100	- 4	
Snellen visual					- 20/80	- 5	
acuity	THD (V3)	Oculomotor	snellenvae	single-	- 20/64	- 6	
equivalent	100 (V3)	Oculomotor	shellenvae	choice	- 20/50	- 7	
equivalent					- 20/40	- 8	
					- 20/32	- 9	
					- 20/25	- 10	
					- 20/20	- 11	
					- 20/16	- 12	

5.5 **Data file "mri_aquisitions"**

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Recoded HDID	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Key Vars	subjid	text				DDC
Study ID	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Key Vars	studyid	text				PDS
Visit Number	THD (V1,V2,V3,V4);	Key Vars	visitnum	number				Not Available

	TON (V1,V2,V3)						
Form Number	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Key Vars	nr	number			
Row Number	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Key Vars	enr	number			
Visit	TON (V1,V2,V3)	Key Vars	visit	text			PDS
Visit Date	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Key Vars	visdat	date			Not Available
Day of visit (ref. to baseline)	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Key Vars	visdy	number			
Visit Status	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Key Vars	visstat	text	 editing plausible signed reviewing completed checked 		PDS
Form	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Key Vars	form	text	- MRI - MRI 1.5T - MRI 3T - fMRI QC - MRI DTI QC		

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Are data available for fMRI working	TON (V1,V2,V3)	MRI	data_memory	Boolean	- no	- 0		
memory task	(V1,V2,V3)				- yes	- 1		
Are data available for fMRI finger	TON (V1,V2,V3)	MRI	data_motor	Boolean	- no	- 0		PDS
tapping task					- yes	- 1		
Hand used for fMRI finger	TON	MRI	usedhand	single-	- right	- 1		
tapping task	(V1,V2,V3)			choice	- left	- 2		
Upload of entered MRI record form	TON (V1,V2,V3)	MRI	record	text				Not Available
Technologist's name	TON (V1,V2,V3)	MRI	tname	text				
Quality check	TON	MRI	tqc	single-	- good	- 1		PDS
Quality check	(V1,V2,V3)			choice	- poor	- 2		100
Comment	TON (V1,V2,V3)	MRI	tcomment	text				Not Available
Technologist has confirmed that the images have been acquired and quality	TON	MRI	tconfirm	boolean	- no	- 0		PDS
checked according to the Site Operations Guide	(V1,V2,V3)				- yes	- 1		

5.5.1 Form "Magnetic resonance imaging (MRI)"

Study ID	TON (V1,V2,V3)	MRI	stdyid	number			
Scan ID	TON (V1,V2,V3)	MRI	scanid	number			
Scan description	TON (V1,V2,V3)	MRI	scandesc	text			
Date of scan	TON (V1,V2,V3)	MRI	scandtc	date			Not Available
Date of scan	TON			single	- precision in days	- d	
(precision)	(V1,V2,V3)	MRI	scandtc prec	single- choice	- precision in months	- m	
(precision)				choice	- precision in years	- y	
Scan day	TON (V1,V2,V3)	MRI	scandy	number			PDS
Date of scan	TON			single	- precision in days	- d	
(precision)	(V1,V2,V3)	MRI	scandyprec	single- choice	- precision in months	- m	Not Available
(precision)	(V1,V2,V3)			CHOICE	- precision in years	- y	
No	TON (V1,V2,V3)	MRI	scanuplds	number			
					- unknown	- 0	
	TON	MRI	mrituna tan	single-	- MRI	- 1	
MRI type	(V1,V2,V3)	IVIRI	mritype_ton	choice	- fMRI 3	- 2	
					- DTI	- 3	
					- T1W	- 1	
					- T1W repeat	- 2	PDS
					- T2W	- 3	
					- Resting state	- 4	
Subtype	TON	MRI	subtype	single-	- Working memory task	- 5	
	(V1,V2,V3)			choice	- Motor task	- 6	
					- Practice	- 7	
					- Field mapping	- 8	
					- Generic	- 9	

					- NODDI	- 10	
					- CEST/MTR	- 11	
Attachment available	TON (V2,V3)	MRI	attachment	boolean	- no	- 0	Not Available
available	(v2,v3)				- yes	- 1	
	TON				- passed	- 1	
QC Status	TON (V1,V2,V3)	MRI	scanstatus	single- choice	- failed	- 2	PDS
	(V1,V2,V3)			choice	- deleted	- 3	
Radiologist's comment	TON (V1,V2,V3)	MRI	rcommentyn	boolean	- no	- 0	
available	(*1,*2,*3)				- yes	- 1	
Radiologist's name	TON (V1,V2,V3)	MRI	rname	text			
Date of read	TON (V1,V2,V3)	MRI	dtcread	date			
Date of read	TON			single-	- precision in days	- d	
(precision)	(V1,V2,V3)	MRI	dtcread prec	choice	- precision in months	- m	Not Available
				choice	- precision in years	- y	
Comment	TON (V1,V2,V3)	MRI	rcomment	text			
Radiologist has	TON				 the images are suitable for the Track-Hd study 	- 1	
confirmed that	(V1,V2,V3)	MRI	rconfirm	boolean	 the images are not suitable for the Track-HD study 	- 2	
	TON				- fail	- 0	
MRI QC	TON (V1,V2,V3)	MRI	mriqc	single- choice	- pass	- 1	PDS
	(V1,V2,V3)			CHOICE	- borderline	- 2	
MRI QC comment	TON (V1,V2,V3)	MRI	mriqccomment	text			Not Available

CEST/MTR QC	TON (V3)	MRI	cestmtrqc	single- choice	- fail - pass - borderline	- 0 - 1 - 2	PDS
CEST/MTR QC comment	TON (V1,V2,V3)	MRI	cestmtrqccomment	text			Not Available
				منعواه	- fail	- 0	
DTI QC	TON (V1,V2,V3)	MRI	dtiqc	single- choice	- pass	- 1	PDS
	(V1,V2,V3)			choice	- borderline	- 2	
Full DTI QC report upload	TON (V1,V2,V3)	MRI	dtiqcreport	text			Net Avribble
DTI QC comment	TON (V1,V2,V3)	MRI	dtiqccomment	text			— Not Available
					- fail	- 0	
fMRI QC	TON	MRI	fmriqc	single-	- pass	- 1	PDS
	(V1,V2)			choice	- borderline	- 2	
fMRI QC comment	TON (V1,V2,V3)	MRI	fmriqccomment	text			Not Available

5.5.2 Form "Magnetic resonance imaging (MRI 1.5T)"

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Technologist's name	THD (V1,V2)	MRI 1.5T	tname	text				Not Available
Ouglity shock THD			single-	- good	- 1		PDS	
Quality check	(V1,V2)	MRI 1.5T	tqc	choice	- poor	- 2		FD3
Comment	THD (V1,V2)	MRI 1.5T	tcomment	text				Not Available
Technologist has	THD		toonfirm	haalaan	- no	- 0		DDC
confirmed that (V1,V2)	MRI 1.5T	tconfirm	boolean	- yes	- 1		PDS	

the images have been acquired and quality checked according to the Site Operations Guide								
Radiologist's comment available	THD (V1,V2)	MRI 1.5T	rcommentyn	text	 no yes same as for 3T 	- 0 - 1 - 2		
Radiologist's name	THD (V1,V2)	MRI 1.5T	rname	text		- 2		
Date of read	THD (V1,V2)	MRI 1.5T	dtcread	date				Net
Date of read (precision)	THD (V1,V2)	MRI 1.5T	dtcreadprec	single- choice	 precision in days precision in months precision in years 	- d - m - y	-	Not Available
Comment	THD (V1,V2)	MRI 1.5T	rcomment	text		,		
Radiologist has	THD	MRI 1.5T	rconfirm	boolean	 the images are suitable for the Track-Hd study 	- 1		
confirmed that	(V1,V2)			boolean	 the images are not suitable for the Track-HD study 	- 2		
Quality control	THD			single-	- pass	- 1		
result	(V1,V2)	MRI 1.5T	resultsum	choice	- fail	- 2	4	PDS
					- borderline	- 3		
Full report upload	THD (V1,V2)	MRI 1.5T	fullreport	text				Not
QC comment	THD (V1,V2)	MRI 1.5T	qccomment	text				Available

MRI type	THD (V1,V2)	MRI 1.5T	mritype	single- choice	 - unknown - T1W - T1W repeat - T2W - DTI 	- 0 - 1 - 2 - 3 - 4		PDS
Scan description	THD (V1,V2)	MRI 1.5T	scandesc	text				
Date of scan	THD (V1,V2)	MRI 1.5T	scandtc	date				Not Available
Date of scan	тип	THD (V1,V2) MRI 1.5T		single-	- precision in days	- d	Available	
(precision)			scandtc prec	choice	- precision in months	- m		
				enoice	- precision in years	- y		
Scan day	THD (V1,V2)	MRI 1.5T	scandy	number				
Scan ID	THD (V1,V2)	MRI 1.5T	scanid	number				
	TUD				- passed	- 1		
QC Status	THD	MRI 1.5T	scanstatus	single-	- failed	- 2		PDS
	(V1,V2)			choice	- deleted	- 3		
No	THD (V1,V2)	MRI 1.5T	scanuplds	number				
Study ID	THD (V1,V2)	MRI 1.5T	stdyid	number				

5.5.3 Form "Magnetic resonance imaging (MRI 3T)"

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Technologist's name	THD (V1,V2,V3,V4)	MRI 3T	tname	text				Not Available

Quality check		MRI 3T	tqc	single- choice	- good	- 1	PDS	
Comment	(V1,V2,V3,V4) THD (V1,V2,V3,V4)	MRI 3T	tcomment	text	- poor	- 2	Not Available	
Technologist has confirmed that the images have been acquired	тно				- no	- 0	226	
and quality checked according to the Site Operations Guide	(V1,V2,V3,V4)	MRI 3T	tconfirm	boolean	- yes	- 1	PDS	
Radiologist's comment	THD (V1,V2,V3,V4)	MRI 3T	rcommentyn	boolean	- no	- 0		
available Radiologist's name	THD (V1,V2,V3,V4)	MRI 3T	rname	text	- yes	- 1		
Date of read	THD (V1,V2,V3,V4)	MRI 3T	dtcread	date				
Date of read (precision)	THD (V1,V2,V3,V4)	MRI 3T	dtcread prec	single- choice	 precision in days precision in months precision in years 	- d - m - y	Not Available	
Comment	THD (V1,V2,V3,V4)	MRI 3T	rcomment	text	, , ,	,		
Padialogist bas					 the images are suitable for the Track-Hd study 	- 1		
Radiologist has confirmed that	THD (V1,V2,V3,V4)	MRI 3T	rconfirm	boolean	- the images are not suitable for the Track-HD - 2 study			
		MRI 3T	resultsum		- pass	- 1	PDS	

Quality control result	THD (V1,V2,V3,V4)			single- choice	- fail - borderline	- 2 - 3	
Full report upload	THD (V1,V2,V3,V4)	MRI 3T	fullreport	text			Not
QC comment	THD (V1,V2,V3,V4)	MRI 3T	qccomment	text			Available

5.5.4 Form "Magnetic resonance imaging (fMRI QC)"

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Study ID	TON (V3)	F-MRI QC	stdyid	text				PDS
Scan ID	TON (V3)	F-MRI QC	scanid	number				PDS
Scan description	TON (V3)	F-MRI QC	scandesc	text				
Date of scan	TON (V3)	F-MRI QC	scandtc	date				Not Available
Date of scan (precision)	TON (V3)	F-MRI QC	scandtc prec	single- choice	 precision in days precision in months precision in years 	- d - m - y		Available
Scan day	TON (V3)	F-MRI QC	scandy	number				DDC
No	TON (V3)	F-MRI QC	scanuplds	number				PDS
					- unknown	- 0		
MRI type (THD)	TON (V3)	F-MRI QC	mritype_thd	single- choice	- T1W	- 1		Not Available
	(03)			choice	- T1W repeat	- 2		Available
					- T2W	- 3		

					- DTI	- 4	
	TON			ain ala	- passed	- 1	
QC Status	TON (V3)	F-MRI QC	scanstatus	single- choice	- failed	- 2	PDS
	(03)	QC		choice	- deleted	- 3	
fMRI QC comment	TON (V3)	F-MRI QC	fmriqccomment	text			Not Available
	TON	5 M DI			- fail	- 0	
RS fMRI QC	(V3)	TON F-MRI (V3) QC	rsfmriqc	single- choice	- pass	- 1	PDS
	(V3)	QC		choice	- borderline	- 2	
RS fMRI QC comment	TON (V3)	F-MRI QC	rsfmriqccomment	text			Not Available
	TON	5 1 4 1			- fail	- 0	
TF fMRI QC	TON (V3)	F-MRI QC	tfmriqc	single- choice	- pass	- 1	PDS
	(V3)	QC		choice	- borderline	- 2	

5.5.5 Form "Magnetic resonance imaging (MRI DTI QC)"

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Study ID	THD (V1,V2,V3,V4)	MRI DTI QC	stdyid	number				PDS
Scan ID	THD (V1,V2,V3,V4)	MRI DTI QC	scanid	number				PDS
Scan description	THD (V1,V2,V3,V4)	MRI DTI QC	scandesc	text				
Date of scan	THD (V1,V2,V3,V4)	MRI DTI QC	scandtc	date				Not Available
Data of coor	TUD			منعواه	- precision in days	- d		Available
		MRI DTI QC	scandtc prec	single- choice	- precision in months	- m		
(precision)				choice	- precision in years	- y		

Scan day	THD (V1,V2,V3,V4)	MRI DTI QC	scandy	number			PDS
Date of scan (precision)	THD (V1,V2,V3,V4)	MRI DTI QC	scandyprec	single- choice	 precision in days precision in months precision in years 	- d - m - y	Not Available
No	THD (V1,V2,V3,V4)	MRI DTI QC	scanuplds	number			
					- unknown	- 0	
	TUD			single- choice - T1W repeat - T2W	- T1W	- 1	
MRI type	THD (V1,V2,V3,V4)	MRI DTI QC	mritype		- T1W repeat	- 2	
	(V1,V2,V3,V4)				- 3		
					- DTI	- 4	PDS
	TUD			ain al a	- passed	- 1	
QC Status	THD (V1,V2,V3,V4)	MRI DTI QC	scanstatus	single- choice	- failed	- 2	
	(V1,V2,V3,V4)	QC		choice	- deleted	- 3	
Quality sentral				ain al a	- pass	- 1	
Quality control result	THD (V3,V4)	MRI DTI QC	resultsum	single- choice	- fail	- 2	
result		QC		choice	- borderline	- 3	
Full report upload	THD (V1,V2,V3,V4)	MRI DTI QC	fullreport	text			Not
QC comment	THD (V1,V2,V3,V4)	MRI DTI QC	qccomment	text			Available

5.6 **Data file "mri_morphometrics"**

Label	Study	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Recoded HDID		Key Vars	subjid	text				PDS
Study ID		Key Vars	studyid	text				PDS

5.6.1 Form "Morphometric"

Label	Study	Form	Variable	Туре	Parameter	Coding	Unit	Availability
MIDAS scan ID 1	THD, TON	Morphometric	scan_1	number				
MIDAS scan ID 2	THD, TON	Morphometric	scan_2	number				
MIDAS scan ID 3	THD, TON	Morphometric	scan_3	number				
MIDAS scan ID 4	THD	Morphometric	scan_4	number				
Visit 1 Scan date	THD, TON	Morphometric	scandate_1	date				Not
Visit 2 Scan date	THD, TON	Morphometric	scandate_2	date				Available
Visit 3 Scan date	THD, TON	Morphometric	scandate_3	date				
Visit 4 Scan date	THD	Morphometric	scandate_4	date				
Visit 1 Study site	TON	Morphometric	study_site_ 1	text				
Visit 2 Study site	TON	Morphometric	study_site_ 2	text				
Visit 3 Study site	TON	Morphometric	study_site_ 3	text				
Scan day at Visit 1	THD, TON	Morphometric	scandy_1	number				
Scan day at Visit 2	THD, TON	Morphometric	scandy_2	number				
Scan day at Visit 3	THD, TON	Morphometric	scandy_3	number				PDS
Scan day at Visit 4	THD	Morphometric	scandy_4	number				
Brain volume at visit 1 generated by UCL's semi-	THD, TON	Morphometric	brain_1	number			cm ³	

automated MIDAS software							
Brain volume at visit 2 generated by UCL's semi- automated MIDAS software	THD, TON	Morphometric	brain_2	number		cm ³	
Brain volume at visit 3 generated by UCL's semi- automated MIDAS software	THD, TON	Morphometric	brain_3	number		cm ³	
Brain volume at visit 4 generated by UCL's semi- automated MIDAS software	THD	Morphometric	brain_4	number		cm ³	
BBSI brain change visit 2 to 1 (BBSI = brain boundary shift integral)	THD, TON	Morphometric	bbsi_2_1	number		cm³	
BBSI brain change visit 3 to 1	THD, TON	Morphometric	bbsi_3_1	number		cm ³	
BBSI brain change visit 4 to 1	THD, TON	Morphometric	bbsi_4_1	number		cm³	
BBSI brain change visit 3 to 2	THD, TON	Morphometric	bbsi_3_2	bumber		cm³	

BBSI brain change visit 4 to 2	THD	Morphometric	bbsi_4_2	number		cm³	
BBSI brain change visit 4 to 3	THD	Morphometric	bbsi_4_3	number		cm ³	
Caudate volume at visit 1 generated by UCL's semi- automated MIDAS software	THD, TON	Morphometric	caudate_1	number		cm ³	
Caudate volume at visit 2 generated by UCL's semi- automated MIDAS software	THD	Morphometric	caudate_2	number		cm³	
Caudate volume at visit 3	THD	Morphometric	caudate_3	number		cm³	
Caudate volume at visit 1 generated by IOWA's BRAINS software	THD, TON	Morphometric	caudate_iowa_1	number		cm ³	
Caudate volume at visit 2 generated by IOWA's BRAINS software	THD, TON	Morphometric	caudate_iowa_2	number		cm ³	Available upon SRC approval
Caudate volume at visit 3 generated by	THD, TON	Morphometric	caudate_iowa_3	number		cm ³	

IOWA's BRAINS software							
Caudate volume at visit 4 generated by IOWA's BRAINS software	THD	Morphometric	caudate_iowa_4	number		cm ³	
CBSI caudate change visit2 to 1 (CBSI = caudate boundary shift integral)	THD, TON	Morphometric	cbsi_2_1	number		cm ³	
CBSI caudate change visit3 to 1	THD, TON	Morphometric	cbsi_3_1	number		cm ³	
CBSI caudate change visit4 to 1	THD	Morphometric	cbsi_4_1	numnber		cm ³	
CBSI caudate change visit3 to 2	THD	Morphometric	cbsi_3_2	number		cm ³	PDS
CBSI caudate change visit4 to 2	THD	Morphometric	cbsi_4_2	number		cm ³	
CBSI caudate change visit4 to 3	THD	Morphometric	cbsi_4_3	number		cm³	
ventricular volume at visit 1 generated by UCL's semi- automated MIDAS software	THD, TON	Morphometric	vents_1	number		cm ³	

ventricular volume at visit 2 generated by UCL's semi- automated MIDAS software	THD, TON	Morphometric	vents_2	number		cm ³	
ventricular volume at visit 3 generated by UCL's semi- automated MIDAS software	THD, TON	Morphometric	vents_3	number		cm ³	
ventricular volume at visit 4 generated by UCL's semi- automated MIDAS software	THD	Morphometric	vents_4	number		cm ³	
VBSI ventricular change visit 2 to 1 (VBSI = ventricular boundary shift integral)	THD, TON	Morphometric	vbsi_2_1	number		cm ³	
VBSI ventricular change visit 3 to 1	THD, TON	Morphometric	vbsi_3_1	number		cm³	
VBSI ventricular change visit 3 to 2	THD, TON	Morphometric	vbsi_3_2	number		cm³	
VBSI ventricular change visit 4 to 1	THD	Morphometric	vbsi_4_1	number		cm³	

VBSI ventricular change visit 4 to 2	THD	Morphometric	vbsi_4_2	number		cm³	
VBSI ventricular change visit 4 to 3	THD	Morphometric	vbsi_4_3	number		cm³	
Grey matter volume at visit 1 measured using SPM's voxel- based morphometry	THD, TON	Morphometric	gm_1	number		cm ³	
Grey matter volume at visit 2 measured using SPM's voxel- based morphometry	THD, TON	Morphometric	gm_2	number		cm ³	
Grey matter volume at visit 3 measured using SPM's voxel- based morphometry	THD, TON	Morphometric	gm_3	number		cm ³	
Grey matter change visit 2 to 1 (change generated by convolution of voxel- compression maps and VBM GM maps.)	THD, TON	Morphometric	gm_2_1	number		cm³	

Grey matter change visit 3 to 2	THD, TON	Morphometric	gm_3_2	number		cm³	
Grey matter change visit 4 to 3	THD	Morphometric	gm_4_3	number		cm³	
White matter volume at visit 1 measured using SPM's voxel- based morphometry	THD, TON	Morphometric	wm_1	number		cm ³	
White matter volume at visit 2 measured using SPM's voxel- based morphometry	THD, TON	Morphometric	wm_2	number		cm ³	
White matter volume at visit 3 measured using SPM's voxel- based morphometry	THD, TON	Morphometric	wm_3	number		cm ³	
White matter change visit 2 to 1 (change generated by convolution of voxel- compression maps and VBM GM maps)	THD, TON	Morphometric	wm_2_1	number		cm ³	

White matter change visit 3 to 2	THD, TON	Morphometric	wm_3_2	number		cm³	
White matter change visit 4 to 3	THD	Morphometric	wm_4_3	number		cm³	
intracranial volume generated by UCL's semi- automated MIDAS software	TON	Morphometric	icv_ucl	number		cm ³	
intracranial volume at visit 1 measured using Iowa BRAINS software	THD, TON	Morphometric	icv_iowa_1	number		cm ³	
intracranial volume at visit 2 measured using Iowa BRAINS software	THD, TON	Morphometric	icv_iowa_ 2	number		cm³	
intracranial volume at visit 3 measured using Iowa BRAINS software	THD, TON	Morphometric	icv_iowa_ 3	number		cm³	
intracranial volume at visit 4 measured using Iowa BRAINS software	THD	Morphometric	icv_iowa_ 4	number		cm³	

Putamen volume at visit 1 measured using Iowa BRAINS software	THD, TON	Morphometric	putamen_1	number		cm³	
Putamen volume at visit 2 measured using Iowa BRAINS software	THD, TON	Morphometric	putamen_2	number		cm ³	
Putamen volume at visit 3 measured using Iowa BRAINS software	THD, TON	Morphometric	putamen_3	number		cm³	
Putamen volume at visit 4 measured using Iowa BRAINS software	THD	Morphometric	putamen_4	number		cm ³	
Thalamus volume at visit 1	THD, TON	Morphometric	thalamus_1	number		cm³	
Thalamus volume at visit 2	THD, TON	Morphometric	thalamus_ 2	number		cm ³	Available
Thalamus volume at visit 3	THD, TON	Morphometric	thalamus_ 3	number		cm ³	upon SRC approval
Thalamus volume at visit 4	THD	Morphometric	thalamus_4	number		cm ³	
Globus pallidus volume at visit 1	THD, TON	Morphometric	striatum_1	number		cm ³	

Globus pallidus volume at visit 2	THD, TON	Morphometric	striatum_ 2	number		cm³	
Globus pallidus volume at visit 3	THD, TON	Morphometric	striatum_3	number		cm ³	
Globus pallidus volume at visit 4	THD	Morphometric	striatum_4	number		cm ³	
Globus pallidus volume at visit 1	THD, TON	Morphometric	globus_1	number		cm ³	
Globus pallidus volume at visit 2	THD, TON	Morphometric	globus_2	number		cm ³	
Globus pallidus volume at visit 3	THD, TON	Morphometric	globus_3	number		cm ³	
Globus pallidus volume at visit 4	THD	Morphometric	globus_4	number		cm ³	

5.7 Data file "ishd"

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Recoded HDID	THD (V1,V2,V3)	Key Vars	subjid	text				
Study ID	THD (V1,V2,V3)	Key Vars	studyid	text				PDS
Visit	THD (V1,V2,V3)	Key Vars	visit	text				
Visit Number	THD (V1,V2,V3)	Key Vars	visitnum	number				Not
Form Number	THD (V3)	Key Vars	nr	number				Available
Row Number	THD (V3)	Key Vars	enr	number				

Visit Date	THD (V1,V2,V3)	Key Vars	visdat	date			
Day of visit (ref. to baseline)	THD (V1,V2,V3)	Key Vars	visdy	number			
Visit Status	THD (V1,V2,V3)	Key Vars	visstat	text	 editing plausible signed reviewing completed checked 		PDS

5.7.1 Form "Irritability Scale for Huntington's Disease (ISHD)"

Label	Study (Visit)	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Irritability	THD (V3)	ISHD	irritabweekscore	number				
Verbal Outburst	THD (V3)	ISHD	verbalweekscore	number				
Physical Aggression	THD (V3)	ISHD	physicalweekscore	number				PDS
Overall	THD (V3)	ISHD	overallweekscore	number				
Date	THD (V1,V2,V3)	ISHD	dtc	date				
				single	- precision in days	- d		Not Available
Date (precision)	THD (V1,V2,V3)	ISHD	dtcprec	single- choice	- precision in months	- m		Available
	(V1,V2,V3)			choice	- precision in years	- y		
Day of ISHD	THD (V1,V2,V3)	ISHD	ishddy	number				PDS
	тир			single	 precision in days 	- d		Not
Date (precision)	THD (V1,V2,V3)	ISHD	ishddyprec	single- choice	- precision in months	- m		Not Available
()	(*1,*2,*3)			choice	- precision in years	- y		Available

					 Subject was not irritable at all today Seemed to be in a bad mood, might have become angry if not treated with tact 	- 1 - 2		
Irritable moods (severity)	THD (V1,V2,V3)	ISHD	moods	single- choice	- Appearance and behaviour suggesting that he/she was feeling angry; became cross or angry with very little provocation, or gave impression that outburst would have occurred if care had not been taken to placate subject or keep out of the way	- 3		DDC
					 Obviously feeling very angry; any contact with subject was like walking on eggshells 	- 4		PDS
					 Subject was not irritable at all today 	- 1		
How often was	TUD			single	 One short spell of moody or irritable behaviour in the course of the day 	- 2		
the subject	THD (V1,V2,V3)	ISHD	irritable	single- choice	 Several (2-5) spells of moody or irritable behaviour in the course of the day 	- 3		
					 Continuously, or almost continuously throughout the day 	- 4	1	

						 No angry verbal outbursts today 	- 1	
Angry verbal	THD				single	 Became mildly cross (e.g. when confronted with frustrating situations) 	- 2	
outbursts (severity)	(V1,V2)	,V3) ¹⁵	SHD	outbursts	single- choice	 Verbally hostile, sarcastic or nasty, or using foul language 	- 3	
						 Shouting, verbally intimidating behaviour or uttering threats 	- 4	
						 No angry verbal outbursts today 	- 1	
						 One angry verbal outburst only 	- 2	
How many ar verbal outbui did the subje have today	rsts THD	,V3) ^{IS}	SHD	verbalourbursts	single- choice	 Several (2-5) angry verbal outbursts in the course of the day 	- 3	
in the total y						 Angry verbal outbursts occurred continuously, or almost continuously, throughout the day 	- 4	
						 No aggressive incidents today 	- 1	
aggression	THD (V1,V2)	ID 1,V2,V3) ISHD	aggression	single- choice	 Aggression against property (slamming doors, kicking furniture, breaking things deliberately) 	- 2		

					- Threatening behaviour e.g. raising fist, approaching too close, throwing things (must be more than just verbal threats)	- 3	
					 Actual assault (includes pushing, shoving, hitting, biting, scratching) 	- 4	
					 No aggressive incidents today 	- 1	
					 One aggressive incident only 	- 2	
How often was the subject aggressive today	THD (V1,V2,V3)	ISHD	aggressive	single- choice	 Several (2-5) aggressive incidents in the course of the day 	- 3	
					 Aggressive behaviour occurred continuously, or almost continuously, throughout the day 	- 4	
Finally, please tell us roughly					- one or two short spells, less than two hours in total	- 1	
how much time you spent with	THD	10115		single-	- more than two hours, less than about six hours	- 2	
the subject today (i.e. in the same house, not necessarily in the same room)	(V1,V2,V3)	ISHD	spenttime	choice	- all day, or most of the day (more than six hours)	- 3	
Irritability	THD (V3)	ISHD	irritabscore	number			
Verbal Outburst	THD (V3)	ISHD	verbalscore	number			
Physical Aggression	THD (V3)	ISHD	physicalscore	number			

	Overall	THD (V3)	ISHD	overallscore	number				
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5.8 Data file "samples"

Label	Study	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Recoded HDID	TON,THD	Key Vars	subjid	text				DDC
Study ID	TON,THD	Key Vars	studyid	text				PDS
Visit Number	TON,THD	Key Vars	visitnum	number				
Form Number	TON,THD	Key Vars	nr	number				Not Available
Row Number	TON,THD	Key Vars	enr	number				
Visit	TON,THD	Key Vars	visit	number				PDS
Visit Date	TON,THD	Key Vars	visdat	date				Not Available
Day of visit (ref. to baseline)	TON,THD	Key Vars	visdy	number				
Visit Status	TON,THD	Key Vars	visstat	text	 editing plausible signed reviewing completed checked 			PDS
Form	TON,THD	Key Vars	form	text	Samples - Samples ACD - Samples EDTA ACD - Samples EDTA PX			

		- Samples Other		

5.8.1 Form "Samples"

Label	Study	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Date of Laboratory Report	TON	Samples	lbdtc	date				Not
Specimen	TON	Samples	specimentype	number				Available
Product	TON	Samples	producttype	single- choice				
Container	TON	Samples	containertype	single- choice				PDS
Bar code	TON	Samples	barcode	text				
Quantity	TON	Samples	quantity	number				
Shinnod?	TON	Samples	shipped	boolean	- no	- 0		
Shipped?	TON	Samples	shipped	DOOIEAN	- yes	- 1		
Notified	TON	Samples	notified	boolean	- no	- 0		
Notified	TON	Samples	notined	boolean	- yes	- 1		
Receipt state	TON	Samples	submstate	number				Not
Outcome	TON	Samples	finalstate	boolean	- no	- 0		Available
Outcome	TON	Samples	Indistate	boolean	- yes	- 1		
Date Completed	TON	Samples	completeddate	date				
Data Completed				single	- precision in days	- d		
Date Completed (precision)	TON	Samples	completeddateprec	single- choice	- precision in months	- m		
(precision)				choice	- precision in years	- y		
ID	TON	Samples	inv_id	number				
Date of shipment:	TON	Samples	shipdtc	date				

Date of shipment (precision)	TON	Samples	shipdtc prec	single- choice	 precision in days precision in months 	- d - m		
Airway bill no	TON	Samples	airwaybillnum	number	- precision in years	- y		
Date of notification	TON	Samples	requestdate	date				
Date of				single	- precision in days	- d		
notification	TON	Samples	requestdateprec	single- choice	- precision in months	- m		
(precision)				choice	- precision in years	- y		
Date of receipt	TON	Samples	receiptdate	date				
					- precision in days	- d		
Date of receipt	TON	Samples	receiptdateprec	single-	- precision in months	- m		
(precision)				choice	- precision in years	- y		
Total shipping time	TON	Samples	shiptimeh	number			h	
Total shipping time - :	TON	Samples	shiptimemin	number			min	

5.8.2 Form "Samples ACD"

Label	Study	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Date of Laboratory Report	THD,TON	Samples ACD	lbdtc	date				
Should CAG be determined by BioRep?	THD,TON	Samples ACD	determinecag	boolean	- no - yes	- 0 - 1		Not Available
Specimen	THD,TON	Samples ACD	specimentype	number				
Product	THD,TON	Samples ACD	producttype	single-choice				

Bar code	THD,TON	Samples ACD	barcode	text				
Quantity	THD,TON	Samples ACD	quantity	number				
Receipt state	THD,TON	Samples ACD	submstate	number				
Outcome	THD,TON	Samples ACD	finalstate	boolean	- no - yes	- 0 - 1	-	
Date Completed	THD,TON	Samples ACD	completeddate	date				
Data Camplatad		Complex			- precision in days	- d		
Date Completed (precision)	THD,TON	Samples ACD	completeddateprec	single-choice	- precision in months	- m		
(precision)		ACD			- precision in years	- y		
ID	THD,TON	Samples ACD	inv_id	number				
Airway bill no	THD,TON	Samples ACD	airwaybillnum	number				
Date of		Samples			 precision in days 	- d		
notification	THD,TON	ACD	requestdateprec	single-choice	- precision in months	- m	_	
(precision)		ACD			- precision in years	- y		
Date of receipt	THD,TON	Samples ACD	receiptdate	date				
Date of receipt		Samples			- precision in days	- d		
(precision)	THD,TON	ACD	receiptdateprec	single-choice	- precision in months	- m		
		ACD .			- precision in years	- y		
Total shipping time	THD,TON	Samples ACD	shiptimeh	number			h	
Total shipping time - :	THD,TON	Samples ACD	shiptimemin	number			min	
Subject group	TON	Samples ACD	sgroup	single-choice	 control subject premanifest gene carrier 	- 1 - 2		PDS

					 control subject (TRACK- HD) 	- 3	
					 premanifest gene carrier (TRACK-HD) 	- 4	
Container	TON	Samples ACD	containertype	single-choice			
	Samples	a a tific al	- no - 0				
Notified	ied TON ACD	ACD	notified boolean -	- yes	- 1		
Date of shipment:	TON	Samples ACD	shipdtc	date			Not
Date of		Complex			- precision in days	- d	Available
shipment	TON	Samples ACD	shipdtc prec	single-choice	- precision in months	- m	Available
(precision)	ACD			- precision in years	- y		
Date of notification	TON	Samples ACD	requestdate	date			

5.8.3 Form "Samples ACD (other)"

Label	Study	Form	Variable	Туре	Parameter	Coding	Unit	Availability
		Samples			- control subject	- 0		
Subject group	TON	ACD	sgroup_thd	single-choice	- premanifest gene carrier	- 1		PDS
		(other)			- early-HD	- 2		
Date of Laboratory Report	TON	Samples ACD (other)	lbdtc	date				
Should CAG be	TON	Samples			- no	- 0		Not
determined by BioRep?	TON	ACD (other)	determinecag	boolean	- yes	- 1		Available
Specimen	TON	Samples ACD (other)	specimentype	number				

Product	TON	Samples ACD (other)	producttype	single-choice				
Container	TON	Samples ACD (other)	containertype	single-choice				PDS
Bar code	TON	Samples ACD (other)	barcode	text				
Quantity	TON	Samples ACD (other)	quantity	number				
	TON	Samples		boolean	- no	- 0		
Notified	TON	ACD (other)	notified		- yes	- 1		
Receipt state	TON	Samples ACD (other)	submstate	number				Not
Outcome	TON	Samples ACD (other)	finalstate	boolean	- no - yes	- 0 - 1	-	Available
Date Completed	TON	Samples ACD (other)	completeddate	date				
Date Completed		Samples			- precision in days	- d		
(precision)	TON	ACD (other)	completeddateprec	single-choice	 precision in months precision in years 	- m - y		
ID	TON	Samples ACD (other)	inv_id	number				

Date of shipment:	TON	Samples ACD (other)	shipdtc	date			
Date of shipment (precision)	TON	Samples ACD (other)	shipdtc prec	single-choice	 precision in days precision in months precision in years 	- d - m - y	_
Airway bill no	TON	Samples ACD (other)	airwaybillnum	number		у	
Date of notification	TON	Samples ACD (other)	requestdate	date			
Date of notification (precision)	TON	Samples ACD (other)	requestdateprec	single-choice	 precision in days precision in months precision in years 	- d - m - y	
Date of receipt	TON	Samples ACD (other)	receiptdate	date			
Date of receipt (precision)	TON	Samples ACD (other)	receiptdateprec	single-choice	 precision in days precision in months precision in years 	- d - m - y	
Total shipping time	TON	Samples ACD (other)	shiptimeh	number			h
Total shipping time - :	TON	Samples ACD (other)	shiptimemin	number			min

5.8.4 Form "Samples EDTA/PX"

Label	Study	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Date and Time of Sampling	THD	Samples EDTA/PX	specimendate	date				Not Available

Specimen	THD	Samples EDTA/PX	specimentype	number			
Product	THD	Samples EDTA/PX	producttype	single-choice			
Bar code	THD	Samples EDTA/PX	barcode	text			
Quantity	THD	Samples EDTA/PX	quantity	number			
Shipped?	THD	Samples EDTA/PX	shipped	boolean	- no - yes	- 0 - 1	
Receipt state	THD	Samples EDTA/PX	submstate	number			
Outcome	THD	Samples EDTA/PX	finalstate	boolean	- no - yes	- 0 - 1	
Date Completed	THD	Samples EDTA/PX	completeddate	date			
Date Completed (precision)	THD	Samples EDTA/PX	completeddateprec	single-choice	 precision in days precision in months precision in years 	- d - m - y	
ID	THD	Samples EDTA/PX	inv_id	number			
Date of notification	THD	Samples EDTA/PX	requestdate	date			
Date of notification (precision)	THD	Samples EDTA/PX	requestdateprec	single-choice	 precision in days precision in months precision in years 	- d - m - y	
Date of receipt	THD	Samples EDTA/PX	receiptdate	date			
Date of receipt (precision)	THD	Samples EDTA/PX	receiptdateprec	single-choice	 precision in days precision in months precision in years 	- d - m - y	

Total shipping time	THD	Samples EDTA/PX	shiptimeh	number		h	
Total shipping time - :	THD	Samples EDTA/PX	shiptimemin	number		min	

5.8.5 Form "Samples EDTA/ACD"

Label	Study	Form	Variable	Туре	Parameter	Coding	Unit	Availability
Date and Time of Sampling	THD	Samples EDTA/ACD	specimendate	date				
Specimen	THD	Samples EDTA/ACD	specimentype	number				
Product	THD	Samples EDTA/ACD	producttype	single-choice				
Bar code	THD	Samples EDTA/ACD	barcode	text				
Quantity	THD	Samples EDTA/ACD	quantity	number				
Shipped?	THD	Samples EDTA/ACD	shipped	boolean	- no - yes	- 0 - 1	_	Not Available
Receipt state	THD	Samples EDTA/ACD	submstate	number				Available
Outcome	THD	Samples EDTA/ACD	finalstate	boolean	- no - yes	- 0 - 1	-	
Date Completed	THD	Samples EDTA/ACD	completeddate	date				
Date Completed		Samples			- precision in days	- d		
(precision)	THD	THD EDTA/ACD	completeddateprec	single-choice	- precision in months	- m	4	
,		-		+	- precision in years	- y		
ID	THD	Samples EDTA/ACD	inv_id	number				

Date of notification	THD	Samples EDTA/ACD	requestdate	date				
Date of notification (precision)	THD	Samples EDTA/ACD	requestdateprec	single-choice	 precision in days precision in months precision in years 	- d - m - y		
Date of receipt	THD	Samples EDTA/ACD	receiptdate	date				
Date of receipt (precision)	THD	Samples EDTA/ACD	receiptdateprec	single-choice	 precision in days precision in months precision in years 	- d - m - y		
Total shipping time	THD	Samples EDTA/ACD	shiptimeh	number			h	
Total shipping time - :	THD	Samples EDTA/ACD	shiptimemin	number			min	

6 Bibliography

Langbehn DR, B. R. (2004). A new model for prediction of the age of onset and penetrance for Huntington's disease based on CAG length. *CLINICAL GENETICS*, 267-277.

Revision History

Document	Summary of Changes
TRACK-HD/TRACKON-HD Data Dictionary PDS1	Initial version. July 2021