



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	Type	Studies	Description
<i>profile</i>	Participant	THD, TON	General and participant related data, some of which may be annually updated.
<i>pharmacotx</i>	Participant	THD, TON	Information about pharmacological therapies.
<i>comorbid</i>	Participant	THD, TON	Information about comorbid conditions and surgeries.
<i>family</i>	Participant	THD, TON	Information on family members of each participant.
<i>participation</i>	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.
<i>track</i>	Visit	THD	Data from the Track-HD study.

<i>trackon</i>	Visit	TON	Data from the TrackOn-HD study.
<i>ishd</i>	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 assessments which corresponds to 7 rows for each participant's visit.
<i>oculomotor</i>	Visit	THD, TON	Data from Oculomotor scale. Oculomotor assessment has many sessions per participant's visit, which corresponds to one row per session.
<i>mri_aquisitions</i>	Visit	THD, TON	Iventory of all MRIs conducted within the study.
<i>mri_morphometrics</i>	Visit	THD, TON	Measurements from performed MRIs in each visit.
<i>assessment</i>	Visit	THD, TON	Visit-specific information about which assessments were performed at each visit (per study).
<i>samples</i>	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.

Table 2 Data dictionary column fields.

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

	<p><i>Date:</i> The date type is represented as the number of days relative to the date of the participant's THD Visit 1 visit date.</p> <p><i>Single choice:</i> 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.</p>
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**.

Table 3 Date representation.

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

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).

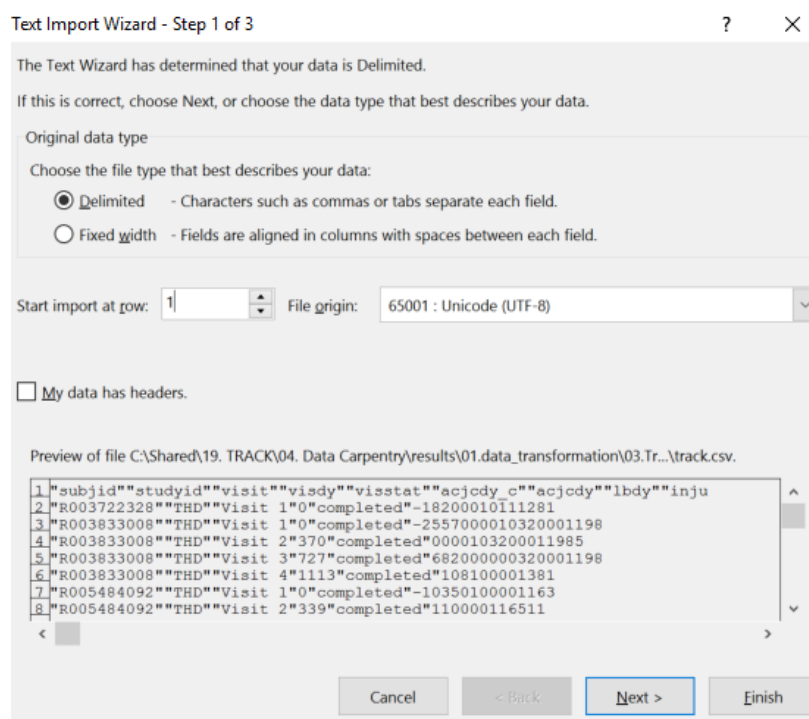


Figure 1 Window defining relevant importing options.

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	Type	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	Type	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-choice	- female	- 1		PDS
					- male	- 2		PDS
Ethnicity	THD,TON	Demog	ethnic	single-choice	- Caucasian	- 1		PDS
					- African - Black	- 1		PDS
					- African - North	- 2		PDS
					- Asian - West	- 3		PDS
					- Asian - East	- 4		PDS
					- mixed	- 5		PDS
					- American - Black	- 2		PDS
					- American - Latin	- 3		PDS
					- other	- 6		PDS

					- unknown	- 7		PDS
Subject's statement	THD,TON	Demog	ethnicself	text				Not Available
Handedness	THD,TON	Demog	handness	single-choice	- right	- 1		PDS
					- left	- 2		PDS
					- mixed	- 3		PDS
Education level	THD	Demog	education	single-choice	- 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)	- 3		PDS
					- ISCED 4 - college of further education	- 4		PDS
					- ISCED 5 - university (further/higher education institutions)	- 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	Type	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	Type	Parameter	Coding	Unit	Availability
Drug name - WHO-DD Modified Term	THD,TON	Medication	cmtrt__modify	text				PDS
Drug name - WHO-DD Drug Code	THD,TON	Medication	cmtrt__decode	text				Available upon SRC approval
Drug name - Internal Drug Code	THD,TON	Medication	cmtrt__decode_r	text				PDS
Dose	THD,TON	Medication	cmdostot	number				PDS
Unit	THD,TON	Medication	cmdosunit	text				PDS
Regimen	THD,TON	Medication	regimen	single-choice	- ATC	- atc		PDS
					- b.i.d.	- bid		
					- b.i.w.	- biw		
					- nocte	- hs		
					- p.r.n.	- prn		
					- q.2h.	- q2h		
					- q.3h.	- q3h		
					- q.4h.	- q4h		

					- 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
Route	THD,TON	Medication	route	single-choice	- p.o.	- 0		PDS
					- p.r.	- 1		
					- s.c.	- 2		
					- i.m.	- 3		
					- i.v.	- 4		
					- nasal	- 5		
					- td	- 6		
Start day	THD,TON	Medication	cmstdy	number				PDS
Start day (precision)	THD,TON	Medication	cmstdy__prec	single-choice	- precision in day	- d		Not Available
					- precision in month	- m		
					- precision in years	- y		
Ongoing	THD,TON	Medication	cmenrf	boolean	- no	- 0		PDS
					- yes	- 1		
End day	THD,TON	Medication	cmendy	number				PDS
End day (precision)	THD,TON	Medication	cmendy__prec	text	- precision in day	- d		Not Available

					- precision in month	- m		
					- precision in years	- y		
Drug Name - ATC code	THD,TON	Medication	cmtrt__atc	text				PDS
Ingredient – Modified Term	THD,TON	Medication	cmtrt__ing	text				PDS
Indication - Modified Term	THD,TON	Medication	cmindc__modify	text				PDS
Indication - code (coded by MedDRA - D level)	THD,TON	Medication	cmindc__decod	text				Available upon SRC approval
Indication - Internal code	THD,TON	Medication	cmindc__decod_r	text				PDS

3.3 Data File “comorbid (Comorbid Conditions)”

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

3.3.1 Form “Comorbidities”

Label	Study	Form	Variable	Type	Parameter	Coding	Unit	Availability
-------	-------	------	----------	------	-----------	--------	------	--------------

Disorders (ICD10 Modified Term)	THD,TON	Comorbid	mhterm__modify	text				PDS
Condition - Code (coded by MedDRA)	THD,TON	Comorbid	mhterm__decod	text				Available upon SRC approval
Disorders (ICD10 Code)	THD,TON	Comorbid	mhterm__decod_r	text				PDS
Start day	THD,TON	Comorbid	mhstdy	number				
Start day (precision)	THD,TON	Comorbid	mhstdy__prec	single-choice	- precision in day	- d		Not Available
					- precision in month	- m		
					- precision in years	- y		
Ongoing	THD,TON	Comorbid	mhenrf	boolean	- no	- 0		PDS
					- yes	- 1		
End day	THD,TON	Comorbid	mhendy	number				
End day (precision)	THD,TON	Comorbid	mhendy__prec	single-choice	- precision in day	- d		Not Available
					- precision in month	- m		
					- precision in years	- y		

3.4 Data File “family” (Family information)

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

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				PDS
Study ID	TON,THD	Key Vars	studyid	text				
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	Type	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				PDS
Diagnosed by physician	TON,THD	Family History	physician	single-choice	- yes	- 1		
					- no	- 2		
					- unknown	- 3		
Diagnosed by physician	TON,THD	Family History	hddiagnb	single-choice	- yes	- 1		
					- no	- 2		
					- 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				PDS
Special type of this node or type of relationship to other family member	TON,THD	Family History	type	text	- "infertile" - "childless" - " bitwin" - "monotwin" - "donor			
Age at data entry	TON,THD	Family History	age	number				
Cause	TON,THD	Family History	cause	text				
Gender	TON,THD	Family History	sex	single-choice	- female	- 1		PDS
					- male	- 2		
Year of birth	TON,THD	Family History	birth	number				Not Available
Alive?	TON,THD	Family History	alive	single-choice	- yes	- 1		PDS
					- no	- 2		
					- unknown	- 3		
Vital status	TON,THD	Family History	survstat	single-choice	- alive	- 1		
					- dead	- 2		
					- unknown	- 3		
Year of death	TON,THD	Family History	death	number				Not Available

Age of death	TON,THD	Family History	Dssage	number				PDS
HD mutuation carrier	TON,THD	Family History	Carrier	single-choice	- yes	- 1		
					- no	- 2		
					- unknown	- 3		
Manifest HD	TON,THD	Family History	manifest	single-choice	- yes	- 1		
					- no	- 2		
					- unknown	- 3		
First symptoms	TON,THD	Family History	Sympt	text				Not Available
Confirmed genetically	TON,THD	Family History	Genetic	single-choice	- yes	- 1		PDS
					- no	- 2		
					- unknown	- 3		
Participant in TRACK-HD	TON,THD	Family History	trackhd	single-choice	- yes	- 1		
					- no	- 2		
					- unknown	- 3		
Participant in REGISTRY	TON,THD	Family History	registry	single-choice	- yes	- 1		
					- no	- 2		
					- 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	Type	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	Type	Parameter	Coding	Unit	Availability
Age at enrollment	THD, 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	<ul style="list-style-type: none"> control; HD stage1 HD stage2 preHD A preHD B 			Available upon SRC approval

4.1.2 Form “Eligibility”

Label	Study	Form	Variable	Type	Parameter	Coding	Unit	Availability
Date of enrolment	THD,TON	Eligibility	rfstdtc	date				Not Available
Date of enrolment (precision)	THD,TON	Eligibility	rfstdtc__prec	single-choice	- precision in day	- d		
					- precision in month	- m		
					- precision in years	- y		
Signature of subject	THD,TON	Eligibility	signp	boolean	- no	- 0		
					- yes	- 1		
Signature of investigator	THD,TON	Eligibility	signi	boolean	- no	- 0		
					- yes	- 1		
Ability to tolerate MRI and sample donation	THD	Eligibility	incl01	boolean	- no	- 0		
					- yes	- 1		
Subject will be either	THD	Eligibility	incl02_thd	single-choice	- control subject	- 0		PDS
					- premanifest gene carrier	- 1		
					- early HD	- 2		
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 ≥ 40 ¹	THD,TON	Eligibility	incl02c	boolean	- no	- 0		
					- yes	- 1		
Disease burden score (CAG-35.5)*age > 250	THD,TON	Eligibility	incl02d	boolean	- no	- 0		
					- yes	- 1		
Absence of diagnostic motor features according to the UHDRS 99	THD	Eligibility	incl02e	boolean	- no	- 0		
					- yes	- 1		
Positive genetic test with CAG repeat length ≥ 40 (if early HD) ¹	THD	Eligibility	incl02f	boolean	- no	- 0		
					- yes	- 1		
Presence of diagnostic motor features according to the UHDRS 99	THD	Eligibility	incl02g	boolean	- no	- 0		
					- yes	- 1		
Shoulson and Fahn stage 1 (TFC ≥ 11 to ≤ 13) or 2 (TFC ≥ 7 to ≤ 10) assessed according to	THD	Eligibility	incl02h	boolean	- no	- 0		
					- yes	- 1		

Not Available

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) or greater at time of enrolment	THD	Eligibility	excl01	boolean	- no	- 0		
					- yes	- 1		
Younger than 18 years of age	THD	Eligibility	excl02	boolean	- no	- 0		
					- yes	- 1		
Older than 65 years of age	THD	Eligibility	excl03	boolean	- no	- 0		
					- yes	- 1		
Major psychiatric disorder at time of enrolment	THD,TON	Eligibility	excl04	boolean	- no	- 0		
					- yes	- 1		
Concomitant significant neurological disorder	THD,TON	Eligibility	excl05	boolean	- no	- 0		
					- yes	- 1		
Concomitant significant medical illness	THD,TON	Eligibility	excl06	boolean	- no	- 0		Not Available
					- yes	- 1		
Unsuitability for MRI, e.g. claustrophobia, metal implants	THD,TON	Eligibility	excl07	boolean	- no	- 0		
					- yes	- 1		
Unwillingness to donate blood	THD,TON	Eligibility	excl08	boolean	- no	- 0		
					- yes	- 1		
History of significant head injury	THD,TON	Eligibility	excl09	boolean	- no	- 0		
					- yes	- 1		
Predictable non-compliance by	THD,TON	Eligibility	excl10	boolean	- no	- 0		
					- yes	- 1		

drug and/or alcohol abuse								
Significant hand injuries that preclude either writing or rapid computerized responding	THD,TON	Eligibility	excl11	boolean	- no	- 0		
					- yes	- 1		
Participant in Predict-HD	THD,TON	Eligibility	excl12	boolean	- no	- 0		
					- yes	- 1		
Currently participating in a clinical drug trial	THD,TON	Eligibility	excl13	boolean	- no	- 0		
					- yes	- 1		
Former TRACK-HD subject	TON	Eligibility	thdsbj	boolean	- no	- 0		
					- yes	- 1		
Date of TRACK-HD enrolment	TON	Eligibility	thdrfstdtc	date				
Date of TRACK-HD enrolment (precision)	TON	Eligibility	thdrfstdtc__prec	single-choice	- precision in day	- d		
					- precision in month	- m		
					- precision in years	- y		
Last TRACK-HD visit	TON	Eligibility	thdlstvst	single-choice	- Visit 1	- 1		
					- Visit 2	- 2		
					- Visit 3	- 3		
					- Visit 4	- 4		
Date of last TRACK-HD visit	TON	Eligibility	thdlstvstdtc	date				
	TON	Eligibility	thdlstvstdtc__prec	single-choice	- precision in day	- d		
					- 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		
Subject will be either	TON	Eligibility	incl02_ton	single-choice	- control subject	- 1		PDS
					- premanifest gene carrier	- 2		
Presence of motor scores > 5 according to the UHDRS 99	TON	Eligibility	ic6	boolean	- no	- 0		Not Available
					- yes	- 1		
Age 18 to 65 years	TON	Eligibility	ic7	boolean	- no	- 0		Not Available
					- yes	- 1		
Known history of epilepsy	TON	Eligibility	ec2	boolean	- no	- 0		Available upon SRC approval
					- yes	- 1		
Diagnostic confidence scores of 4 according to the UHDRS 99	TON	Eligibility	ec12	boolean	- no	- 0		Not Available
					- yes	- 1		
Subject is	TON	Eligibility	eligible	single-choice	- not eligible	- 0		Not Available
					- eligible	- 1		

4.1.3 Form “End”

Label	Study	Form	Variable	Type	Parameter	Coding	Unit	Availability
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Did the subject complete the study?	THD,TON	End	complete	boolean	- no	- 0	PDS
					- yes	- 1	
Specify primary reason for subject's premature discontinuation from study:	THD,TON	End	discon	single-choice	- death	- 0	
					- event or illness necessitating withdrawal	- 1	
					- request of primary care physician	- 2	
					- subject's request	- 3	
					- failure of subject to return to next visit and failure to be located by investigator	- 4	
					- Institutionalized (will not be followed further)	- 5	
					- 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			Not Available
Does a request for additional withdrawal of material from the study exist?	THD,TON	End	withdrawal	boolean	- no	- 0	
					- yes	- 1	
Please select each withdrawn	THD	End	withdrawn__data	boolean	- no	- 0	
					- yes	- 1	

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

4.2 Data File “assessment”

Label	Study	Form	Variable	Type	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 Activities	TON			THD
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	Type	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	Type	Parameter	Coding	Unit	Availability
Date of data obtained	THD (V3,V4); TON (V1,V2,V3)	Apathy-c	acjcdtc_c	date				Not Available
Date data obtained (precision)	THD (V3,V4); TON (V1,V2,V3)	Apathy-c	acjcdtc__prec_c	single-choice	- precision in days m	- d		
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_c__prec	single-choice	- precision in days m	- d		Not Available
Score	THD (V3,V4); TON (V1,V2,V3)	Apathy-c	apathycscore_c	number				
Is he/she interested in learning new things?	THD (V3,V4); TON (V1,V2,V3)	Apathy-c	learning_c	single-choice	- not at all	- 0		
					- slightly	- 1		
					- some	- 2		
					- a lot	- 3		
Does anything interest him/her?	THD (V3,V4); TON (V1,V2,V3)	Apathy-c	interest_c	single-choice	- not at all	- 0		
					- slightly	- 1		
					- some	- 2		
					- a lot	- 3		

Does someone have to tell him/her what to do each day?	THD (V3,V4); TON (V1,V2,V3)	Apathy-c	todo_c	single-choice	- not at all	- 0	
					- slightly	- 1	
					- some	- 2	
					- a lot	- 3	
Is he/she concerned about his/her condition?	THD (V3,V4); TON (V1,V2,V3)	Apathy-c	condition_c	single-choice	- not at all	- 0	
					- slightly	- 1	
					- some	- 2	
					- a lot	- 3	
Is he/she indifferent to things?	THD (V3,V4); TON (V1,V2,V3)	Apathy-c	indifferent_c	single-choice	- not at all	- 0	
					- slightly	- 1	
					- some	- 2	
					- a lot	- 3	
Does he/she put much effort into things?	THD (V3,V4); TON (V1,V2,V3)	Apathy-c	effort_c	single-choice	- not at all	- 0	
					- slightly	- 1	
					- some	- 2	
					- a lot	- 3	
Is he/she always looking for something to do?	THD (V3,V4); TON (V1,V2,V3)	Apathy-c	something_c	single-choice	- not at all	- 0	
					- slightly	- 1	
					- some	- 2	
					- a lot	- 3	
Does he/she have plans and goals for the future?	THD (V3,V4); TON (V1,V2,V3)	Apathy-c	future_c	single-choice	- not at all	- 0	
					- slightly	- 1	
					- some	- 2	
					- a lot	- 3	
Does he/she have motivation?	THD (V3,V4); TON (V1,V2,V3)	Apathy-c	motivation_c	single-choice	- not at all	- 0	
					- slightly	- 1	
					- some	- 2	
					- 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	- 1		
					- some	- 2		
					- a lot	- 3		
Is he/she unconcerned with many things?	THD (V3,V4); TON (V1,V2,V3)	Apathy-c	unconcern_c	single-choice	- not at all	- 0		
					- slightly	- 1		
					- some	- 2		
					- a lot	- 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	- 0		
					- slightly	- 1		
					- some	- 2		
					- a lot	- 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	- 0		
					- slightly	- 1		
					- some	- 2		
					- a lot	- 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	- 0		
					- slightly	- 1		
					- some	- 2		
					- a lot	- 3		

5.3.2 Form “Apathy-s”

Label	Study (Visit)	Form	Variable	Type	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		Not Available	
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	acjcdy__prec	single-choice	- precision in days m	- d			
Score	THD (V3,V4); TON (V1,V2,V3)	Apathy-s	apathysscore	number					
Are you interested in learning new things?	THD (V3,V4); TON (V1,V2,V3)	Apathy-s	learning	single-choice	- not at all	- 0			
					- slightly	- 1			
					- some	- 2			
					- a lot	- 3			
Does anything interest you?	THD (V3,V4); TON (V1,V2,V3)	Apathy-s	interest	single-choice	- not at all	- 0			
					- slightly	- 1			
					- some	- 2			
					- a lot	- 3			
Does someone have to tell you what to do each day?	THD (V3,V4); TON (V1,V2,V3)	Apathy-s	todo	single-choice	- not at all	- 0			
					- slightly	- 1			
					- some	- 2			
					- a lot	- 3			
Are you concerned about your condition?	THD (V3,V4); TON (V1,V2,V3)	Apathy-s	condition	single-choice	- not at all	- 0			
					- slightly	- 1			
					- some	- 2			
					- a lot	- 3			

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

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

5.3.3 Form “BDI II”

Label	Study (Visit)	Form	Variable	Type	Parameter	Coding	Unit	Availability
Beck Depression Score	THD (V1,V2,V3,V4); TON (V1,V2,V3)	BDI	bdttotal	number				PDS
1. Sadness	THD (V1,V2,V3,V4); TON (V1,V2,V3)	BDI	asad	single-choice	- I do not feel sad - I feel sad much of the time - I am sad all the time - I am so sad or unhappy that I can't stand it	- 0 - 1 - 2 - 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		
3. Past Failure	THD (V1,V2,V3,V4); TON (V1,V2,V3)	BDI	cfailure	single-choice	- I do not feel like a failure	- 0		
					- I have failed more than I should have	- 1		
					- As I look back, I see a lot of failures	- 2		
					- I feel I am a total failure as a person	- 3		
4. Loss of Pleasure	THD (V1,V2,V3,V4); TON (V1,V2,V3)	BDI	dsatisfaction	single-choice	- I get as much pleasure as I ever did from the things I enjoy	- 0		
					- I don't enjoy things as much as I used to	- 1		
					- 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		
5. Guilty Feelings	THD (V1,V2,V3,V4); TON (V1,V2,V3)	BDI	eguilt	single-choice	- I don't feel particularly guilty	- 0		
					- 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	
6. Punishment Feelings	THD (V1,V2,V3,V4); TON (V1,V2,V3)	BDI	fpunished	single-choice	- I don't feel I am being punished	- 0	
					- I feel I may be punished	- 1	
					- I expect to be punished	- 2	
					- I feel I am being punished	- 3	
7. Self-Dislike	THD (V1,V2,V3,V4); TON (V1,V2,V3)	BDI	gdisappointed	single-choice	- I feel the same about myself as ever	- 0	
					- I have lost confidence in myself	- 1	
					- I am disappointed in myself	- 2	
					- I dislike myself	- 3	
8. Self-Criticalness	THD (V1,V2,V3,V4); TON (V1,V2,V3)	BDI	hblame	single-choice	- I don't criticize or blame myself more than usual	- 0	
					- I am more critical of myself than I used to be	- 1	
					- I criticize myself for all of my faults	- 2	
					- I blame myself for everything bad that happens	- 3	
9. Suicidal Thoughts or Wishes	THD (V1,V2,V3,V4); TON (V1,V2,V3)	BDI	ikill	single-choice	- I don't have any thoughts of killing myself	- 0	
					- 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		
10. Crying	THD (V1,V2,V3,V4); TON (V1,V2,V3)	BDI	jcry	single-choice	- I don't cry any more than I used to	- 0		
					- I cry more than I used to	- 1		
					- I cry over every little thing	- 2		
					- I feel like crying, but I can't	- 3		
11. Agitation	THD (V1,V2,V3,V4); TON (V1,V2,V3)	BDI	kagitation	single-choice	- I am no more restless or wound up than usual	- 0		
					- I feel more restless or wound up than usual	- 1		
					- 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		
12. Loss of Interest	THD (V1,V2,V3,V4); TON (V1,V2,V3)	BDI	linterest	single-choice	- I have not lost interest in other people or activities	- 0		
					- I am less interested in other people or things than before	- 1		
					- 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	mdecisions	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	
14. Worthlessness	THD (V1,V2,V3,V4); TON (V1,V2,V3)	BDI	nworthlessness	single-choice	- I do not feel I am worthless	- 0	
					- I don't consider myself as worthwhile and useful as I used to	- 1	
					- I feel more worthless as compared to other people	- 2	
					- I feel utterly worthless	- 3	
15. Loss of Energy	THD (V1,V2,V3,V4); TON (V1,V2,V3)	BDI	oenergy	single-choice	- I have as much energy as ever	- 0	
					- I have less energy than I used to have	- 1	
					- 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); TON (V1,V2,V3)	BDI	qirritability	single-choice	- I am no more irritable than usual	- 0	
					- I am more irritable than usual	- 1	

					- I am much more irritable than usual	- 2		
					- I am irritable all the time	- 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		
19. Concentration Difficulty	THD (V1,V2,V3,V4); TON (V1,V2,V3)	BDI	sconcentration	single-choice	- I can concentrate as well as ever	- 0		
					- I can't concentrate as well as usual	- 1		
					- It's hard to keep my mind on anything for very long	- 2		
					- I find I can't concentrate on anything	- 3		
20. Tiredness or Fatigue	THD (V1,V2,V3,V4); TON (V1,V2,V3)	BDI	tfatigue	single-choice	- I am no more tired or fatigued than usual	- 0		
					- I get more tired or fatigued more easily than usual	- 1		
					- 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 Interest in Sex	THD (V1,V2,V3,V4); TON (V1,V2,V3)	BDI	usex	single-choice	- I have not noticed any recent change in my interest in sex	- 0		
					- 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	Type	Parameter	Coding	Unit	Availability
Date of laboratory report	THD (V1); TON (V1)	CAG History	datecag	date				Not Available
Date of laboratory report (precision)	THD (V1); TON (V1)	CAG History	datecag__ prec	single-choice				
Day of Laboratory Report	THD (V1); TON (V1)	CAG History	lbdy	number				PDS
Were the exact repeat lengths given in the laboratory report?	THD (V1); TON (V1)	CAG History	repeatsinreport	boolean	- no	- 0		Not Available
					- yes	- 1		
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				
Comments	THD (V1); TON (V1)	CAG History	commentcag	boolean	- no	- 0		
					- yes	- 1		
Enter comment	THD (V1); TON (V1)	CAG History	commentcagtxt	text				

Not Available

5.3.5 Form “Cognitive”

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

PDS

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 - Word Reading Condition completed	TON (V1,V2,V3)	Cognitive	stroop_ton	single-choice	- not started	- 0		
					- yes	- 1		
					- partial data	- 2		
RAW data	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	ptap_raw	text				Not Available
Digital Fingerprint (MD5) of the RAW Data	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	ptap_md5	text				
Number of correctly pronounced words	THD (V1); TON (V1)	Cognitive	iq_correct	number				PDS
Spot the Change Task completed	TON (V1,V2,V3)	Cognitive	spot	single-choice	- not started	- 0		
					- 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				
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			%	

PDS

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	- 0		
					- yes	- 1		
					- partial data	- 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	- 0		
					- yes	- 1		
					- partial data	- 2		
RAW data	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	circle_raw	text				Not Available
Digital Fingerprint (MD5) of the RAW Data	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Cognitive	circle_md5	text				
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	- 0		
					- yes	- 1		
					- partial data	- 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	- 1		PDS
					- STOP THE TASK protocol applied	- 2		
					- equipment failure	- 3		
					- other	- 4		
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				PDS
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				
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								
Reason for non-completion	TON (V1)	Cognitive	circle_noncompl	single-choice	- subject unable to complete	- 1		Not Available
					- STOP THE TASK protocol applied	- 2		
					- equipment failure	- 3		
					- other	- 4		
Please explain	TON (V1,V2,V3)	Cognitive	circle_noncompl_cmnt	text				
IQ Covariate completed	THD (V1); TON (V1)	Cognitive	iq	single-choice	- not started	- 0		PDS
					- yes	- 1		
					- partial data	- 2		
Test	TON (V1)	Cognitive	iq_test	single-choice	- NART-2	- 1		PDS
					- ANART	- 2		
					- DART	- 3		
					- Echelle de vocabulaire Mill Hill	- 4		
Reason for non-completion	TON (V2,V3)	Cognitive	mrot_noncompl	single-choice	- subject unable to complete	- 1		PDS
					- 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 Tapping Task completed	TON (V1,V2,V3)	Cognitive	ptap	single-choice	- not started	- 0		PDS
					- yes	- 1		
					- 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			
Reason for non-completion	TON (V1,V2,V3)	Cognitive	ptap_noncompl	single-choice	- subject unable to complete	- 1	
					- STOP THE TASK protocol applied	- 2	
					- equipment failure	- 3	
					- other	- 4	
Symbol Digit Modalities Test (SDMT) completed	TON (V1,V2,V3)	Cognitive	sdmt	single-choice	- not started	- 0	
					- yes	- 1	
					- partial data	- 2	
Reason for non-completion	TON (V2,V3)	Cognitive	sdmt_noncompl	single-choice	- subject unable to complete	- 1	
					- 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	- 2		
					- equipment failure	- 3		
					- other	- 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				PDS
Mental Rotation Task completed	TON (V1,V2,V3)	Cognitive	mrot_ton	single- choice	- not started	- 0		
					- yes	- 1		
					- partial data	- 2		
RAW data	THD (V3,V4); TON (V1,V2,V3)	Cognitive	mrot_raw	text				Not Available
Digital Fingerprint (MD5) of the RAW Data	THD (V3,V4); TON (V1,V2,V3)	Cognitive	mrot_md5	text				
Trials adminstered	THD (V3,V4); TON (V1,V2,V3)	Cognitive	mrot_all_ numadminstered	number				PDS
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			%	
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 from smell problems	THD (V1,V2,V3)	Cognitive	smellproblems	boolean	- no	- 0		
					- 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	- 0		PDS
					- yes	- 1		
Please specify	THD (V1,V2,V3)	Cognitive	tasteproblemsspec	text				Not Available
History of smoking tobacco	THD (V1,V2,V3)	Cognitive	smoking	single-choice	- never smoked	- 1		
					- ex-smoker	- 2		
					- 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				

Do you inhale	THD (V1,V2,V3)	Cognitive	inhalation	boolean	- no	- 0		
					- 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	- 0		
					- yes	- 1		
Please specify	THD (V1,V2,V3)	Cognitive	smellchangesspec	text				Not Available
Symbol Digit Modalities Test (SDMT) completed	THD (V1,V2,V3,V4)	Cognitive	digit	boolean	- no	- 0		PDS
					- yes	- 1		
Stroop Test - Word Reading Condition completed	THD (V1,V2,V3,V4)	Cognitive	stroop_thd	boolean	- no	- 0		
					- yes	- 1		
Number of words correct in 45 seconds	THD (V1,V2,V3,V4)	Cognitive	swr_correct	number				
Start time	THD (V1,V2)	Cognitive	swr_start__h	number				Not Available
Start time	THD (V1,V2)	Cognitive	swr_start__m	number				
Finish time	THD (V1,V2)	Cognitive	swr_finish__h	number				
Finish time	THD (V1,V2)	Cognitive	swr_finish__m	number				
Trail Making Test Part A completed	THD (V1,V2,V3)	Cognitive	traila	boolean	- no	- 0		PDS
					- yes	- 1		

Time to complete Trails A	THD (V1,V2,V3)	Cognitive	traila_time	number				
Start time	THD (V1,V2)	Cognitive	triala_start__h	number				Not Available
Start time	THD (V1,V2)	Cognitive	triala_start__m	number				
Finish time	THD (V1,V2)	Cognitive	triala_finish__h	number				
Finish time	THD (V1,V2)	Cognitive	triala_finish__m	number				
Number of errors	THD (V1,V2,V3)	Cognitive	triala_error	number				PDS
Trail Making Test Part B completed	THD (V1,V2,V3)	Cognitive	trailb	boolean	- no	- 0		
					- yes	- 1		
Time to complete Trails B	THD (V1,V2,V3)	Cognitive	trailb_time	number				
Start time	THD (V1,V2)	Cognitive	trialb_start__h	number				Not Available
Start time	THD (V1,V2)	Cognitive	trialb_start__m	number				
Finish time	THD (V1,V2)	Cognitive	trialb_finish__h	number				
Finish time	THD (V1,V2)	Cognitive	trialb_finish__m	number				
Number of errors	THD (V1,V2,V3)	Cognitive	trialb_error	number				PDS
Point of View Task completed	THD (V1)	Cognitive	pov	boolean	- no	- 0		
					- yes	- 1		
RAW data	THD (V1)	Cognitive	pov_raw	text				Not Available
Speeded Tapping Task completed	THD (V1,V2)	Cognitive	st	boolean	- no	- 0		PDS
					- yes	- 1		

RAW data	THD (V1,V2)	Cognitive	stap_raw	text				Not Available
Digital Fingerprint (MD5) of the RAW Data	THD (V1,V2)	Cognitive	stap_md5	text				
Mean of intertap intervals (all trials)	THD (V1,V2)	Cognitive	stap_alltrials_intertapinterval_mean	number				PDS
Standard Deviation of intertap intervals (all trials)	THD (V1,V2)	Cognitive	stap_alltrials_intertapinterval_stddev	number				
Start time	THD (V1)	Cognitive	stap_start__h	number				Not Available
Start time	THD (V1)	Cognitive	stap_start__m	number				
Finish time	THD (V1)	Cognitive	stap_finish__h	number				
Finish time	THD (V1)	Cognitive	stap_finish__m	number				
Speeded Tapping Task with Serial 2s completed	THD (V1,V2)	Cognitive	st2_cogn	boolean	- no	- 0		PDS
					- yes	- 1		
RAW data	THD (V1,V2)	Cognitive	stap2_raw	text				Not Available
Digital Fingerprint (MD5) of the RAW Data	THD (V1,V2)	Cognitive	stap2_md5	text				
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 Tap	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	stap2_trial5_errors_cogn	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_start_h	number				Not Available
Start time	THD (V1)	Cognitive	stap2_start_m	number				
Finish time	THD (V1)	Cognitive	stap2_finish_h	number				
Finish time	THD (V1)	Cognitive	stap2_finish_m	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_start__h	number				Not Available

Start time	THD (V1)	Cognitive	ptap_start__m	number				
Finish time	THD (V1)	Cognitive	ptap_finish__h	number				
Finish time	THD (V1)	Cognitive	ptap_finish__m	number				
Emotion Recognition Task completed	THD (V1,V2,V3,V4)	Cognitive	emo	boolean	- no	- 0		PDS
					- yes	- 1		
RAW data	THD (V1,V2,V3,V4)	Cognitive	emo_raw	text				Not Available
Digital Fingerprint (MD5) of the RAW Data	THD (V1,V2,V3,V4)	Cognitive	emo_md5	text				
Negative Emotions - Total number correct	THD (V1,V2,V3,V4)	Cognitive	emo_negative_numbercorrect	number				PDS
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				
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	- 0		
					- yes	- 1		
Hit rate	THD (V1)	Cognitive	spot_setsize3_hitrate	number				
Correct rejection rate	THD (V1)	Cognitive	spot_setsize3_correctrejebrate	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	- 0		
					- yes	- 1		

Odor 1	THD (V1,V2,V3)	Cognitive	upsit1	single-choice	- a	- 1	
					- b	- 2	
					- c	- 3	
					- d	- 4	
Odor 2	THD (V1,V2,V3)	Cognitive	upsit2	single-choice	- a	- 1	
					- b	- 2	
					- c	- 3	
					- d	- 4	
Odor 3	THD (V1,V2,V3)	Cognitive	upsit3	single-choice	- a	- 1	
					- b	- 2	
					- c	- 3	
					- d	- 4	
Odor 4	THD (V1,V2,V3)	Cognitive	upsit4	single-choice	- a	- 1	
					- b	- 2	
					- c	- 3	
					- d	- 4	
Odor 5	THD (V1,V2,V3)	Cognitive	upsit5	single-choice	- a	- 1	
					- b	- 2	
					- c	- 3	
					- d	- 4	
Odor 6	THD (V1,V2,V3)	Cognitive	upsit6	single-choice	- a	- 1	
					- b	- 2	
					- c	- 3	
					- d	- 4	
Odor 7	THD (V1,V2,V3)	Cognitive	upsit7	single-choice	- a	- 1	
					- b	- 2	
					- c	- 3	
					- d	- 4	
Odor 8		Cognitive	upsit8		- a	- 1	

	THD (V1,V2,V3)			single-choice	- b	- 2	
					- c	- 3	
					- d	- 4	
Odor 9	THD (V1,V2,V3)	Cognitive	upsit9	single-choice	- a	- 1	
					- b	- 2	
					- c	- 3	
					- d	- 4	
Odor 10	THD (V1,V2,V3)	Cognitive	upsit10	single-choice	- a	- 1	
					- b	- 2	
					- c	- 3	
					- d	- 4	
Odor 21	THD (V1,V2,V3)	Cognitive	upsit21	single-choice	- a	- 1	
					- b	- 2	
					- c	- 3	
					- d	- 4	
Odor 22	THD (V1,V2,V3)	Cognitive	upsit22	single-choice	- a	- 1	
					- b	- 2	
					- c	- 3	
					- d	- 4	
Odor 23	THD (V1,V2,V3)	Cognitive	upsit23	single-choice	- a	- 1	
					- b	- 2	
					- c	- 3	
					- d	- 4	
Odor 24	THD (V1,V2,V3)	Cognitive	upsit24	single-choice	- a	- 1	
					- b	- 2	
					- c	- 3	
					- d	- 4	
Odor 25	THD (V1,V2,V3)	Cognitive	upsit25	single-choice	- a	- 1	
					- b	- 2	

					- c	- 3		
					- d	- 4		
Odor 26	THD (V1,V2,V3)	Cognitive	upsit26	single-choice	- a	- 1		
					- b	- 2		
					- c	- 3		
					- d	- 4		
Odor 27	THD (V1,V2,V3)	Cognitive	upsit27	single-choice	- a	- 1		
					- b	- 2		
					- c	- 3		
					- d	- 4		
Odor 28	THD (V1,V2,V3)	Cognitive	upsit28	single-choice	- a	- 1		
					- b	- 2		
					- c	- 3		
					- d	- 4		
Odor 29	THD (V1,V2,V3)	Cognitive	upsit29	single-choice	- a	- 1		
					- b	- 2		
					- c	- 3		
					- d	- 4		
Odor 30	THD (V1,V2,V3)	Cognitive	upsit30	single-choice	- a	- 1		
					- b	- 2		
					- c	- 3		
					- d	- 4		
Total number of correct responses	THD (V1,V2,V3)	Cognitive	upsitresponses	number				
Circle Tracing Task completed	THD (V1,V2,V3,V4)	Cognitive	ct	boolean	- no	- 0		
					- 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_finish__h	number				Not Available
Start time	THD (V1)	Cognitive	circle_finish__m	number				
Finish time	THD (V1)	Cognitive	circle_start__h	number				
Finish time	THD (V1)	Cognitive	circle_start__m	number				
Start time	THD (V1)	Cognitive	emo_finish__h	number				
Start time	THD (V1)	Cognitive	emo_finish__m	number				
Finish time	THD (V1)	Cognitive	emo_start__h	number				
Finish time	THD (V1)	Cognitive	emo_start__m	number				
Start time	THD (V1)	Cognitive	iq_finish__h	number				
Start time	THD (V1)	Cognitive	iq_finish__m	number				
Finish time	THD (V1)	Cognitive	iq_start__h	number				
Finish time	THD (V1)	Cognitive	iq_start__m	number				
Start time	THD (V1,V2)	Cognitive	sdmt_start__h	number				
Start time	THD (V1,V2)	Cognitive	sdmt_start__m	number				
Finish time	THD (V1,V2)	Cognitive	sdmt_finish__h	number				
Finish time	THD (V1,V2)	Cognitive	sdmt_finish__m	number				
Start time	THD (V2)	Cognitive	upsit_start__h	number				
Start time	THD (V2)	Cognitive	upsit_start__m	number				
Finish time	THD (V2)	Cognitive	upsit_finish__h	number				
Finish time	THD (V2)	Cognitive	upsit_finish__m	number				
Colour-Shape Task completed	THD (V3,V4)	Cognitive	cosh	boolean	- no	- 0		PDS
					- yes	- 1		
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_numtrialexpected	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				
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	- 0		
					- yes	- 1		

PDS

Number of deviations inside inner edge of annulus	THD (V3)	Cognitive	circle_direct_alltrials_insideerror_numdeviations	number				
Mental Rotation Task completed	THD (V3,V4)	Cognitive	mrot_thd	boolean	- no	- 0		
					- yes	- 1		

5.3.6 Form “Frontal Systems Behaviour Inventory (FrSBe-F)”

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

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

7. Makes the same mistakes over and over, does not learn from past experience	THD (V1,V2,V3,V4); TON (V1,V2,V3)			single-choice	- seldom	- 2	
					- sometimes	- 3	
					- frequently	- 4	
					- almost always	- 5	
8. Has difficulty starting an activity, lacks initiative, motivation	THD (V1,V2,V3,V4); TON (V1,V2,V3)	FrSBe-F	frontf8b	single-choice	- almost never	- 1	
					- seldom	- 2	
					- sometimes	- 3	
					- frequently	- 4	
					- almost always	- 5	
9. Makes inappropriate sexual comments and advances, is too flirtatious	THD (V1,V2,V3,V4); TON (V1,V2,V3)	FrSBe-F	frontf9b	single-choice	- almost never	- 1	
					- seldom	- 2	
					- sometimes	- 3	
					- frequently	- 4	
					- almost always	- 5	
10. Does or says embarrassing things	THD (V1,V2,V3,V4); TON (V1,V2,V3)	FrSBe-F	frontf10b	single-choice	- almost never	- 1	
					- seldom	- 2	
					- sometimes	- 3	
					- frequently	- 4	
					- almost always	- 5	
11. Neglects personal hygiene	THD (V1,V2,V3,V4); TON (V1,V2,V3)	FrSBe-F	frontf11b	single-choice	- almost never	- 1	
					- seldom	- 2	
					- sometimes	- 3	
					- frequently	- 4	
					- almost always	- 5	
12. Can't sit still, is hyperactive	THD (V1,V2,V3,V4);	FrSBe-F	frontf12b	single-choice	- almost never	- 1	
					- seldom	- 2	
					- sometimes	- 3	

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

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

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

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

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

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

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

5.3.7 Form “Frontal Systems Behaviour Inventory (FrSBe-S)”

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

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

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

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

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

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

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

before spending money)							
36. Use strategies to remember important things (for example, write notes to myself)	THD (V1,V2,V3,V4); TON (V1,V2,V3)	FrSBe-S	frontp37b	single-choice	- almost always	- 1	
					- frequently	- 2	
					- sometimes	- 3	
					- seldom	- 4	
					- almost never	- 5	
37. Am able to plan ahead	THD (V1,V2,V3,V4); TON (V1,V2,V3)	FrSBe-S	frontp38b	single-choice	- almost always	- 1	
					- frequently	- 2	
					- sometimes	- 3	
					- seldom	- 4	
					- almost never	- 5	
38. Am interested in sex	THD (V1,V2,V3,V4); TON (V1,V2,V3)	FrSBe-S	frontp39b	single-choice	- almost always	- 1	
					- frequently	- 2	
					- sometimes	- 3	
					- seldom	- 4	
					- almost never	- 5	
39. Care about my appearance (for example, daily grooming)	THD (V1,V2,V3,V4); TON (V1,V2,V3)	FrSBe-S	frontp40b	single-choice	- almost always	- 1	
					- frequently	- 2	
					- sometimes	- 3	
					- seldom	- 4	
					- almost never	- 5	
40. Benefit from feedback, accept constructive criticism from others	THD (V1,V2,V3,V4); TON (V1,V2,V3)	FrSBe-S	frontp41b	single-choice	- almost always	- 1	
					- frequently	- 2	
					- sometimes	- 3	
					- seldom	- 4	
					- almost never	- 5	
		FrSBe-S	frontp42b		- almost always	- 1	

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

5.3.8 Form “Function”

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

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

	TON (V1,V2,V3)							
Could subject take his/her own medications without help?	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Function	ownmeds	boolean	- no	- 0		
					- yes	- 1		
Could subject feed himself/herself without help?	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Function	feedself	boolean	- no	- 0		
					- yes	- 1		
Could subject dress himself/herself without help?	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Function	dress	boolean	- no	- 0		
					- yes	- 1		
Could subject bathe himself/herself without help?	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Function	bathe	boolean	- no	- 0		
					- yes	- 1		
Could subject use public transport to get to places without help?	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Function	pubtrans	boolean	- no	- 0		
					- yes	- 1		
Could subject walk to places in his/her neighbourhood without help?	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Function	walknbr	boolean	- no	- 0		
					- yes	- 1		
Could subject walk without falling?	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Function	walkfall	boolean	- no	- 0		
					- yes	- 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	- 0		
					- yes	- 1		
Could subject transfer between chairs without help?	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Function	trnchair	boolean	- no	- 0		
					- yes	- 1		
Could subject get in and out of bed without help?	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Function	bed	boolean	- no	- 0		
					- yes	- 1		
Could subject use toilet/commode without help?	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Function	toilet	boolean	- no	- 0		
					- yes	- 1		
Could subject's care still be provided at home?	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Function	carehome	boolean	- no	- 0		
					- yes	- 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 employment changes or ends; cannot perform household chores to pre-disease level, may need help with finances	- 80		
					-	- 75		
					- self-care maintained for bathing, limited household duties, e.g. cooking and use of knives, driving terminates; unable to manage finances	- 70		
					-	- 65		
					- needs minor assistance in dressing, toileting, bathing; food must be cut for subject	- 60		
					-	- 55		
					- 24-hour supervision appropriate; assistance required for bathing, eating, toileting	- 50		
					-	- 45		
					- chronic care facility needed; limited self feeding, liquified diet	- 40		
					-	- 35		
					- subject provides minimal assistance in own feeding, bathing, toileting	- 30		
					-	- 25		

					<ul style="list-style-type: none"> - no speech, must be fed - - tube fed, total bed care - 	<ul style="list-style-type: none"> - 20 - 15 - 10 - 5 		
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5.3.9 Form “Graphimetry”

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

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

Label	Study (Visit)	Form	Variable	Type	Parameter	Coding	Unit	Availability
Anxiety subscore	THD (V1,V2,V3,V4); TON (V1,V2,V3)	HADS-SIS	anxscore	number				PDS
Depression subscore	THD (V1,V2,V3,V4); TON (V1,V2,V3)	HADS-SIS	depscore	number				
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				
I feel tense or 'wound up'	THD (V1,V2,V3,V4); TON (V1,V2,V3)	HADS-SIS	tense	single-choice	- not at all	- 0		Available upon SRC approval
					- from time to time, occasionally	- 1		
					- a lot of the time	- 2		
					- most of the time	- 3		
I still enjoy the things I used to enjoy	THD (V1,V2,V3,V4); TON (V1,V2,V3)	HADS-SIS	enjoy	single-choice	- definitely as much	- 0		
					- not quite so much	- 1		
					- only a little	- 2		
					- hardly at all	- 3		
I get a sort of frightened feeling as if something awful is about to happen	THD (V1,V2,V3,V4); TON (V1,V2,V3)	HADS-SIS	frighten	single-choice	- not at all	- 0		
					- a little, but it doesn't worry me	- 1		
					- yes, but not too badly	- 2		
					- very definitetly and quite badly	- 3		
I lose my temper and shout or snap at others	THD (V1,V2,V3,V4); TON (V1,V2,V3)	HADS-SIS	temper_hads	single-choice	- no, not at all	- 0		
					- no, not much	- 1		
					- yes, sometimes	- 2		
					- yes, definitely	- 3		
			laugh		- as much as I always could	- 0		

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

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

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

5.3.11 Form “HD History”

Label	Study (Visit)	Form	Variable	Type	Parameter	Coding	Unit	Availability
Indicate who provided the information - subject only	THD (V1,V3,V4); TON (General)	HD History	informants__1	boolean	- no	- 0		PDS
					- yes	- 1		

Indicate who provided the information - informant that knows subject well but does not reside with subject	THD (V1,V3,V4); TON (General)	HD History	informants__2	boolean	- no	- 0	
					- yes	- 1	
Indicate who provided the information - informant that knows subject well and resides with subject	THD (V1,V3,V4); TON (General)	HD History	informants__3	boolean	- no	- 0	
					- yes	- 1	
Have motor symptoms ever been part of the subject's clinical features	THD (V1,V3,V4); TON (General)	HD History	motor	boolean	- no	- 0	
					- yes	- 1	
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	- 0	
					- yes	- 1	
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	- 0	
					- yes	- 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	- 0		
					- yes	- 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	- 0		
					- yes	- 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	- 0		
					- yes	- 1		
			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	- 0		
					- yes	- 1		
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	- 0		
					- yes	- 1		
Date of ideation	THD (V1,V3,V4); TON (General)	HD History	dtcsuicidal	date				Not Available
Date of ideation (precision)	THD (V1,V3,V4); TON (General)	HD History	dtcsuicidal__prec	date				

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

Date of self-harm	THD (V1,V3,V4); TON (General)	HD History	dtcselfharm	date				Not Available
Date of self-harm (precision)	THD (V1,V3,V4); TON (General)	HD History	dtcselfharm__prec	date				
Date of self-harm	THD (V1,V4)	HD History	selfharmdy	number				PDS
Date of self-harm (precision)	THD (V1,V3,V4)	HD History	selfharmdy__prec	single-choice	- precision in days m	- d		Not Available
Did subject receive hospital treatment	THD (V1,V4); TON (General)	HD History	selfharmtreat	boolean	- no	- 0		PDS
					- yes	- 1		
Age of HD diagnosed	THD (V1)	HD History	hddiagnosed	number				
HD diagnosis day	THD (V1)	HD History	hddiagnoseddy	number				
HD diagnosis (month)	THD (V1)	HD History	hddiagnosed__month	number				Not Available
HD diagnosis (date)	THD (V1,V3,V4)	HD History	hddiagnosed_ r	date				
HD diagnosis (year)	THD (V1)	HD History	hddiagnosed__year	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				
Age of symptoms first noted by subject (month)	THD (V1)	HD History	symptomssubject__month	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	symptomssubject__year	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				
Age of symptoms first noted by family (month)	THD (V1)	HD History	symptomsfamily__month	number				Not Available
Symptoms first noted by family date	THD (V1,V3,V4)	HD History	symptomsfamily_ r	date				
Age of symptoms first noted by family (year)	THD (V1)	HD History	symptomsfamily__year	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				
Rater's estimate of symptom onset (month)	THD (V1)	HD History	raterestimate__month	number				Not Available
Rater's estimate of symptom onset	THD (V1,V3,V4)	HD History	raterestimate_ r	date				
Rater's estimate of symptom onset (year)	THD (V1)	HD History	raterestimate__year	number				
Initial major symptom noted by subject	THD (V1)	HD History	majorsymptomssubject	single-choice	- motor	- 1		PDS
					- cognitive	- 2		
					- psychiatric	- 3		
					- oculomotor	- 4		
					- other	- 5		
					- mixed	- 6		
	THD (V1)		majorsymptomfamily		- motor	- 1		

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

5.3.12 Form “HDQ-D2-c”

Label	Study (Visit)	Form	Variable	Type	Parameter	Coding	Unit	Availability
Had difficulty carrying things without dropping them	THD (V4); TON (V1)	HDQ-D2-c	hdqd2c01	single-choice	- never	- 1		PDS
					- very rarely	- 2		
					- infrequently	- 3		
					- sometimes	- 4		
					- often	- 5		
					- most of the time	- 6		

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

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

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

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

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

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

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

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

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

Felt dissatisfied with medical management of Huntington's	THD (V4); TON (V1)	HDQ-D2-c		single-choice	- very rarely	- 2	
					- infrequently	- 3	
					- sometimes	- 4	
					- often	- 5	
					- most of the time	- 6	
					- all of the time	- 7	
Had problems with accessing information about Huntington's	THD (V4); TON (V1)	HDQ-D2-c	hdqd2c40	single-choice	- never	- 1	
					- very rarely	- 2	
					- infrequently	- 3	
					- sometimes	- 4	
					- often	- 5	
					- most of the time	- 6	
Overall, how would you rate the quality of life of your partner/family member	THD (V4)	HDQ-D2-c	gnrlp01_c	single-choice	- poor	- 1	
					- fair	- 2	
					- good	- 3	
					- very good	- 4	
					- excellent	- 5	
Overall, how would you rate the quality of life of your partner/family member	TON (V1)	HDQ-D2-c	gnrlp01_c_ton	single-choice	- poor	- 1	
					- fair	- 2	
					- good	- 3	
					- very good	- 4	
					- excellent	- 5	
In the past month, how often have you seen your partner/family member	THD (V4); TON (V1)	HDQ-D2-c	gnrlc09_c	single-choice	- never	- 1	
					- 1-3 times	- 2	
					- every week	- 3	
					- 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	Type	Parameter	Coding	Unit	Availability
Had difficulty carrying things without dropping them	THD (V4); TON (V1)	HDQ-D2-p	hdqd2p01	single-choice	- never	- 1		PDS
					- very rarely	- 2		
					- infrequently	- 3		
					- sometimes	- 4		
					- often	- 5		
					- most of the time	- 6		
					- all the time	- 7		
Lacked confidence with your balance	THD (V4); TON (V1)	HDQ-D2-p	hdqd2p02	single-choice	- never	- 1		
					- very rarely	- 2		
					- infrequently	- 3		
					- sometimes	- 4		
					- often	- 5		
					- most of the time	- 6		
					- all the time	- 7		
Had difficulty walking independently	THD (V4);	HDQ-D2-p	hdqd2p03	single-choice	- never	- 1		
					- very rarely	- 2		
					- infrequently	- 3		

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

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

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

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

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

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

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

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

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

					- most of the time	- 6		
					- all the time	- 7		
Overall, how do you rate your quality of life	THD (V4); TON (V1)	HDQ-D2-p	gnrlp01_p	single-choice	- poor	- 1		
					- fair	- 2		
					- good	- 3		
					- very good	- 4		
					- excellent	- 5		
Which of the following describes your carer arrangement	THD (V4); TON (V1)	HDQ-D2-p	gnrlp12	single-choice	- I do not have a carer	- 1		
					- Part-time partner/family member carer	- 2		
					- Part-time professional carer	- 3		
					- Full-time partner/family member carer	- 4		
					- 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)	Form	Variable	Type	Parameter	Coding	Unit	Availability
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Date data obtained	THD (V3,V4); TON (V1,V2,V3)	Irritability- c	irtycdtc	date				Not Available
Date data obtained (precision)	THD (V3,V4); TON (V1,V2,V3)	Irritability- c	irtycdtc__prec	single-choice				
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				PDS
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 way	THD (V3,V4); TON (V1,V2,V3)	Irritability- c	pout_ c	single-choice	- not at all	- 0		
					- slightly	- 1		
					- some	- 2		
					- a lot	- 3		
Does he/she have good control of his/her temper with the family (or	THD (V3,V4); TON (V1,V2,V3)	Irritability- c	temperfamily_ c	single-choice	- not at all	- 0		
					- slightly	- 1		
					- some	- 2		
					- 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 adjust well to a change in plans	THD (V3,V4); TON (V1,V2,V3)	Irritability-c	adjusting_c	single-choice	- not at all	- 0		
					- slightly	- 1		
					- some	- 2		
					- a lot	- 3		
When he/she loses his/her temper, does he/she have a hard time calming down again	THD (V3,V4); TON (V1,V2,V3)	Irritability-c	calmdown_c	single-choice	- not at all	- 0		
					- slightly	- 1		
					- some	- 2		
					- 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		
Is he/she easily agitated by minor problems	THD (V3,V4); TON (V1,V2,V3)	Irritability-c	agitation_c	single-choice	- not at all	- 0		
					- slightly	- 1		
					- some	- 2		
					- a lot	- 3		
Can you discuss problems together and agree to a reasonable solution	THD (V3,V4); TON (V1,V2,V3)	Irritability-c	discussion_c	single-choice	- not at all	- 0		
					- slightly	- 1		
					- some	- 2		
					- a lot	- 3		
			disagreement_c		- not at all	- 0		

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

5.3.15 Form “Irritability-s”

Label	Study (Visit)	Form	Variable	Type	Parameter	Coding	Unit	Availability
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Date data obtained	THD (V3,V4); TON (V1,V2,V3)	Irritability-s	irtypdtc	date				Not Available
Date data obtained (precision)	THD (V3,V4); TON (V1,V2,V3)	Irritability-s	irtypdtc__prec	single-choice				
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				PDS
Are you easily irritated	THD (V3,V4); TON (V1,V2,V3)	Irritability-s	irritation	single-choice	- not at all	- 0		
					- slightly	- 1		
					- some	- 2		
					- a lot	- 3		
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	- 0		
					- slightly	- 1		
					- some	- 2		
					- a lot	- 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	- 0		
					- slightly	- 1		
					- some	- 2		
					- a lot	- 3		

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

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

5.3.16 Form “Medical History”

Label	Study (Visit)	Form	Variable	Type	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	- 0	
					- yes	- 1	
Adolescent (13-17 years) serious illness	THD (V1); TON (V1)	Medical History	illnessadolescent	boolean	- no	- 0	
					- yes	- 1	
Adult (18+ years) serious illness	THD (V1); TON (V1)	Medical History	illnessadult	boolean	- no	- 0	
					- yes	- 1	
Major surgery requiring general anaesthesia	THD (V1); TON (V1)	Medical History	majorsurgery	boolean	- no	- 0	
					- yes	- 1	
History of alcohol abuse	THD (V1); TON (V1)	Medical History	alcoholabuse	single-choice	- never abused	- 1	
					- previous abuse	- 2	
					- current abuse	- 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	- 1	
					- ex-drug abuser	- 2	
					- current abuse	- 3	
			marijuana	boolean	- no	- 0	

Marijuana - Harmful use	THD (V1); TON (V1)	Medical History			- yes	- 1	
Marijuana - Frequency	THD (V1); TON (V1)	Medical History	marijuanafreq	single-choice	- seldom	- 1	
					- occasionally	- 2	
					- frequently	- 3	
Heroin - Harmful use	THD (V1); TON (V1)	Medical History	heroin	boolean	- no	- 0	
					- yes	- 1	
Frequency	THD (V1)	Medical History	heroinfreq	single-choice	- seldom	- 1	
					- occasionally	- 2	
					- frequently	- 3	
Cocaine - Harmful use	THD (V1); TON (V1)	Medical History	cocaine	boolean	- no	- 0	
					- yes	- 1	
Cocaine - Frequency	THD (V1); TON (V1)	Medical History	cocainefreq	single-choice	- seldom	- 1	
					- occasionally	- 2	
					- frequently	- 3	
Club drugs (Ecstasy, GHB, Roofies) - Harmful use	THD (V1); TON (V1)	Medical History	clubdrugs	boolean	- no	- 0	
					- yes	- 1	
Club drugs (Ecstasy, GHB, Roofies) - Frequency	THD (V1); TON (V1)	Medical History	clubdrugsfreq	single-choice	- seldom	- 1	
					- occasionally	- 2	
					- frequently	- 3	
			amphetamines	boolean	- no	- 0	

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

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

other - Harmful use	THD (V1); TON (V1)	Medical History	other_mhx	boolean	- no	- 0		Available upon SRC approval
					- yes	- 1		
other - Frequency	THD (V1); TON (V1)	Medical History	otherfreq	single-choice	- seldom	- 1		
					- occasionally	- 2		
					- frequently	- 3		
History of smoking tobacco	THD (V1); TON (V1)	Medical History	smoking_hx	single-choice	- never smoked	- 1		PDS
					- ex-smoker	- 2		
					- currently smokes	- 3		
Cigarettes per day	THD (V1); TON (V1)	Medical History	cigperday	number				
other - Years of smoking	THD (V1); TON (V1)	Medical History	smokyears	number				
Does the subject have any allergies?	THD (V1); TON (V1)	Medical History	allergies	boolean	- no	- 0		
					- yes	- 1		
Please list allergies	THD (V1); TON (V1)	Medical History	allergieslist	text				
Psychiatric History - Depression	THD (V1); TON (V1)	Medical History	depression_hx	boolean	- no	- 0		PDS
					- yes	- 1		

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

5.3.17 Form “Motor”

Label	Study (Visit)	Form	Variable	Type	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				PDS
Ocular pursuit - Horizontal	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Motor	ocularh	single-choice	- complete (normal)	- 0		
					- jerky movement	- 1		
					- interrupted pursuits/full range	- 2		

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

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

	THD (V1,V2,V3,V4); TON (V1,V2,V3)			single-choice	- mild slowing, reduction in amplitude (11-14/5 sec.)	- 1	
					- moderately impaired (7-10/5 sec.)	- 2	
					- severely impaired (3- 6/5 sec.)	- 3	
					- can barely perform task (0-2/5 sec.)	- 4	
Pronate/supinate-hands - Right	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Motor	prosupr	single-choice	- normal	- 0	
					- mild slowing and/or irregular	- 1	
					- moderate slowing and irregular	- 2	
					- severe slowing and irregular	- 3	
					- cannot perform	- 4	
Pronate/supinate-hands - Left	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Motor	prosupl	single-choice	- normal	- 0	
					- mild slowing and/or irregular	- 1	
					- moderate slowing and irregular	- 2	
					- severe slowing and irregular	- 3	
					- cannot perform	- 4	
Luria	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Motor	luria	single-choice	- >	- 0	
					- <4 in 10 sec, no cue	- 1	
					- >	- 2	
					- <4 in 10 sec with cues	- 3	
					- 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	- 1	
					- mild to moderate	- 2	
					- severe, full range of motion	- 3	
					- severe with limited range	- 4	
Rigidity-arms - Left	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Motor	rigarmL	single-choice	- absent	- 0	
					- slight or present only with activation	- 1	
					- mild to moderate	- 2	
					- severe, full range of motion	- 3	
					- severe with limited range	- 4	
Bradykinesia-body	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Motor	brady	single-choice	- normal	- 0	
					- minimally slow (?normal)	- 1	
					- mildly but clearly slow	- 2	
					- moderately slow, some hesitation	- 3	
					- markedly slow, long delays in initiation	- 4	
Maximal dystonia - Trunk	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Motor	dysttrnk	single-choice	- absent	- 0	
					- slight/intermittent	- 1	
					- mild/common or moderate/intermittent	- 2	
					- moderate/common	- 3	
					- marked/prolonged	- 4	
Maximal dystonia - RUE	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Motor	dystrue	single-choice	- absent	- 0	
					- slight/intermittent	- 1	
					- mild/common or moderate/intermittent	- 2	

					- moderate/common	- 3		
					- marked/prolonged	- 4		
Maximal dystonia - LUE	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Motor	dystlue	single- choice	- absent	- 0		
					- slight/intermittent	- 1		
					- mild/common or moderate/intermittent	- 2		
					- moderate/common	- 3		
					- marked/prolonged	- 4		
Maximal dystonia - RLE	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Motor	dystrie	single- choice	- absent	- 0		
					- slight/intermittent	- 1		
					- mild/common or moderate/intermittent	- 2		
					- moderate/common	- 3		
					- marked/prolonged	- 4		
Maximal dystonia - LLE	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Motor	dystlle	single- choice	- absent	- 0		
					- slight/intermittent	- 1		
					- mild/common or moderate/intermittent	- 2		
					- moderate/common	- 3		
					- marked/prolonged	- 4		
Maximal chorea - Face	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Motor	chorface	single- choice	- absent	- 0		
					- slight/intermittent	- 1		
					- mild/common or moderate/intermittent	- 2		
					- moderate/common	- 3		
					- marked/prolonged	- 4		
Maximal chorea - BOL	THD (V1,V2,V3,V4);	Motor	chorbol	single- choice	- absent	- 0		
					- slight/intermittent	- 1		

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

Maximal chorea - LLE	THD (V1,V2,V3,V4); TON (V1,V2,V3)			single-choice	- slight/intermittent	- 1	
					- mild/common or moderate/intermittent	- 2	
					- moderate/common	- 3	
					- marked/prolonged	- 4	
Gait	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Motor	gait	single-choice	- normal gait, narrow base	- 0	
					- wide base and/or slow	- 1	
					- wide base and walks with difficulty	- 2	
					- walks only with assistance	- 3	
Tandem walking	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Motor	tandem	single-choice	- cannot attempt	- 4	
					- normal for 10 steps	- 0	
					- 1 to 3 deviations from straight line	- 1	
					- >3 deviations	- 2	
Retropulsion pull test	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Motor	retropls	single-choice	- cannot complete	- 3	
					- cannot attempt	- 4	
					- normal	- 0	
					- recovers spontaneously	- 1	
Diagnostic confidence level (DCL)	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Motor	diagconf	single-choice	- would fall if not caught	- 2	
					- tends to fall spontaneously	- 3	
					- cannot stand	- 4	
					- normal (no abnormalities)	- 0	
					- non-specific motor abnormalities (less than 50 % confidence)	- 1	
					- 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	Type	Parameter	Coding	Unit	Availability
Behavioural score	THD (V1,V2,V3,V4)	PBA-s	basscore	number				PDS
Depressed mood - Severity	THD (V1,V2,V3,V4)	PBA-s	basdepr	single-choice	- absent	- 0		
					- questionable	- 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		

					<ul style="list-style-type: none"> - 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	
					<ul style="list-style-type: none"> - subject feels sad and utterly miserable all day, takes no pleasure from things that he/she usually enjoys, does not cheer up anytime 	- 4	
Depressed mood - Frequency	THD (V1,V2,V3,V4)	PBA-s	basdeprfre	single-choice	- never/almost never	- 0	
					- seldom (less than once/week)	- 1	
					- sometimes (up to four 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	
Depressed mood - Worst	THD (V1,V2,V3,V4)	PBA-s	basdeprworst	single-choice	- absent	- 0	
					- questionable	- 1	

					<p>- 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</p>	- 2	
					<p>- 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</p>	- 3	
					<p>- subject feels sad and utterly miserable all day, takes no pleasure from things that he/she usually enjoys, does not cheer up anytime</p>	- 4	
Suicidal ideation - Severity	THD (V1,V2,V3,V4)	PBA-s	bassuic	single-choice	- absent	- 0	
					<p>- questionable; also rate 1 if subject plans suicide at a later date when disease is more severe but obtains comfort</p>	- 1	

					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	
Suicidal ideation - Frequency	THD (V1,V2,V3,V4)	PBA-s	bassuicfre	single-choice	- never/almost never	- 0	
					- seldom (less than once/week)	- 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	

Suicidal ideation - Worst	THD (V1,V2,V3,V4)	PBA-s	bassuicworst	single-choice	- absent	- 0	
					- 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	- 1	
					- 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	
Anxiety - Severity	THD (V1,V2,V3,V4)	PBA-s	basanx	single-choice	- absent	- 0	
					- questionable, vague unease (also rate 1 if subject's only worry or anxiety is about prognosis of HD)	- 1	

					<ul style="list-style-type: none"> - 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		
					<ul style="list-style-type: none"> - 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		
					<ul style="list-style-type: none"> - 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		
Anxiety - Frequency	THD (V1,V2,V3,V4)	PBA-s	basanxfre	single-choice	<ul style="list-style-type: none"> - never/almost never 	- 0		
					<ul style="list-style-type: none"> - seldom (less than once/week) 	- 1		
					<ul style="list-style-type: none"> - 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		
Anxiety - Worst	THD (V1,V2,V3,V4)	PBA-s	basanxworst	single-choice	- absent	- 0		
					- 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		
Irritability - Severity	THD (V1,V2,V3,V4)	PBA-s	basirrit	single-choice	- no more irritable than the average person	- 0		
					- questionable or trivial; within normal limits but worse than he/she used to be	- 1		
					- 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		

					<ul style="list-style-type: none"> - 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		
					<ul style="list-style-type: none"> - subject very irritable and loses temper without any obvious reason at all; living with him/her is like walking on eggshells 	- 4		
Irritability - Frequency	THD (V1,V2,V3,V4)	PBA-s	basirritfre	single-choice	- never/almost never	- 0		
					- seldom (less than once/week)	- 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		

Irritability - Worst	THD (V1,V2,V3,V4)	PBA-s	basirritworst	single-choice	- no more irritable than the average person	- 0	
					- questionable or trivial; within normal limits but worse than he/she used to be	- 1	
					- 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	

					<ul style="list-style-type: none"> - 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		
					<ul style="list-style-type: none"> - 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 behaviour - Severity	THD (V1,V2,V3,V4)	PBA-s	basbeh	single-choice	- normal	- 0		
					- 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		
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					<p>- 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.</p>	- 3		
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					- 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		
Angry or aggressive behaviour - Frequency	THD (V1,V2,V3,V4)	PBA-s	basbehfre	single-choice	- never/almost never	- 0		
					- seldom (less than once/week)	- 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		
Angry or aggressive behaviour - Worst	THD (V1,V2,V3,V4)	PBA-s	basbehworst	single-choice	- normal	- 0		
					- questionable	- 1		

					<p>- 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</p>	- 2		
					<p>- 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</p>	- 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 (V3,V4)	PBA-s	basenthusiasm		- absent	- 0	

Enthusiasm/spontaneity - Severity				single-choice	- 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	
					- 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	
Enthusiasm/spontaneity - Frequency	THD (V3)	PBA-s	basenthusiasmfre	single-choice	- never/almost never	- 0	
					- seldom (less than once/week)	- 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	

Household chores - Severity	THD (V3,V4)	PBA-s	bashhchores	single-choice	- symptom absent	- 0	
					- 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	
Household chores - Frequency	THD (V3)	PBA-s	bashhchoresfre	single-choice	- never/almost never	- 0	
					- seldom (less than once/week)	- 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	
	THD (V3,V4)	PBA-s	baspersev		- symptom absent	- 0	

Lack of perseverance (failure to complete tasks once started) - Severity				single- choice	- 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	
					- 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	
					- never/almost never	- 0	
	THD (V3)	PBA-s	baspersevfre				

Lack of perseverance (failure to complete tasks once started) - Frequency				single- choice	- seldom (less than once/week)	- 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	
Hobbies/spare time activities - Severity	THD (V3,V4)	PBA-s	bashobby	single- choice	- symptom absent	- 0	
					- spends less time engaged in hobbies/leisure pursuits, but still initiates them without prompting	- 1	
					- 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	

					<p>- 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</p>	- 3		
					<p>- 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</p>	- 4		

					on or changing channel to do this)			
Hobbies/spare time activities - Frequency	THD (V3,V4)	PBA-s	bashobbyfre	single-choice	- never/almost never	- 0		
					- seldom (less than once/week)	- 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		
Social activities - Severity	THD (V3,V4)	PBA-s	bassocact	single-choice	- symptom absent	- 0		
					- 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	- 0	
					- seldom (less than once/week)	- 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	- 0	
					- questionable or trivial	- 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	
Spontaneous conversation - Frequency	THD (V3)	PBA-s	bassconvfre	single-choice	- never/almost never	- 0	
					- seldom (less than once/week)	- 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	
Self-care - Severity	THD (V3,V4)	PBA-s	bascare		- symptom absent	- 0	

					<ul style="list-style-type: none"> - no outward change in grooming and self-care, but less interested in fashion and appearance, no longer takes pleasure from new clothes, etc. 	- 1		
				single-choice	<ul style="list-style-type: none"> - 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 limits, but still takes an obvious interest and pride in his/her appearance and routinely initiates grooming activities or requests help in this area 	- 2		
					<ul style="list-style-type: none"> - subject's self care has deteriorated below socially acceptable limits (e.g. may need prompting to shave or change clothes) 	- 3		

					- subject would not engage in any grooming activities without prompting (e.g. would not wash without carer prompting or initiating washing)	- 4		
Self-care - Frequency	THD (V3)	PBA-s	bascarefre	single-choice	- never/almost never	- 0		
					- seldom (less than once/week)	- 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		
Lack of initiative (apathy) - Severity	THD (V1,V2,V3,V4)	PBA-s	basapath	single-choice	- symptom absent	- 0		
					- 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	- 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	
Lack of initiative (apathy) - Frequency	THD (V1,V2,V3,V4)	PBA-s	basapathfre	single-choice	- never/almost never	- 0	
					- seldom (less than once/week)	- 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	
Lack of initiative (apathy) - Worst	THD (V2,V3,V4)	PBA-s	basapathworst	single-choice	- symptom absent	- 0	
					- questionable	- 1	

					<ul style="list-style-type: none"> - 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		
					<ul style="list-style-type: none"> - 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		
Obsessive-compulsive behaviours - Severity	THD (V2,V3,V4)	PBA-s	basobscomp	single-choice	- symptom absent	- 0		
					- questionable or trivial	- 1		
					- 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		

					<p>- 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</p>	- 3		
					<p>- 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</p>	- 4		
Obsessive-compulsive behaviours - Frequency	THD (V2,V3,V4)	PBA-s	basobscompfre	single-choice	- never/almost never	- 0		
					- seldom (less than once/week)	- 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		
Obsessive-compulsive behaviours - Worst	THD (V2,V3,V4)	PBA-s	basobscompworst	single-choice	- symptom absent	- 0		
					- questionable or trivial	- 1		
					- 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		
Perseverative thinking or behaviour - Severity	THD (V1,V2,V3,V4)	PBA-s	basthink	single-choice	- symptom absent	- 0		
					- 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		

					<p>- 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</p>	- 3		
					<p>- 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</p>	- 4		

					significantly with everyday care			
Perseverative thinking or behaviour - Frequency	THD (V1,V2,V3,V4)	PBA-s	basthinkfre	single-choice	- never/almost never	- 0		
					- seldom (less than once/week)	- 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		
Perseverative thinking or behaviour - Worst	THD (V2,V3,V4)	PBA-s	basthinkworst	single-choice	- symptom absent	- 0		
					- questionable	- 1		

					<p>- 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)</p>	- 2		
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					<p>- 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</p>	- 3		
					<p>- 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</p>	- 4		

					significantly with everyday care			
Delusions / paranoid thinking - Severity	THD (V1,V2,V3,V4)	PBA-s	basdel	single-choice	- symptom absent	- 0		
					- questionable or trivial	- 1		
					- 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		
Delusions / paranoid thinking - Frequency	THD (V1,V2,V3,V4)	PBA-s	basdelfre	single-choice	- never/almost never	- 0		
					- seldom (less than once/week)	- 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		
Delusions / paranoid thinking - Worst	THD (V1,V2,V3,V4)	PBA-s	basdelworst	single-choice	- symptom absent	- 0		
					- questionable or trivial	- 1		
					- overvalued ideas (not amounting to true delusions) are present for some part of the day but do not affect subject's behaviour	- 2		

					<ul style="list-style-type: none"> - 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		
					<ul style="list-style-type: none"> - 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		
Hallucinations - Severity	THD (V1,V2,V3,V4)	PBA-s	bashall	single-choice	<ul style="list-style-type: none"> - symptom absent 	- 0		
					<ul style="list-style-type: none"> - questionable or trivial 	- 1		
					<ul style="list-style-type: none"> - subject reports experiencing hallucinations (when asked) but these do not appear to cause any distress or affect subject's behaviour 	- 2		
					<ul style="list-style-type: none"> - 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	bashallmod__1	boolean	- no	- 0	
					- yes	- 1	
Modality of hallucinations - visual	THD (V1,V2,V3,V4)	PBA-s	bashallmod__2	boolean	- no	- 0	
					- yes	- 1	
Modality of hallucinations - tactile	THD (V1,V2,V3,V4)	PBA-s	bashallmod__3	boolean	- no	- 0	
					- yes	- 1	
Modality of hallucinations - olfactory	THD (V1,V2,V3,V4)	PBA-s	bashallmod__4	boolean	- no	- 0	
					- yes	- 1	
Modality of hallucinations - gustatory	THD (V1,V2,V3,V4)	PBA-s	bashallmod__5	boolean	- no	- 0	
					- yes	- 1	
Frequency	THD (V1,V2,V3,V4)	PBA-s	bashallfre	single-choice	- never/almost never	- 0	
					- seldom (less than once/week)	- 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		
Worst	THD (V2,V3,V4)	PBA-s	bashallworst	single-choice	- symptom absent	- 0		
					- questionable or trivial	- 1		
					- 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 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	bashallmodw__1	boolean	- no	- 0		Available upon SRC approval
					- yes	- 1		
Modality of hallucinations - visual	THD (V2,V3,V4)	PBA-s	bashallmodw__2	boolean	- no	- 0		
					- yes	- 1		
Modality of hallucinations - tactile	THD (V2,V3,V4)	PBA-s	bashallmodw__3	boolean	- no	- 0		
					- yes	- 1		

Modality of hallucinations - olfactory	THD (V2,V3,V4)	PBA-s	bashallmodw__4	boolean	- no	- 0		
					- yes	- 1		
Modality of hallucinations - gustatory	THD (V2,V3,V4)	PBA-s	bashallmodw__5	boolean	- no	- 0		
					- yes	- 1		
Disoriented Behaviour - Severity	THD (V1,V2,V3,V4)	PBA-s	basorient	single-choice	- symptom absent	- 0		PDS
					- questionable or trivial (e.g. subject gets day wrong ± one 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 after him/her	- 4		
Disoriented Behaviour - Frequency	THD (V1,V2,V3,V4)	PBA-s	basorientfre	single-choice	- never/almost never	- 0		
					- seldom (less than once/week)	- 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		
Disoriented Behaviour - Worst	THD (V2,V3,V4)	PBA-s	basorientworst	single-choice	- symptom absent	- 0		
					- questionable or trivial (e.g. subject gets day wrong ± day, or fails to recognise people when meeting them out of their normal context)	- 1		

					<ul style="list-style-type: none"> - subject does not seem to be fully aware of surroundings or the passage of time, but this does not cause significant practical problems 	- 2		
					<ul style="list-style-type: none"> - 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		
					<ul style="list-style-type: none"> - 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		
Comment	THD (V1,V2,V3,V4)	PBA-s	bascomment	text				Not Available
Is informant a relative?	THD (V1,V2,V3,V4)	PBA-s	basrelative	single-choice	- spouse or partner	- 1		PDS
					- parent	- 2		

					- 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		
Is informant a household member?	THD (V1,V2,V3,V4)	PBA-s	bashousehold	single-choice	- household member (i.e. relative or friend who lives with subject)	- 1		
					- not a household member but has frequent contact with subject (most days)	- 2		
					- 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	Type	Parameter	Coding	Unit	Availability
Teens activity - available	THD (V4);	Physical Activities	rteens	boolean	- no	- 0		PDS
					- yes	- 1		

	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	rtvn__1	boolean	- no	- 0		
					- yes	- 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	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	rtmn__1	boolean	- no	- 0		
					- yes	- 1		
Teens activity - Light activity - Daily - min	THD (V4); TON (V1)	Physical Activities	rtladmin	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	rtlmin	number				
Teens activity - Light activity - Never	THD (V4); TON (V1)	Physical Activities	rtln__1	boolean	- no	- 0		
					- yes	- 1		
Teens activity - Score	THD (V4); TON (V1)	Physical Activities	rtscore	number				
20s activity - available	THD (V4); TON (V1)	Physical Activities	rtwent	boolean	- no	- 0		
					- yes	- 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	r2vn__1	boolean	- no	- 0		
					- yes	- 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	r2mn__1	boolean	- no	- 0		
					- yes	- 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				
20s activity - Light activity - Never	THD (V4); TON (V1)	Physical Activities	r2ln__1	boolean	- no	- 0		
					- yes	- 1		
20s activity - Score	THD (V4); TON (V1)	Physical Activities	r2score	number				
30s activity - available	THD (V4);	Physical Activities	rthirty	boolean	- no	- 0		
					- yes	- 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	- 0		
					- yes	- 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	r3mn__1	boolean	- no	- 0		
					- yes	- 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	r3lmmmin	number				
30s activity - Light activity - Never	THD (V4); TON (V1)	Physical Activities	r3ln__1	boolean	- no	- 0		
					- yes	- 1		
30s activity - Score	THD (V4); TON (V1)	Physical Activities	r3score	number				
40s activity - available	THD (V4); TON (V1)	Physical Activities	rfourty	boolean	- no	- 0		
					- yes	- 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	r4vn__1	boolean	- no	- 0		
					- yes	- 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	r4mn__1	boolean	- no	- 0		
					- yes	- 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	r4ln__1	boolean	- no	- 0		
					- yes	- 1		
40s activity - Score	THD (V4); TON (V1)	Physical Activities	r4score	number				
50+s activity - available	THD (V4);	Physical Activities	rfifty	boolean	- no	- 0		
					- yes	- 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	r5vn__1	boolean	- no	- 0		
					- yes	- 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	r5mn__1	boolean	- no	- 0		
					- yes	- 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	r5lmin	number				
50s activity - Light activity - Never	THD (V4); TON (V1)	Physical Activities	r5ln__1	boolean	- no	- 0		
					- yes	- 1		
50s activity - Score	THD (V4); TON (V1)	Physical Activities	r5score	number				
Teens activity - available	THD (V4); TON (V1)	Physical Activities	wteens	boolean	- no	- 0		
					- yes	- 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	wtvn__1	boolean	- no	- 0		
					- yes	- 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	wtmn__1	boolean	- no	- 0		
					- yes	- 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	wtln__1	boolean	- no	- 0		
					- yes	- 1		
Teens activity - Score	THD (V4); TON (V1)	Physical Activities	wtscore	number				
20s activity - available	THD (V4);	Physical Activities	wtwent	boolean	- no	- 0		
					- yes	- 1		

	TON (V1)							
20s activity - Vigorous activity - Daily - min	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	w2vn__1	boolean	- no	- 0		
					- yes	- 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	THD (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	w2mn__1	boolean	- no	- 0		
					- yes	- 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	w2lmin	number				
20s activity - Light activity - Never	THD (V4); TON (V1)	Physical Activities	w2ln__1	boolean	- no	- 0		
					- yes	- 1		
20s activity - Score	THD (V4); TON (V1)	Physical Activities	w2score	number				
30s activity - available	THD (V4); TON (V1)	Physical Activities	wthirty	boolean	- no	- 0		
					- yes	- 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	w3vn__1	boolean	- no	- 0		
					- yes	- 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	w3mn__1	boolean	- no	- 0		
					- yes	- 1		

	TON (V1)							
30s activity - Light activity - Daily - min	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	w3ln__1	boolean	- no	- 0		
					- yes	- 1		
30s activity - Score	THD (V4); TON (V1)	Physical Activities	w3score	number				
40s activity - available	THD (V4);	Physical Activities	wfourty	boolean	- no	- 0		
					- yes	- 1		

	TON (V1)							
40s activity - Vigorous activity - Daily - min	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	w4vn__1	boolean	- no	- 0		
					- yes	- 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	w4mn__1	boolean	- no	- 0		
					- yes	- 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	w4lmin	number				
40s activity - Light activity - Never	THD (V4); TON (V1)	Physical Activities	w4ln__1	boolean	- no	- 0		
					- yes	- 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	- 0		
					- yes	- 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	w5vn__1	boolean	- no	- 0		
					- yes	- 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	w5mn__1	boolean	- no	- 0		
					- yes	- 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	w5ln__1	boolean	- no	- 0		
					- yes	- 1		
50s activity - Score	THD (V4); TON (V1)	Physical Activities	w5score	number				
Teens activity - available	THD (V4);	Physical Activities	hteens	boolean	- no	- 0		
					- yes	- 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	htvn__1	boolean	- no	- 0		
					- yes	- 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	htmwwmin	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	htmn__1	boolean	- no	- 0		
					- yes	- 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	htlmmmin	number				
Teens activity - Light activity - Never	THD (V4); TON (V1)	Physical Activities	htln__1	boolean	- no	- 0		
					- yes	- 1		
Teens activity - Score	THD (V4); TON (V1)	Physical Activities	htscore	number				
20s activity - available	THD (V4); TON (V1)	Physical Activities	htwent	boolean	- no	- 0		
					- yes	- 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	h2vn__1	boolean	- no	- 0		
					- yes	- 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	h2mn__1	boolean	- no	- 0		
					- yes	- 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	h2ln__1	boolean	- no	- 0		
					- yes	- 1		
20s activity - Score	THD (V4); TON (V1)	Physical Activities	h2score	number				
30s activity - available	THD (V4);	Physical Activities	hthirty	boolean	- no	- 0		
					- yes	- 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	h3vn__1	boolean	- no	- 0		
					- yes	- 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	h3mn__1	boolean	- no	- 0		
					- yes	- 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	h3lmin	number				
30s activity - Light activity - Never	THD (V4); TON (V1)	Physical Activities	h3ln__1	boolean	- no	- 0		
					- yes	- 1		
30s activity - Score	THD (V4); TON (V1)	Physical Activities	h3score	number				
40s activity - available	THD (V4); TON (V1)	Physical Activities	hfourty	boolean	- no	- 0		
					- yes	- 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	h4vn__1	boolean	- no	- 0		
					- yes	- 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	h4mn__1	boolean	- no	- 0		
					- yes	- 1		

	TON (V1)							
40s activity - Light activity - Daily - min	THD (V4); TON (V1)	Physical Activities	h4ldmin	number				
40s activity - Light activity - Weekly - frequency	THD (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	h4ln__1	boolean	- no	- 0		
					- yes	- 1		
40s activity - Score	THD (V4); TON (V1)	Physical Activities	h4score	number				
50+s activity - available	THD (V4);	Physical Activities	hfifty	boolean	- no	- 0		
					- yes	- 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	h5vn__1	boolean	- no	- 0		
					- yes	- 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	h5mn__1	boolean	- no	- 0		
					- yes	- 1		
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	h5lmin	number				
50s activity - Light activity - Never	THD (V4); TON (V1)	Physical Activities	h5ln__1	boolean	- no	- 0		
					- yes	- 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	Type	Parameter	Coding	Unit	Availability
When have you usually gone to bed at night? Usual bed time:	THD (V3,V4)	PSQI	bedtime__ h	number			h	PDS
When have you usually gone to bed at night? Usual bed time: - :	THD (V3,V4)	PSQI	bedtime__ min	number			min	
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	getup__h	number				
When have you usually gotten up in the morning? Usual getting up time: - :	THD (V3,V4)	PSQI	getup__min	number				
How many hours of actual sleep did you get at night?	THD (V3,V4)	PSQI	sleepnight	number				
Cannot get to sleep within 30 minutes	THD (V3,V4)	PSQI	sleep30	single-choice	- not during the past month	- 0		
					- less than once a week	- 1		
					- once or twice a week	- 2		
					- three or more times a week	- 3		
Wake up in the middle of the night or early morning	THD (V3,V4)	PSQI	wakeup	single-choice	- not during the past month	- 0		
					- less than once a week	- 1		
					- once or twice a week	- 2		
					- three or more times a week	- 3		
Have to get up to use the bathroom	THD (V3,V4)	PSQI	bathroom	single-choice	- not during the past month	- 0		
					- less than once a week	- 1		
					- once or twice a week	- 2		
					- three or more times a week	- 3		
Cannot breathe comfortably	THD (V3,V4)	PSQI	breathe	single-choice	- not during the past month	- 0		
					- less than once a week	- 1		
					- once or twice a week	- 2		

					- three or more times a week	- 3		Not Available
Cough or snore loudly	THD (V3,V4)	PSQI	cough	single-choice	- not during the past month	- 0		
					- less than once a week	- 1		
					- once or twice a week	- 2		
					- three or more times a week	- 3		
Feel too cold	THD (V3,V4)	PSQI	cold	single-choice	- not during the past month	- 0		
					- less than once a week	- 1		
					- once or twice a week	- 2		
					- three or more times a week	- 3		
Feel too hot	THD (V3,V4)	PSQI	hot	single-choice	- not during the past month	- 0		
					- less than once a week	- 1		
					- once or twice a week	- 2		
					- three or more times a week	- 3		
Had bad dreams	THD (V3,V4)	PSQI	dreams	single-choice	- not during the past month	- 0		
					- less than once a week	- 1		
					- once or twice a week	- 2		
					- three or more times a week	- 3		
Have pain	THD (V3,V4)	PSQI	pain_psqi	single-choice	- not during the past month	- 0		
					- less than once a week	- 1		
					- once or twice a week	- 2		
					- three or more times a week	- 3		
Other reason(s)	THD (V3,V4)	PSQI	otherb	boolean	- no	- 0		
					- yes	- 1		
Please describe	THD (V3,V4)	PSQI	other_psqi	text				Not Available
During past month?	THD (V3,V4)	PSQI	otherrea	single-choice	- not during the past month	- 0		PDS
					- less than once a week	- 1		
					- once or twice a week	- 2		
					- three or more times a week	- 3		

During the past month, how would you rate your sleep quality overall?	THD (V3,V4)	PSQI	sleepquality	single-choice	- very good	- 0	
					- fairly good	- 1	
					- fairly bad	- 2	
					- very bad	- 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	- 0	
					- less than once a week	- 1	
					- once or twice a week	- 2	
					- three or more times a week	- 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	- 0	
					- less than once a week	- 1	
					- once or twice a week	- 2	
					- three or more times a week	- 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	- 0	
					- only a very slight problem	- 1	
					- somewhat of a problem	- 2	
					- a very big problem	- 3	
Sleep behaviour: Do you have a bed partner or roommate?	THD (V3,V4)	PSQI	roommate	single-choice	- no bed partner or roommate	- 1	
					- partner / roommate in other room	- 2	
					- partner in same room, but not same bed	- 3	

					- partner in same bed	- 4		PDS
Loud snoring	THD (V3,V4)	PSQI	snoring	single-choice	- not during the past month	- 0		
					- less than once a week	- 1		
					- once or twice a week	- 2		
					- three or more times a week	- 3		
Long pauses between breaths while asleep	THD (V3,V4)	PSQI	pauses	single-choice	- not during the past month	- 0		
					- less than once a week	- 1		
					- once or twice a week	- 2		
					- three or more times a week	- 3		
Legs twitching or jerking while you sleep	THD (V3,V4)	PSQI	legs	single-choice	- not during the past month	- 0		
					- less than once a week	- 1		
					- once or twice a week	- 2		
					- three or more times a week	- 3		
Episodes of disorientation or confusion during sleep	THD (V3,V4)	PSQI	confusion	single-choice	- not during the past month	- 0		
					- less than once a week	- 1		
					- once or twice a week	- 2		
					- three or more times a week	- 3		
Other restlessness while you sleep?	THD (V3,V4)	PSQI	otherrestlessb	boolean	- no	- 0		
					- yes	- 1		
Please describe	THD (V3,V4)	PSQI	otherrestless	text				Not Available
During past month?	THD (V3,V4)	PSQI	otherrest	single-choice	- not during the past month	- 0		PDS
					- less than once a week	- 1		
					- once or twice a week	- 2		
					- three or more times a week	- 3		
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	Type	Parameter	Coding	Unit	Availability
Distance (Mean)	TON (V1,V2,V3)	QMotor	fps_dis_eo_mnx	number				PDS
Surface (Mean)	TON (V1,V2,V3)	QMotor	fps_sur_eo_mnx	number				
Velocity (Mean)	TON (V1,V2,V3)	QMotor	fps_vel_eo_mnx	number				
Grip Force-Force variability - STDEV/ MEAN*100 (Coefficient of Variation)	TON (V1,V2,V3)	QMotor	lhx_gf_lx_cvf	number				

Grip Force-Force variability - 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 variability - STDEV/ MEAN*100 (Coefficient of Variation)	TON (V1,V2)	QMotor	llx_gf_lx_cvf	number				
Grip Force-Force variability - 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	- 0		
					- yes	- 1		
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				
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				

Not Available

PDS

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 Available
Force Plate Tasks	THD (V2,V3,V4); TON (V1,V2,V3)	QMotor	fpfile	text				

Speeded Tapping Task with Serial 2s completed	THD (V3,V4); TON (V1,V2,V3)	QMotor	st2	boolean	- no	- 0		PDS
					- yes	- 1		
100 No Tap	THD (V3,V4); TON (V1,V2)	QMotor	stap2_trial1_subtract	number				
100 No Tap	THD (V3,V4); TON (V1,V2)	QMotor	stap2_trial1_errors	number				
99 Tap	THD (V3,V4); TON (V1,V2)	QMotor	stap2_trial2_subtract	number				
99 Tap	THD (V3,V4); TON (V1,V2)	QMotor	stap2_trial2_errors	number				
98 Tap	THD (V3,V4); TON (V1,V2)	QMotor	stap2_trial3_subtract	number				
98 Tap	THD (V3,V4); TON (V1,V2)	QMotor	stap2_trial3_errors	number				
97 Tap	THD (V3,V4); TON (V1,V2)	QMotor	stap2_trial4_subtract	number				
97 Tap	THD (V3,V4); TON (V1,V2)	QMotor	stap2_trial4_errors	number				
96 Tap	THD (V3,V4); TON (V1,V2)	QMotor	stap2_trial5_subtract	number				
96 Tap	THD (V3,V4); TON (V1,V2)	QMotor	stap2_trial5_errors	number				
95 Tap	THD (V3,V4); TON (V1,V2)	QMotor	stap2_trial6_subtract	number				
95 Tap	THD (V3,V4); TON (V1,V2)	QMotor	stap2_trial6_errors	number				
GAITrite	THD (V1,V2)	QMotor	gaitfile	text				Not Available

5.3.22 Form “Quality of Life”

Label	Study (Visit)	Form	Variable	Type	Parameter	Coding	Unit	Availability
Total Quality of Life Score	THD (V1,V2,V3,V4); TON (V1)	QOLI	qoliscore	number				PDS
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				
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				
1. Your health?	THD (V1,V2,V3,V4); TON (V1)	QOLI	health	single-choice	- very dissatisfied	- 1		Not Available
					- moderately dissatisfied	- 2		
					- slightly dissatisfied	- 3		
					- slightly satisfied	- 4		
					- moderately satisfied	- 5		
					- very satisfied	- 6		
2. Your health care?	THD (V1,V2,V3,V4); TON (V1)	QOLI	healthcare	single-choice	- very dissatisfied	- 1		PDS
					- moderately dissatisfied	- 2		
					- slightly dissatisfied	- 3		
					- slightly satisfied	- 4		
					- moderately satisfied	- 5		

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

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

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

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

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

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

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

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

					- very important	- 6	
7. Living as long as you would like?	THD (V1,V2,V3,V4); TON (V1)	QOLI	implying	single-choice	- very unimportant	- 1	
					- moderately unimportant	- 2	
					- slightly unimportant	- 3	
					- slightly important	- 4	
					- moderately important	- 5	
					- very important	- 6	
8. Your family's health?	THD (V1,V2,V3,V4); TON (V1)	QOLI	imphealthfam	single-choice	- very unimportant	- 1	
					- moderately unimportant	- 2	
					- slightly unimportant	- 3	
					- slightly important	- 4	
					- moderately important	- 5	
					- very important	- 6	
9. Your children?	THD (V1,V2,V3,V4); TON (V1)	QOLI	impchildren	single-choice	- very unimportant	- 1	
					- moderately unimportant	- 2	
					- slightly unimportant	- 3	
					- slightly important	- 4	
					- moderately important	- 5	
					- very important	- 6	
10. Your family's happiness?	THD (V1,V2,V3,V4); TON (V1)	QOLI	imp happiness	single-choice	- very unimportant	- 1	
					- moderately unimportant	- 2	
					- slightly unimportant	- 3	
					- 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	- 1	
					- moderately unimportant	- 2	
					- slightly unimportant	- 3	
					- slightly important	- 4	
					- moderately important	- 5	
					- very important	- 6	
12. Your spouse, lover, or partner?	THD (V1,V2,V3,V4); TON (V1)	QOLI	impspouse	single-choice	- very unimportant	- 1	
					- moderately unimportant	- 2	
					- slightly unimportant	- 3	
					- slightly important	- 4	
					- moderately important	- 5	
					- very important	- 6	
13. Your friends?	THD (V1,V2,V3,V4); TON (V1)	QOLI	impfriends	single-choice	- very unimportant	- 1	
					- moderately unimportant	- 2	
					- slightly unimportant	- 3	
					- slightly important	- 4	
					- moderately important	- 5	
					- very important	- 6	
14. The emotional support you get from your family?	THD (V1,V2,V3,V4); TON (V1)	QOLI	impsupport	single-choice	- very unimportant	- 1	
					- moderately unimportant	- 2	
					- slightly unimportant	- 3	
					- 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	- 2	
					- slightly unimportant	- 3	
					- slightly important	- 4	
					- moderately important	- 5	
					- very important	- 6	
16. Taking care of family responsibilities?	THD (V1,V2,V3,V4); TON (V1)	QOLI	impresponse	single-choice	- very unimportant	- 1	
					- moderately unimportant	- 2	
					- slightly unimportant	- 3	
					- slightly important	- 4	
					- moderately important	- 5	
17. Being useful to others?	THD (V1,V2,V3,V4); TON (V1)	QOLI	impuseful	single-choice	- very unimportant	- 1	
					- moderately unimportant	- 2	
					- slightly unimportant	- 3	
					- slightly important	- 4	
					- moderately important	- 5	
18. Having no worries?	THD (V1,V2,V3,V4); TON (V1)	QOLI	impworries	single-choice	- very unimportant	- 1	
					- moderately unimportant	- 2	
					- slightly unimportant	- 3	
					- slightly important	- 4	
					- moderately important	- 5	
19. Your neighborhood?	THD (V1,V2,V3,V4); TON (V1)	QOLI	impneighbor	single-choice	- very unimportant	- 1	
					- moderately unimportant	- 2	

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

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

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

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

5.3.23 Form “Samples ACD”

Label	Study (Visit)	Form	Variable	Type	Parameter	Coding	Unit	Availability
CAG smaller allele	THD (V1); TON (V1)	Samples ACD	cagsmaller__value	number				PDS
CAG larger allele	THD (V1); TON (V1)	Samples ACD	caglarger__value	number				PDS

5.3.24 Form “SF-36v2”

Label	Study (Visit)	Form	Variable	Type	Parameter	Coding	Unit	Availability
Physical Functioning (PF)	THD (V1,V2,V3)	SF-36v2	pfscore	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	rpscore	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	bpscore	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	ghscore	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	sfscore	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	rescore	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	mhscore	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				PDS
1. In general, would you say your health is?	THD (V1,V2,V3)	SF-36v2	general_sf36	single-choice	- poor	- 1		
					- fair 3.4	- 2		
					- excellent	- 5		
2. Compared to one year ago, how would you rate your health in general now?	THD (V1,V2,V3)	SF-36v2	compared	single-choice	- much better now than one year ago	- 1		Available upon SRC approval
					- somewhat better now than one year ago	- 2		
					- about the same as one year ago	- 3		
					- somewhat worse now than one year ago	- 4		
					- much worse now than one year ago	- 5		
Vigorous activities, such as running, lifting heavy objects, participating in strenuous sports	THD (V1,V2,V3)	SF-36v2	activitiesv	single-choice	- yes, limited a lot	- 1		
					- yes, limited a little	- 2		
					- No, not limited at all	- 3		
Moderate activities, such as	THD (V1,V2,V3)	SF-36v2	activitiesm	single-choice	- yes, a lot	- 1		
					- yes, a little	- 2		

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

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

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

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

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

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

5.3.25 Form “UHDRS Total Functional Capacity (TFC)”

Label	Study (Visit)	Form	Variable	Type	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
Occupation	THD (V1,V2,V3,V4); TON (V1,V2,V3)	TFC	occupatn	single- choice	- unable	- 0	PDS	
					- marginal work only	- 1		
					- reduced capacity for usual job	- 2		
					- normal	- 3		
Finances	THD (V1,V2,V3,V4); TON (V1,V2,V3)	TFC	finances_ tfc	single- choice	- unable	- 0		
					- major assistance	- 1		
					- slight assistance	- 2		
					- normal	- 3		
Domestic chores	THD (V1,V2,V3,V4); TON (V1,V2,V3)	TFC	chores	single- choice	- unable	- 0		
					- impaired	- 1		
					- normal	- 2		
ADL	THD (V1,V2,V3,V4); TON (V1,V2,V3)	TFC	adl	single- choice	- total care	- 0		
					- gross tasks only	- 1		
					- minimal impairment	- 2		
					- normal	- 3		
Care level	THD (V1,V2,V3,V4); TON (V1,V2,V3)	TFC	carelevl	single- choice	- full time skilled nursing	- 0		
					- home or chronic care	- 1		
					- 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	Type	Parameter	Coding	Unit	Availability
Hemisphere assessed	TON (V1,V2,V3)	TMS	hemisphere	single-choice	- right	- 1		PDS
					- left	- 2		
Somatosensory evoked potentials (SEP)	TON (V1,V2,V3)	TMS	sep	boolean	- no	- 0		
					- yes	- 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				
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				Not Available
RAW data	TON (V1,V2,V3)	TMS	sep_motor_raw	text				
RAW data	TON (V1,V2,V3)	TMS	sep_150pct_raw	text				

Long Latency Reflex (LLR)	TON (V1,V2,V3)	TMS	llr	boolean	- no	- 0		PDS
					- yes	- 1		
Stimulation intensity used for LLR	TON (V1,V2,V3)	TMS	llr_intensity	number				
RAW data	TON (V1,V2,V3)	TMS	llr_raw	text				Not Available
Transcranial magnetic stimulation	TON (V1,V2,V3)	TMS	tms	boolean	- no	- 0		PDS
					- yes	- 1		
Resting motor threshold	TON (V1,V2,V3)	TMS	tms_thrhd_resting	number				
Active motor threshold	TON (V1,V2,V3)	TMS	tms_thrhd_active	number				
I/O rest	TON (V1,V2,V3)	TMS	tms_iorest	boolean	- no	- 0		
					- yes	- 1		
110% resting motor threshold	TON (V1,V2,V3)	TMS	tms_iorest_110_motor	number				
130% resting motor threshold	TON (V1,V2,V3)	TMS	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				Not Available
RAW data	TON (V1,V2,V3)	TMS	tms_iorest_130_raw	text				
RAW data	TON (V1,V2,V3)	TMS	tms_iorest_150_raw	text				
I/O active	TON (V1,V2,V3)	TMS	tms_ioactv	boolean	- no	- 0		PDS
					- yes	- 1		
125% active motor threshold	TON (V1,V2,V3)	TMS	tms_ioact_125_motor	number				

150% active motor threshold	TON (V1,V2,V3)	TMS	tms_ioact_150_motor	number				Not Available
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 afferent inhibition (SAI)	TON (V1,V2,V3)	TMS	tms_sai	boolean	- no	- 0		
					- yes	- 1		
Stimulation intensity for unconditioned MEP	TON (V1,V2)	TMS	tms_sai_intens_mep	number				PDS
N20+2	TON (V1,V2)	TMS	isi_n202	number				
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				Not Available
Optional rapid PAS	TON (V1,V2,V3)	TMS	pas	boolean	- no	- 0		
					- yes	- 1		
Comment available	TON (V1,V2,V3)	TMS	comment	boolean	- no	- 0		
					- yes	- 1		
Comment	TON (V1,V2,V3)	TMS	commentspc	text				

Upload of entered TMS record sheet	TON (V1,V2,V3)	TMS	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 Available
TMS Analysis File successfully uploaded and imported:	TON (V1,V2,V3)	TMS	tmscsvsuccess	boolean	- no - yes	- 0 - 1		
Somatosensory evoked potentials (SEP)	TON (V1,V2,V3)	TMS	sep_anlys	boolean	- no - yes	- 0 - 1		PDS
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				
Long Latency Reflex (LLR)	TON (V1,V2,V3)	TMS	llr_anlys	boolean	- no - yes	- 0 - 1		
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 stimulation	TON (V1,V2,V3)				- yes	- 1		
I/O rest	TON (V1,V2,V3)	TMS	tms_iorest_anlys	boolean	- no	- 0		
					- 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		
					- yes	- 1		
MEP area at 125% AMT	TON (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)	TMS	tms_ioactiv_175_spd	number				
MEP area at 175% AMT/Cortical silent period duration at 175% AMT	TON (V1,V2,V3)	TMS	tms_ioactiv_175_area_spd	number				
Short latency sensory afferent inhibition (SAI)	TON (V1,V2,V3)	TMS	tms_sai_anlys	boolean	- no	- 0		
					- 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	Type	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				
BMI	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Variable Items	bmi	number				
Occupation	THD (V1)	Variable Items	occupation__name	text				
Employment	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Variable Items	employ	single- choice	- full-time	- 0		
					- part-time	- 1		
					- unemployed	- 2		
					- retired	- 3		
Marital status	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Variable Items	maritalstatus	single- choice	- single	- 1		
					- married	- 2		
					- partnership	- 3		
					- divorced	- 4		
					- widowed	- 5		
Do you have a companion that lives with you?	THD (V1,V2,V3,V4)	Variable Items	companion	boolean	- no	- 0		
					- 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	- 0		
					- yes	- 1		
Current education level (ISCED 2010)	THD (V3); TON (V1)	Variable Items	iscd	single-choice	- ISCED 0	- 0		
					- ISCED 1	- 1		
					- ISCED 2	- 2		
					- ISCED 3	- 3		
					- ISCED 4	- 4		
					- ISCED 5	- 5		
					- ISCED 6	- 6		
Is the partner/spouse the same person as at visit 1	THD (V3)	Variable Items	maritalstatuspers	boolean	- no	- 0		
					- yes	- 1		
Are you currently participating in a clinical drug trial	THD (V3,V4)	Variable Items	cltrial	boolean	- no	- 0		
					- yes	- 1		
Subject group	THD (V3,V4)	Variable Items	sgroup_thd	single-choice	- control subject	- 0		
					- premanifest gene carrier	- 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 Available
What is the highest degree that you have completed? (V2)	THD (V3)	Variable Items	highest_education_v2	text				
Is the partner/spouse the same person as at all previous visits	THD (V4)	Variable Items	samepartner	single-choice	- no, different to all previous visits	- 0		PDS
					- yes, same at all visits	- 1		
					- no, same at some previous visits	- 2		
Partner in previous visit - visit 1	THD (V4)	Variable Items	samepartnervisits__1	boolean	- no	- 0		
					- yes	- 1		
Partner in previous visit - visit 2	THD (V4)	Variable Items	samepartnervisits__2	boolean	- no	- 0		
					- yes	- 1		
Partner in previous visit - visit 3	THD (V4)	Variable Items	samepartnervisits__3	boolean	- no	- 0		
					- 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	- 2		
					- cohabiting partner/spouse of early-HD subject	- 3		
Signature of subject for V4	THD (V4)	Variable Items	signpv4	boolean	- no	- 0		Not Available
					- yes	- 1		
Visit day	THD (V4)	Variable Items	svstdy	number				PDS
Subject group	TON (V1,V2,V3)	Variable Items	sgroup_ton	single-choice	- control subject	- 1		
					- premanifest gene carrier	- 2		
					- control subject (TRACK-HD)	- 3		
					- premanifest gene carrier (TRACK-HD)	- 4		
Do you have a companion who will be completing questionnaires?	TON (V1,V2,V3)	Variable Items	qscmp	boolean	- no	- 0		
					- yes	- 1		
Is it the same companion as at all previous TRACK-HD visits?	TON (V1,V2,V3)	Variable Items	cmpvs	single-choice	- no, different to all previous visits	- 0		
					- yes, same at all visits	- 1		
					- no, same at some previous visits	- 2		
Specify previous TRACK-HD visit(s) - visit 1	TON (V1)	Variable Items	cmpvsn__1	boolean	- no	- 0		
					- yes	- 1		
	TON (V1)		cmpvsn__2	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	cmpvsn__3	boolean	- no	- 0		
					- yes	- 1		
Specify previous TRACK-HD visit(s) - visit 4	TON (V1)	Variable Items	cmpvsn__4	boolean	- no	- 0		
					- yes	- 1		
Is informant	TON (V1,V2,V3)	Variable Items	cmpstat	single-choice	- spouse or partner	- 1		
					- parent	- 2		
					- sibling	- 3		
					- child	- 4		
					- other relative	- 5		
					- friend or neighbour	- 6		
					- professional care worker	- 7		
					- other	- 8		
Is informant a household member?	TON (V1,V2,V3)	Variable Items	cmphh	single-choice	- household member (i.e. relative or friend who lives with subject)	- 1		
					- not a household member but has frequent contact with subject (most days)	- 2		
					- not a household member and sees subject less than three or four times a week	- 3		
					- staff of residential care 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	- 0		
					- yes	- 1		
Concomitant significant neurological disorder	TON (V2,V3)	Variable Items	ec2	boolean	- no	- 0		
					- yes	- 1		
Concomitant significant medical illness	TON (V2,V3)	Variable Items	ec3	boolean	- no	- 0		
					- yes	- 1		
History of significant head injury	TON (V2,V3)	Variable Items	ec4	boolean	- no	- 0		
					- yes	- 1		
Predictable non-compliance by drug and/or alcohol abuse	TON (V2,V3)	Variable Items	ec5	boolean	- no	- 0		
					- yes	- 1		
Significant hand injuries that preclude either writing or rapid computerized responding	TON (V2,V3)	Variable Items	ec6	boolean	- no	- 0		
					- yes	- 1		
Currently participating in a clinical drug trial	TON (V2,V3)	Variable Items	ec7	boolean	- no	- 0		
					- yes	- 1		

PDS

Available upon SRC approval

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

5.4 Data file “oculomotor”

Label	Study (Visit)	Form	Variable	Type	Parameter	Coding	Unit	Availability
Recoded HDID	THD (V1,V2,V3,V4); TON (V1,V2)	Key Vars	subjid	text				PDS
Study ID	THD (V1,V2,V3,V4); TON (V1,V2)	Key Vars	studyid	text				
Visit Number	THD (V1,V2,V3,V4); TON (V1,V2)	Key Vars	visitnum	number				Not Available
Form Number	THD (V1,V2,V3,V4); TON (V1,V2)	Key Vars	nr	number				
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				
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				PDS
Visit Status	THD (V1,V2,V3,V4); TON (V1,V2)	Key Vars	visstat	text	- editing - plausible - signed - reviewing			

					- completed - checked			
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5.4.1 Form “Oculomotor”

Label	Study (Visit)	Form	Variable	Type	Parameter	Coding	Unit	Availability
LatencyMeter File (LDF)	THD (V1,V2,V3,V4); TON (V1,V2)	Oculomotor	ldffile	text				Not Available
Oculomotor Analysis File	THD (V1,V2,V3,V4); TON (V1,V2)	Oculomotor	oculomcsv	text				
Import Report	THD (V1,V2,V3,V4); TON (V1,V2)	Oculomotor	oab_import_report	text				
Oculomotor Analysis File successfully uploaded and imported:	TON (V1)	Oculomotor	oculomotorcsvsuccess	boolean	- no	- 0		PDS
					- yes	- 1		
Saccades Accepted	TON (V1)	Oculomotor	acc	number				
Error rate	TON (V1)	Oculomotor	err	number				
Latency Median	TON (V1)	Oculomotor	latmed	number				
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		Not Available
Session	THD (V1,V2,V3,V4); TON (V1,V2)	Oculomotor	session	text				
Comment	THD (V1,V2,V3,V4); TON (V1,V2)	Oculomotor	comment	text				
Ishihara RGcb	THD (V1)	Oculomotor	rgcb	boolean	- no	- 0		PDS
					- yes	- 1		

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	ap	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	vtsc1	number				
VELOCITY total (SD) - CON1	THD (V1,V2,V3,V4)	Oculomotor	vtsc2	number				
VELOCITY total (SD) - CON2	THD (V1,V2,V3,V4)	Oculomotor	vtsc3	number				
VELOCITY total (SD) - CON3	THD (V1,V2,V3,V4)	Oculomotor	vtsc1	number				
VELOCITY total (SD) - PRO	THD (V1,V2,V3,V4)	Oculomotor	vtsc2	number				
VELOCITY pro (med) - CONTOTAL	THD (V1,V2,V3,V4)	Oculomotor	vtsc3	number				
VELOCITY pro (med) - CON1	THD (V1,V2,V3,V4)	Oculomotor	vtmpr	number				
VELOCITY pro (med) - CON2	THD (V1,V2,V3,V4)	Oculomotor	vpmct	number				
VELOCITY pro (med) - CON3	THD (V1,V2,V3,V4)	Oculomotor	vpmc1	number				
VELOCITY pro (SD) - CONTOTAL	THD (V1,V2,V3,V4)	Oculomotor	vpmc2	number				
VELOCITY pro (SD) - CON1	THD (V1,V2,V3,V4)	Oculomotor	vpmc3	number				
VELOCITY pro (SD) - CON2	THD (V1,V2,V3,V4)	Oculomotor	vpsc1	number				
VELOCITY pro (SD) - CON3	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				PDS
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				
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				
Snellen visual acuity equivalent	THD (V3)	Oculomotor	snellenvae	single- choice	20/200	- 1		
					- 20/160	- 2		
					- 20/125	- 3		
					- 20/100	- 4		
					- 20/80	- 5		
					- 20/64	- 6		
					- 20/50	- 7		
					- 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	Type	Parameter	Coding	Unit	Availability
Recoded HDID	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Key Vars	subjid	text				PDS
Study ID	THD (V1,V2,V3,V4); TON (V1,V2,V3)	Key Vars	studyid	text				
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			

5.5.1 Form “Magnetic resonance imaging (MRI)”

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

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 (precision)	TON (V1,V2,V3)	MRI	scandtc__prec	single- choice	- precision in days	- d		
					- precision in months	- m		
					- precision in years	- y		
Scan day	TON (V1,V2,V3)	MRI	scandy	number				PDS
Date of scan (precision)	TON (V1,V2,V3)	MRI	scandy__prec	single- choice	- precision in days	- d		Not Available
					- precision in months	- m		
					- precision in years	- y		
No	TON (V1,V2,V3)	MRI	scanuplds	number				
MRI type	TON (V1,V2,V3)	MRI	mritype_ton	single- choice	- unknown	- 0		
					- MRI	- 1		
					- fMRI 3	- 2		
					- DTI	- 3		
Subtype	TON (V1,V2,V3)	MRI	subtype	single- choice	- T1W	- 1		
					- T1W repeat	- 2		
					- T2W	- 3		
					- Resting state	- 4		
					- Working memory task	- 5		
					- 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
					- yes	- 1		
QC Status	TON (V1,V2,V3)	MRI	scanstatus	single-choice	- passed	- 1		PDS
					- failed	- 2		
					- deleted	- 3		
Radiologist's comment available	TON (V1,V2,V3)	MRI	rcommentyn	boolean	- no	- 0		
					- 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 (precision)	TON (V1,V2,V3)	MRI	dtcread__prec	single-choice	- precision in days	- d		Not Available
					- precision in months	- m		
					- precision in years	- y		
Comment	TON (V1,V2,V3)	MRI	rcomment	text				
Radiologist has confirmed that	TON (V1,V2,V3)	MRI	rconfirm	boolean	- the images are suitable for the Track-Hd study	- 1		
					- the images are not suitable for the Track-HD study	- 2		
MRI QC	TON (V1,V2,V3)	MRI	mriqc	single-choice	- fail	- 0		PDS
					- pass	- 1		
					- borderline	- 2		
MRI QC comment	TON (V1,V2,V3)	MRI	mriqccomment	text				Not Available

CEST/MTR QC	TON (V3)	MRI	cestmtrqc	single-choice	- fail	- 0		PDS
					- pass	- 1		
					- borderline	- 2		
CEST/MTR QC comment	TON (V1,V2,V3)	MRI	cestmtrqccomment	text				Not Available
DTI QC	TON (V1,V2,V3)	MRI	dtiqc	single-choice	- fail	- 0		PDS
					- pass	- 1		
					- borderline	- 2		
Full DTI QC report upload	TON (V1,V2,V3)	MRI	dtiqcreport	text				Not Available
DTI QC comment	TON (V1,V2,V3)	MRI	dtiqccomment	text				
fMRI QC	TON (V1,V2)	MRI	fmriqc	single-choice	- fail	- 0		PDS
					- pass	- 1		
					- 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	Type	Parameter	Coding	Unit	Availability
Technologist's name	THD (V1,V2)	MRI 1.5T	tname	text				Not Available
Quality check	THD (V1,V2)	MRI 1.5T	tqc	single-choice	- good	- 1		PDS
					- poor	- 2		
Comment	THD (V1,V2)	MRI 1.5T	tcomment	text				Not Available
Technologist has confirmed that	THD (V1,V2)	MRI 1.5T	tconfirm	boolean	- no	- 0		PDS
					- yes	- 1		

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	- 0		Not Available
					- yes	- 1		
					- same as for 3T	- 2		
Radiologist's name	THD (V1,V2)	MRI 1.5T	rname	text				
Date of read	THD (V1,V2)	MRI 1.5T	dtcread	date				
Date of read (precision)	THD (V1,V2)	MRI 1.5T	dtcread__prec	single-choice	- precision in days	- d		
					- precision in months	- m		
					- precision in years	- y		
Comment	THD (V1,V2)	MRI 1.5T	rcomment	text				
Radiologist has confirmed that	THD (V1,V2)	MRI 1.5T	rconfirm	boolean	- the images are suitable for the Track-Hd study	- 1		
					- the images are not suitable for the Track-HD study	- 2		
Quality control result	THD (V1,V2)	MRI 1.5T	resultsum	single-choice	- pass	- 1		PDS
					- fail	- 2		
					- borderline	- 3		
Full report upload	THD (V1,V2)	MRI 1.5T	fullreport	text				Not Available
QC comment	THD (V1,V2)	MRI 1.5T	qccomment	text				

MRI type	THD (V1,V2)	MRI 1.5T	mritype	single-choice	- unknown	- 0		PDS
					- T1W	- 1		
					- T1W repeat	- 2		
					- T2W	- 3		
					- DTI	- 4		
Scan description	THD (V1,V2)	MRI 1.5T	scandesc	text				Not Available
Date of scan	THD (V1,V2)	MRI 1.5T	scandtc	date				
Date of scan (precision)	THD (V1,V2)	MRI 1.5T	scandtc__ prec	single-choice	- precision in days	- d		
					- precision in months	- m		
					- precision in years	- y		
Scan day	THD (V1,V2)	MRI 1.5T	scandy	number				PDS
Scan ID	THD (V1,V2)	MRI 1.5T	scanid	number				
QC Status	THD (V1,V2)	MRI 1.5T	scanstatus	single-choice	- passed	- 1		
					- failed	- 2		
					- 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	Type	Parameter	Coding	Unit	Availability
Technologist's name	THD (V1,V2,V3,V4)	MRI 3T	tname	text				Not Available

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

5.5.4 Form “Magnetic resonance imaging (fMRI QC)”

Label	Study (Visit)	Form	Variable	Type	Parameter	Coding	Unit	Availability
Study ID	TON (V3)	F-MRI QC	stdyid	text				PDS
Scan ID	TON (V3)	F-MRI QC	scanid	number				
Scan description	TON (V3)	F-MRI QC	scandesc	text				Not Available
Date of scan	TON (V3)	F-MRI QC	scandtc	date				
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		
Scan day	TON (V3)	F-MRI QC	scandy	number				PDS
No	TON (V3)	F-MRI QC	scanuplds	number				
MRI type (THD)	TON (V3)	F-MRI QC	mritype_thd	single-choice	- unknown - T1W - T1W repeat - T2W	- 0 - 1 - 2 - 3		Not Available

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

5.5.5 Form “Magnetic resonance imaging (MRI DTI QC)”

Label	Study (Visit)	Form	Variable	Type	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				
Scan description	THD (V1,V2,V3,V4)	MRI DTI QC	scandesc	text				Not Available
Date of scan	THD (V1,V2,V3,V4)	MRI DTI QC	scandtc	date				
Date of scan (precision)	THD (V1,V2,V3,V4)	MRI DTI QC	scandtc__prec	single-choice	- precision in days	- d		
					- precision in months	- m		
					- 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	scandy__prec	single- choice	- precision in days	- d		Not Available
					- precision in months	- m		
					- precision in years	- y		
No	THD (V1,V2,V3,V4)	MRI DTI QC	scanuplds	number				PDS
MRI type	THD (V1,V2,V3,V4)	MRI DTI QC	mritype	single- choice	- unknown	- 0		
					- T1W	- 1		
					- T1W repeat	- 2		
					- T2W	- 3		
					- DTI	- 4		
QC Status	THD (V1,V2,V3,V4)	MRI DTI QC	scanstatus	single- choice	- passed	- 1		
					- failed	- 2		
					- deleted	- 3		
Quality control result	THD (V3,V4)	MRI DTI QC	resultsum	single- choice	- pass	- 1		
					- fail	- 2		
					- borderline	- 3		
Full report upload	THD (V1,V2,V3,V4)	MRI DTI QC	fullreport	text				Not Available
QC comment	THD (V1,V2,V3,V4)	MRI DTI QC	qccomment	text				

5.6 Data file “mri_morphometrics”

Label	Study	Form	Variable	Type	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	Type	Parameter	Coding	Unit	Availability
MIDAS scan ID 1	THD, TON	Morphometric	scan_1	number				Not Available
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				
Visit 2 Scan date	THD, TON	Morphometric	scandate_2	date				
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				PDS
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				
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			cm ³	
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			cm ³	
BBSI brain change visit 3 to 2	THD, TON	Morphometric	bbsi_3_2	bumber			cm ³	

BBSI brain change visit 4 to 2	THD	Morphometric	bbsi_4_2	number			cm ³	
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			cm ³	
Caudate volume at visit 3	THD	Morphometric	caudate_3	number			cm ³	
Caudate volume at visit 1 generated by IOWA's BRAINS software	THD, TON	Morphometric	caudate_iowa_1	number			cm ³	Available upon SRC approval
Caudate volume at visit 2 generated by IOWA's BRAINS software	THD, TON	Morphometric	caudate_iowa_2	number			cm ³	
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	
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			cm ³	
ventricular volume at visit 1 generated by UCL's semi-automated MIDAS software	THD, TON	Morphometric	vents_1	number			cm ³	

PDS

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			cm ³	
VBSI ventricular change visit 3 to 2	THD, TON	Morphometric	vbsi_3_2	number			cm ³	
VBSI ventricular change visit 4 to 1	THD	Morphometric	vbsi_4_1	number			cm ³	

VBSI ventricular change visit 4 to 2	THD	Morphometric	vbsi_4_2	number			cm ³	
VBSI ventricular change visit 4 to 3	THD	Morphometric	vbsi_4_3	number			cm ³	
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			cm ³	

Grey matter change visit 3 to 2	THD, TON	Morphometric	gm_3_2	number			cm ³	
Grey matter change visit 4 to 3	THD	Morphometric	gm_4_3	number			cm ³	
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			cm ³	
White matter change visit 4 to 3	THD	Morphometric	wm_4_3	number			cm ³	
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			cm ³	
intracranial volume at visit 3 measured using Iowa BRAINS software	THD, TON	Morphometric	icv_iowa_3	number			cm ³	
intracranial volume at visit 4 measured using Iowa BRAINS software	THD	Morphometric	icv_iowa_4	number			cm ³	

Putamen volume at visit 1 measured using Iowa BRAINS software	THD, TON	Morphometric	putamen_1	number			cm ³	
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			cm ³	
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			cm ³	Available upon SRC approval
Thalamus volume at visit 2	THD, TON	Morphometric	thalamus_2	number			cm ³	
Thalamus volume at visit 3	THD, TON	Morphometric	thalamus_3	number			cm ³	
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			cm ³	
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	Type	Parameter	Coding	Unit	Availability
Recoded HDID	THD (V1,V2,V3)	Key Vars	subjid	text				PDS
Study ID	THD (V1,V2,V3)	Key Vars	studyid	text				
Visit	THD (V1,V2,V3)	Key Vars	visit	text				
Visit Number	THD (V1,V2,V3)	Key Vars	visitnum	number				Not Available
Form Number	THD (V3)	Key Vars	nr	number				
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	Type	Parameter	Coding	Unit	Availability
Irritability	THD (V3)	ISHD	irritabweekscore	number				PDS
Verbal Outburst	THD (V3)	ISHD	verbalweekscore	number				
Physical Aggression	THD (V3)	ISHD	physicalweekscore	number				
Overall	THD (V3)	ISHD	overallweekscore	number				
Date	THD (V1,V2,V3)	ISHD	dtc	date				Not Available
Date (precision)	THD (V1,V2,V3)	ISHD	dtc__prec	single-choice	- precision in days	- d		
					- precision in months	- m		
					- precision in years	- y		
Day of ISHD	THD (V1,V2,V3)	ISHD	ishddy	number				PDS
Date (precision)	THD (V1,V2,V3)	ISHD	ishddy__prec	single-choice	- precision in days	- d		Not Available
					- precision in months	- m		
					- precision in years	- y		

Irritable moods (severity)	THD (V1,V2,V3)	ISHD	moods	single-choice	- Subject was not irritable at all today	- 1	PDS
					- Seemed to be in a bad mood, might have become angry if not treated with tact	- 2	
					- 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	
					- Obviously feeling very angry; any contact with subject was like walking on eggshells	- 4	
How often was the subject irritable today	THD (V1,V2,V3)	ISHD	irritable	single-choice	- Subject was not irritable at all today	- 1	
					- One short spell of moody or irritable behaviour in the course of the day	- 2	
					- Several (2-5) spells of moody or irritable behaviour in the course of the day	- 3	
					- Continuously, or almost continuously throughout the day	- 4	

Angry verbal outbursts (severity)	THD (V1,V2,V3)	ISHD	outbursts	single-choice	- No angry verbal outbursts today	- 1	
					- Became mildly cross (e.g. when confronted with frustrating situations)	- 2	
					- Verbally hostile, sarcastic or nasty, or using foul language	- 3	
					- Shouting, verbally intimidating behaviour or uttering threats	- 4	
How many angry verbal outbursts did the subject have today	THD (V1,V2,V3)	ISHD	verbal outbursts	single-choice	- No angry verbal outbursts today	- 1	
					- One angry verbal outburst only	- 2	
					- Several (2-5) angry verbal outbursts in the course of the day	- 3	
					- Angry verbal outbursts occurred continuously, or almost continuously, throughout the day	- 4	
Physical aggression (severity)	THD (V1,V2,V3)	ISHD	aggression	single-choice	- No aggressive incidents today	- 1	
					- 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		
How often was the subject aggressive today	THD (V1,V2,V3)	ISHD	aggressive	single-choice	- No aggressive incidents today	- 1		
					- One aggressive incident only	- 2		
					- 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 how much time you spent with the subject today (i.e. in the same house, not necessarily in the same room)	THD (V1,V2,V3)	ISHD	spenttime	single-choice	- one or two short spells, less than two hours in total	- 1		
					- more than two hours, less than about six hours	- 2		
					- 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	Type	Parameter	Coding	Unit	Availability
Recoded HDID	TON,THD	Key Vars	subjid	text				PDS
Study ID	TON,THD	Key Vars	studyid	text				
Visit Number	TON,THD	Key Vars	visitnum	number				Not Available
Form Number	TON,THD	Key Vars	nr	number				
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				PDS
Visit Status	TON,THD	Key Vars	visstat	text	- editing - plausible - signed - reviewing - completed - checked			
Form	TON,THD	Key Vars	form	text	Samples - Samples ACD - Samples EDTA ACD - Samples EDTA PX			

					- Samples Other			
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5.8.1 Form “Samples”

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

Date of shipment (precision)	TON	Samples	shipdte__prec	single-choice	- precision in days	- d	
					- precision in months	- m	
					- precision in years	- y	
Airway bill no	TON	Samples	airwaybillnum	number			
Date of notification	TON	Samples	requestdate	date			
Date of notification (precision)	TON	Samples	requestdate__prec	single-choice	- precision in days	- d	
					- precision in months	- m	
					- precision in years	- y	
Date of receipt	TON	Samples	receiptdate	date			
Date of receipt (precision)	TON	Samples	receiptdate__prec	single-choice	- precision in days	- d	
					- precision in months	- m	
					- precision in years	- y	
Total shipping time	TON	Samples	shiptime__h	number			h
Total shipping time - :	TON	Samples	shiptime__min	number			min

5.8.2 Form “Samples ACD”

Label	Study	Form	Variable	Type	Parameter	Coding	Unit	Availability
Date of Laboratory Report	THD,TON	Samples ACD	lbdtc	date				Not Available
Should CAG be determined by BioRep?	THD,TON	Samples ACD	determinecag	boolean	- no	- 0		
					- yes	- 1		
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	- 0		
					- yes	- 1		
Date Completed	THD,TON	Samples ACD	completeddate	date				
Date Completed (precision)	THD,TON	Samples ACD	completeddate__prec	single-choice	- precision in days	- d		
					- precision in months	- m		
					- precision in years	- y		
ID	THD,TON	Samples ACD	inv_id	number				
Airway bill no	THD,TON	Samples ACD	airwaybillnum	number				
Date of notification (precision)	THD,TON	Samples ACD	requestdate__prec	single-choice	- precision in days	- d		
					- precision in months	- m		
					- precision in years	- y		
Date of receipt	THD,TON	Samples ACD	receiptdate	date				
Date of receipt (precision)	THD,TON	Samples ACD	receiptdate__prec	single-choice	- precision in days	- d		
					- precision in months	- m		
					- precision in years	- y		
Total shipping time	THD,TON	Samples ACD	shiptime__h	number				h
Total shipping time - :	THD,TON	Samples ACD	shiptime__min	number				min
Subject group	TON	Samples ACD	sgroup	single-choice	- control subject	- 1		PDS
					- premanifest gene carrier	- 2		

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

5.8.3 Form “Samples ACD (other)”

Label	Study	Form	Variable	Type	Parameter	Coding	Unit	Availability
Subject group	TON	Samples ACD (other)	sgroup_thd	single-choice	- control subject	- 0		PDS
					- premanifest gene carrier	- 1		
					- early-HD	- 2		
Date of Laboratory Report	TON	Samples ACD (other)	lbdtc	date				Not Available
Should CAG be determined by BioRep?	TON	Samples ACD (other)	determinecag	boolean	- no	- 0		
					- yes	- 1		
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				Not Available
Quantity	TON	Samples ACD (other)	quantity	number				
Notified	TON	Samples ACD (other)	notified	boolean	- no	- 0		
					- yes	- 1		
Receipt state	TON	Samples ACD (other)	submstate	number				
Outcome	TON	Samples ACD (other)	finalstate	boolean	- no	- 0		
					- yes	- 1		
Date Completed	TON	Samples ACD (other)	completeddate	date				
Date Completed (precision)	TON	Samples ACD (other)	completeddate__prec	single-choice	- precision in days	- d		
					- precision in months	- m		
					- precision in years	- 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	- d		
					- precision in months	- m		
					- precision in years	- y		
Airway bill no	TON	Samples ACD (other)	airwaybillnum	number				
Date of notification	TON	Samples ACD (other)	requestdate	date				
Date of notification (precision)	TON	Samples ACD (other)	requestdate__prec	single-choice	- precision in days	- d		
					- precision in months	- m		
					- precision in years	- y		
Date of receipt	TON	Samples ACD (other)	receiptdate	date				
Date of receipt (precision)	TON	Samples ACD (other)	receiptdate__prec	single-choice	- precision in days	- d		
					- precision in months	- m		
					- precision in years	- y		
Total shipping time	TON	Samples ACD (other)	shiptime__h	number				h
Total shipping time - :	TON	Samples ACD (other)	shiptime__min	number				min

5.8.4 Form “Samples EDTA/PX”

Label	Study	Form	Variable	Type	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	- 0	
					- yes	- 1	
Receipt state	THD	Samples EDTA/PX	submstate	number			
Outcome	THD	Samples EDTA/PX	finalstate	boolean	- no	- 0	
					- yes	- 1	
Date Completed	THD	Samples EDTA/PX	completeddate	date			
Date Completed (precision)	THD	Samples EDTA/PX	completeddate__prec	single-choice	- precision in days	- d	
					- precision in months	- m	
					- precision in years	- 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	requestdate__prec	single-choice	- precision in days	- d	
					- precision in months	- m	
					- precision in years	- y	
Date of receipt	THD	Samples EDTA/PX	receiptdate	date			
Date of receipt (precision)	THD	Samples EDTA/PX	receiptdate__prec	single-choice	- precision in days	- d	
					- precision in months	- m	
					- precision in years	- y	

Total shipping time	THD	Samples EDTA/PX	shiptime__h	number			h	
Total shipping time - :	THD	Samples EDTA/PX	shiptime__min	number			min	

5.8.5 Form “Samples EDTA/ACD”

Label	Study	Form	Variable	Type	Parameter	Coding	Unit	Availability
Date and Time of Sampling	THD	Samples EDTA/ACD	specimendate	date				Not Available
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		
Receipt state	THD	Samples EDTA/ACD	submstate	number				
Outcome	THD	Samples EDTA/ACD	finalstate	boolean	- no - yes	- 0 - 1		
Date Completed	THD	Samples EDTA/ACD	completeddate	date				
Date Completed (precision)	THD	Samples EDTA/ACD	completeddate__prec	single-choice	- precision in days - precision in months - precision in years	- d - m - 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	requestdate__prec	single-choice	- precision in days	- d		
					- precision in months	- m		
					- precision in years	- y		
Date of receipt	THD	Samples EDTA/ACD	receiptdate	date				
Date of receipt (precision)	THD	Samples EDTA/ACD	receiptdate__prec	single-choice	- precision in days	- d		
					- precision in months	- m		
					- precision in years	- y		
Total shipping time	THD	Samples EDTA/ACD	shiptime__h	number			h	
Total shipping time - :	THD	Samples EDTA/ACD	shiptime__min	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