



EPAD LCS DOI Process Description

DOCUMENT VERSION:	1.0 Draft
AUTHOR:	Bert Overduin
ISSUE DATE:	26 Apr 2019
EFFECTIVE DATE:	26 Apr 2019

1. Description of Dataset

European Prevention of Alzheimer's Dementia (EPAD) Longitudinal Cohort Study (LCS), collected according to protocol EPAD-UoE-001. The current and previous versions of this protocol are available via the EPAD website: www.ep-ad.org.

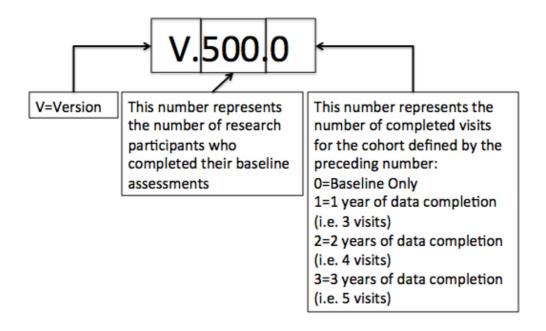
Data sets for which participant recruitment has been completed to date, Last Participant Last Visit (LPLV) are listed below. The definition of a participant in the data set is that the participant gave consent and was enrolled in the EPAD LCS. Participants who have withdrawn from the LCS for any reason have not been replaced. The list of participants included in each data set will be retained by the LCS Study team.

V500 LPLV at V1 = 23Feb2018 V1500 LPLV at V1 = 07Mar2019

2. Data Release Sets

To ensure absolute clarity and consistency of which data are/were analysed for scientific publication a strict definition of the data set will be used. This nomenclature is required to reflect the perpetual recruitment into the EPAD LCS as opposed to waves of recruitment or fixed sample sizes more typical of cohort studies.

The number of research participants in each data release will be influenced by the speed of recruitment with a preference for larger numeric increments in the size of the data set as opposed to frequency of release. The ExCom will make all decisions on data version release.





3. DOI assignment (Digital Object Identified)

Each data set will be identified by a unique DOI generated by Aridhia. The DOI will be used to associate all communications and publications with the specific data set.

4. Description of Tables

An electronic version of the data descriptions is provided on line in the EPAD LCS Data Set Library. This document confirms the data definitions as defined at the general release of V500.0. The electronic Data set library will be updated with any changes.

4.1 Consent & Eligibility

4.1.1 Consent

Protocol version consent dates and record of individual consent to optional consent items

FIELD	TYPE	CONSTRAINTS	MULTIPLICITY	DESCRIPTION
patient_id	Integer	n4	1N	Patient ID
date_study_partner	Date	an10 YYYY- MM-DD	1N	What was the date of the signature on informed consent by Study Partner?
date_research_participant	Date	an10 YYYY- MM-DD	1N	What was the date of the signature on informed consent by Research Participant?
date_protocol	Date	an10 YYYY- MM-DD	1N	What was the issue/report date of the protocol the subject consented to at study enrollment?
opt1	Lookup	YN	1N	I agree to receive information about clinically relevant incidental findings not related to Alzheimer's disease.
opt2	Lookup	YN	1N	I agree to my GP/treating physician being contacted in relation to these clinically relevant incidental findings not related to Alzheimer's disease.
opt3	Lookup	YN	1N	I agree to the researchers contacting my GP and other relevant doctors I am seeing for further medical information if this is required.
opt4	Lookup	YN	1N	I agree to the data previously collected in the original PC being exported and used in this study.
opt5	Lookup	YN	1N	I agree to the data collected from me during this study to be returned to the PI of the original PC.
opt6	Lookup	YN	1N	I agree to the storage of my material for 15 years after the end of this study, so that it can be used for future research.
opt7	Lookup	YN	1N	I agree to be re-contacted about future research with the same objective.
opt8	Lookup	YN	1N	I agree to be re-contacted about future research with other objectives.

4.1.2 Eligibility

Eligibility confirmation or record of reason for non-eligibility

FIELD	TYPE	CONSTRAINTS	MULTIPLICITY	DESCRIPTION
patient_id	Integer	n4	1N	Patient ID
subject_met_elig_criteria	Lookup	YN	1N	Did the subject meet all eligibility criteria?
criterion_category_not_met	Lookup	CATEGORY	0N	What was the category of the criterion?
criterion_id_not_met	Lookup	ID	1N	What was the ID of the criterion that was not met?



4.1.3 Recruitment Link

Derived ID or Velocity ID linking participant to source of recruitment via Parent Cohort (Derived ID) or from a clinic (Velocity IS)

FIELD	TYPE	CONSTRAINTS	MULTIPLICITY	DESCRIPTION
patient_id	Integer	n4	1N	Patient ID
derived_id	Alphanumeric	an68-71	0N	Derived ID from Parent Cohort
velocity_id	Alphanumeric	an11	0N	Velocity ID from Clinic

4.2 Demographics & History

4.2.1 Socio-demographics

General demographic data

FIELD	TYPE	CONSTRAINTS	MULTIPLICITY	DESCRIPTION
patient_id	Integer	n4	1N	Patient ID
site_name	Alphanumeric		1N	Site Short Name
site_id	Numeric	n2	1N	Site ID
sex	Lookup	SEX	0N	What is the sex of the subject?
birth_date	Date	an10 YYYY-MM- DD	0N	What is the subject's date of birth?
age_years	Integer	max n3	0N	What is the subject's age?
age_months	Integer	max n2	0N	Month
handedness	Lookup	HANDEDNESS	0N	Handedness
years_education	Integer	max n2	0N	Number of years of formal education
marital_status	Lookup	MARITAL_STATUS	0N	Marital status
ethnicity	Lookup	ETHNICITY	0N	What is the ethnicity of the subject?

4.2.2 Dementia

Family History of Alzheimer's Disease / Dementia

FIELD	TYPE	CONSTRAINTS	MULTIPLICITY	DESCRIPTION
patient_id	Integer	n4	1N	Patient ID
mother_dementia_history	Lookup	YN	0N	Mother - history compatible with Alzheimer's disease or other cause of dementia?
mother_bio_relative	Lookup	YN	0N	Mother - Biological relative
mother_age_at_diagnosis	Integer	n3	0N	Mother - Age at diagnosis
father_dementia_history	Lookup	YN	0N	Father - history compatible with Alzheimer's disease or other cause of dementia?
father_bio_relative	Lookup	YN	0N	Father - Biological relative
father_age_at_diagnosis	Integer	n3	0N	Father - Age at diagnosis
sister_dementia_history	Lookup	YN	0N	Sister - history compatible with Alzheimer's disease or other cause of dementia?
sister_bio_relative	Lookup	YN	0N	Sister - Biological relative
sister_age_at_diagnosis	Integer	n3	0N	Sister - Age at diagnosis
brother_dementia_history	Lookup	YN	0N	Brother - history compatible with Alzheimer's disease or other cause of dementia?
brother_bio_relative	Lookup	YN	0N	Brother - Biological relative
brother_age_at_diagnosis	Integer	n3	0N	Brother - Age at diagnosis

4.2.3 Physical Examination

FIELD	TYPE	CONSTRAINTS	MULTIPLICITY	DESCRIPTION



patient_id	Integer	n4	1N	Patient ID
was_physical_exam_performed	Lookup	YN	0N	Was the physical examination performed?
reason_not_performed	Alphanumeric		0N	Reason not performed
physical_exam_date	Date	an10 YYYY-MM- DD	0N	Exam Date
was_ecg_performed	Lookup	YN	0N	Was ECG performed?
abdomen_results	Lookup	RESULT	0N	Abdomen - Results
abdomen_abnormal_findings	Alphanumeric	max an200	0N	Abdomen - Abnormal Findings
abdomen_clin_signif	Lookup	YN	0N	Abdomen - Clinically Significant
chest_results	Lookup	RESULT	0N	Chest - Results
chest_abnormal_findings	Alphanumeric	max an200	0N	Chest - Abnormal Findings
chest_clin_signif	Lookup	YN	0N	Chest - Clinically Significant
ears_nose_throat_results	Lookup	RESULT	0N	Ears Nose Throat - Results
ears_nose_throat_abnormal_findings	Alphanumeric	max an200	0N	Ears Nose Throat - Abnormal Findings
ears_nose_throat_clin_signif	Lookup	YN	0N	Ears Nose Throat - Clinically Significant
eyes_results	Lookup	RESULT	0N	Eyes - Results
eyes_abnormal_findings	Alphanumeric	max an200	0N	Eyes - Abnormal Findings
eyes_clin_signif	Lookup	YN	0N	Eyes - Clinically Significant
general_appearance_results	Lookup	RESULT	0N	General Appearance - Results
general_appearance_abnormal_findings	Alphanumeric	max an200	0N	General Appearance - Abnormal Findings
general_appearance_clin_signif	Lookup	YN	0N	General Appearance - Clinically Significant
heart_results	Lookup	RESULT	0N	Heart - Results
heart_abnormal_findings	Alphanumeric	max an200	0N	Heart - Abnormal Findings
heart_clin_signif	Lookup	YN	0N	Heart - Clinically Significant
head_neck_throat_results	Lookup	RESULT	0N	Head Neck Throat - Results
head_neck_throat_abnormal_findings	Alphanumeric	max an200	0N	Head Neck Throat - Abnormal Findings
head_neck_throat_clin_signif	Lookup	YN	0N	Head Neck Throat - Clinically Significant
respiratory_results	Lookup	RESULT	0N	Respiratory - Results
respiratory_abnormal_findings	Alphanumeric	max an200	0N	Respiratory - Abnormal Findings
respiratory_clin_signif	Lookup	YN	0N	Respiratory - Clinically Significant
lymph_nodes_results	Lookup	RESULT	0N	Lymph Nodes - Results
lymph_nodes_abnormal_findings	Alphanumeric	max an200	0N	Lymph Nodes - Abnormal Findings
lymph_nodes_clin_signif	Lookup	YN	0N	Lymph Nodes - Clinically Significant
musculoskeletal_results	Lookup	RESULT	0N	Musculoskeletal - Results
musculoskeletal_abnormal_findings	Alphanumeric	max an200	0N	Musculoskeletal - Abnormal Findings
musculoskeletal_clin_signif	Lookup	YN	0N	Musculoskeletal - Clinically Significant
neurological_results	Lookup	RESULT	0N	Neurological - Results
neurological_abnormal_findings	Alphanumeric	max an200	0N	Neurological - Abnormal Findings
neurological_clin_signif	Lookup	YN	0N	Neurological - Clinically Significant



skin_results	Lookup	RESULT	0N	Skin - Results
skin_abnormal_findings	Alphanumeric	max an200	0N	Skin - Abnormal Findings
skin_clin_signif	Lookup	YN	0N	Skin - Clinically Significant

4.2.4 Vital Signs

FIELD	TYPE	CONSTRAINTS	MULTIPLICITY	DESCRIPTION
patient_id	Integer	n4	1N	Patient ID
vital_signs_collected	Lookup	YN	0N	Were vital signs collected?
reason_not_collected	Lookup	REASON	0N	If no, please provide reason.
date_collected	Date	an10 YYYY-MM- DD	0N	Date
height	Numeric	max n3.n	0N	Height
weight	Numeric	max n3.n	0N	Weight
hip_circumference	Numeric	max n3.n	0N	Hip Circumference
waist_circumference	Numeric	max n3.n	0N	Waist Circumference
systolic_bp	Numeric	max n3	0N	Systolic Blood Pressure
diastolic_bp	Numeric	max n3	0N	Diastolic Blood Pressure
pulse	Numeric	max n3	0N	Pulse

4.2.5 General Medical History

FIELD	TYPE	CONSTRAINTS	MULTIPLICITY	DESCRIPTION
patient_id	Integer	n4	1N	Patient ID
medical_history_term	Alphanumeric	max n1999	0N	Medical History Term
medical_history_code	Integer	max n2	0N	Medical History Code
lowest_level_term	Alphanumeric	max n200	0N	Lowest Level Term
lowest_level_code	Integer	n8	0N	Lowest Level Term Code
preferred_term	Alphanumeric	max n200	0N	Preferred Term
preferred_term_code	Integer	n8	0N	Preferred Term Code
high_level_term	Alphanumeric	max n200	0N	High Level Term
high_level_term_code	Integer	n8	0N	High Level Term Code
high_level_group_term	Alphanumeric	max n200	0N	High Level Group Term
high_level_group_term_code	Integer	n8	0N	High Level Group Term Code
body_system_or_organ_class	Alphanumeric	max n200	0N	Body System or Organ Class
body_system_or_organ_class_code	Integer	n8	0N	Body System or Organ Class Code
meddra_version_number	Alphanumeric	max n20	0N	MedDRA Version Number

4.2.6 Current Medication

FIELD	TYPE	CONSTRAINTS	MULTIPLICITY	DESCRIPTION
patient_id	Integer	n4	1N	Patient ID
mediacation_therapy	Alphanumeric	max an100	1N	Medication or Therapy
start_date_interpolated	Date	an10 YYYY-MM- DD	0N	Start Date
start_date_raw	Alphanumeric	an11 DD MON YYYY	1N	Start Date
end_date_interpolated	Date	an10 YYYY-MM- DD	0N	End Date
end_date_raw	Alphanumeric	an11 DD MON YYYY	0N	End Date
ongoing	Lookup	YN	1N	Is the medication/therapy still ongoing?
indication	Alphanumeric	max an200	0N	Indication



route_of_admin	Alphanumeric	max an200	0N	Route of Administration
whodd_drugname	Alphanumeric	max an50	0N	WHODD Drug Name
whodd_prefname	Alphanumeric	max an200	0N	WHODD Preferred Name
whodd_drugcode	Alphanumeric	max an15	0N	WHODD Drug Code
whodd_version_number	Alphanumeric	max an20	0N	WHODD Version Number

4.3 Lifestyle Assessment

4.3.1 Lifestyle Factors

FIELD	TYPE	CONSTRAINTS	MULTIPLICITY	DESCRIPTION
patient_id	Integer	n4	1N	Patient ID
lifestyle_assessment_completed	Lookup	YN	0N	Was the assessment performed?
reason_not_completed	Lookup	REASON_NOT_COMPLETED	0N	If No, please provide reason.
current_health	Lookup	CURRENT_HEALTH	0N	How is your current health?
physical activity	Lookup	PHYSICAL_ACTIVITY	0N	How often do you participate in leisure-time physical activity that lasts at least 20-30 minutes and causes breathlessness and sweating?
physical fitness	Lookup	PHYSICAL_FITNESS	0N	How is your current physical fitness?
smoking	Lookup	SMOKING	0N	Smoking
drug_abuse	Lookup	DRUG_ABUSE	0N	Drug abuse/misuse
drug_name	Alphanumeric	max an200	0N	Name of drug where applicable

4.3.2 HATICE

HATICE (Healthy Aging Through Internet Counselling in the Elderly) Questionnaire

FIELD	TYPE	CONSTRAINTS	MULTIPLICITY	DESCRIPTION
patient_id	Integer	n4	1N	Patient ID
assessment_performed	Lookup	YN	0N	Was the assessment performed?
assessment_date	Date	an10 YYYY-MM-DD	0N	If Yes, provide date of assessment
reason_not_done	Lookup	REASON_NOT_DONE	0N	If No, please provide reason
ics1	Lookup	LCS1	0N	In total how many times do you usually have something to eat or drink during a weekday?
lcs2_1	Numeric	max n2.n	0N	1. Fish and seafood
lcs2_2	Numeric	max n2.n	0N	2. Sausage
lcs2_3	Numeric	max n2.n	0N	3. Poultry or rabbit
lcs2_4	Numeric	max n2.n	0N	4. Meat (excluding sausage)
lcs2_5	Numeric	max n2.n	0N	5. Vegetarian
lcs3_1	Numeric	max n2.n	0N	slices of cold cuts with greater than 10% fat (local examples)
lcs3_2	Numeric	max n2.n	0N	slices of cold cuts with greater than 10% fat (bacon, salami, local examples)
lcs4	Lookup	LCS4	0N	4. How many servings of vegetable based sauces (e.g. made with vegetable oil, tomato, garlic, onion, or other vegetables) do you usually consume with your main meal (e.g. with boiled



				vegetables, pasta, rice). Mark only one option.
lcs5	Lookup	LCS5	0N	5. What type of cooking fat or oil is most often used in your household? Mark only one option.
lcs6	Lookup	LCS6	0N	6. How much olive or vegetable oil do you usually consume per day (including that used in frying, salads, meals eaten away from home, etc.)? Mark only one option.
lcs7	Lookup	LCS7	0N	7. How many servings of nuts or seeds do you usually eat? Mark only one option.One serving is about 1 tablespoon or 15 g.
lcs8	Lookup	LCS8	0N	8. How many servings of legumes (e.g. lentils, beans, peas,) do you usually eat? Mark only one option. One serving is about 3 tablespoons or 80 g.
lcs9	Lookup	LCS9	0N	9. How many servings of other raw or cooked vegetables do you usually eat (e.g. tomatoes, carrots, cabbage, lettuce)? Mark only one option. One serving is a vegetable roughly the size of a tennis ball or about 1.5 dl, 80 g or 3 dl of green leafy vegetables.
lcs10	Lookup	LCS10	0N	10. What kind of salad dressing do you usuallyuse? Mark only one option.
ics11	Lookup	LCS11	0N	11. How many servings of fruit do you usually eat? Mark only one option. One serving is a fruit roughly the size of a tennis ball (e.g. apples, pears, oranges) or two small pieces of fruit (e.g. apricots, plums) or a cup ofberries or 80 g.
lcs12_1	Numeric	max n2.n	0N	servings of milk products with less than 1 % fat (skimmed milk or fat-free yogurt)
lcs12_2	Numeric	max n2.n	0N	servings of milk products with 1- less than 2 % fat (semi-skimmed milk)
lcs12_3	Numeric	max n2.n	0N	3. servings of milk products with 2-3 % fat (full fat milk or regular yogurt)
lcs12_4	Numeric	max n2.n	0N	servings of milk products with greater than 3 % fat or more
lcs12_5	Numeric	max n2.n	0N	5. servings of sweet milk products such as ice cream or pudding
lcs13	Lookup	LCS13	0N	13. How many servings of butter or cream do you usually consume? Mark only one option. One serving is 1 tbs or 15 g. Count also butter or cream and cream products (whipped cream, sour cream, other examples) in cooking.
lcs14_1	Numeric	max n2.n	0N	slices of rye- or crispbread (greater than;10 g fibre/100g)
lcs14_2	Numeric	max n2.n	0N	2. slices of graham or mixed grain bread (4-10 g fibre/100g)
lcs14_3	Numeric	max n2.n	0N	3. slices of white bread (less than 4 g fibre/100g)
lcs14_4	Numeric	max n2.n	0N	4. servings of cooked porridge (e.g. rye, oat or wheat flake porridge, 1 serving is a medium size cup or about 2.5dl)
lcs14_5	Numeric	max n2.n	0N	 servings of low-fibre breakfast cereals (e.g. corn flakes or rice crispies, 1 serving is about half a medium size cup or about 1.25 dl)
lcs14_6	Numeric	max n2.n	0N	 servings of muesli or high-fibre breakfast cereals (1 serving is a small size cup or about 0.8 dl)
lcs14_7	Numeric	max n2.n	0N	7. slices of sweet bread
lcs15_1	Numeric	max n2.n	0N	serving of pasta or rice (1 serving of pasta is 1 medium size cup or 2.5 dl, 1 serving of rice is about half a medium size cup or 1.25 dl)



lcs15_2	Numeric	max n2.n	0N	2. serving of potatoes (baked, boiled, mashed) or servings of gnocchi or gateau (1 serving is a medium size cup or 2.5 dl)
lcs15_3	Numeric	max n2.n	0N	3. serving of fries (1 serving is a medium size cup or 2.5dl)
lcs16	Lookup	LCS16	0N	16. What kind of spread do you usually use on your bread? Mark only one option.
lcs17_1	Numeric	max n2.n	0N	1. slices of cheese with less than 20% fat (reduced-fat cheese)
lcs17_2	Numeric	max n2.n	0N	2. slices of cheese with greater than 20% fat (e.g. Emmenthal, Roquefort, feta)
lcs17_3	Numeric	max n2.n	0N	 slices of cheese with vegetable fat (‹)
lcs18	Lookup	LCS18	0N	18. How many servings of sweet patisseries or cookies do you eat? Mark only one option. One serving is e.g. a piece of pie or cake, a small doughnut or Danish pastry, 2-4 cookies.
lcs19	Lookup	LCS19	0N	19. How many servings of sugar, honey, sweets or chocolate do you eat? Mark only one option. One serving is e.g. 2 teaspoons of sugar or honey, 3 sugar lumps, 5 sweets. Count also sugar in coffee or tea.
lcs20_1	Numeric	max n2.n	0N	1. cups of regular tea (1 cup = 2 dl or 200 mls)
lcs20_2	Numeric	max n2.n	0N	2. cups of decaffeinated tea (1 cup = 2 dl)
lcs20_3	Numeric	max n2.n	0N	3. cups of regular coffee (1 cup = 1 dl)
lcs20_4	Numeric	max n2.n	0N	4. cups of decaffeinated coffee (1 cup = 1 dl)
lcs20_5	Numeric	max n2.n	0N	5. bottles of soft drink with sugar (1 bottle = 1/3 liters)
lcs20_6	Numeric	max n2.n	0N	6. bottles of sugar-free soft drink (e.g. Coca Cola Light)
lcs20_7	Numeric	max n2.n	0N	7. glasses of fruit juice (1 glass = about 2 dl)
lcs20_8	Numeric	max n2.n	0N	glasses of sugar-sweetened juice (1 glass = about 2 dl)
lcs21	Lookup	LCS21	0N	21. How many units of wine do you usually drink per week? Mark only one option.One 1 unit is 1 glass of wine (12 cl).
lcs22	Lookup	LCS22	0N	22. How many units of alcohol do you usually drink per week?

4.3.3 SNAC

SNAC (Swedish National Study on Aging and Care) Questionnaire

FIELD	TYPE	CONSTRAINTS	MULTIPLICITY	DESCRIPTION
patient_id	Integer	n4	1N	Patient ID
assessment_performed	Lookup	YN	0N	Was the assessment performed?
assessment_date	Date	an10 YYYY- MM-DD	0N	If Yes, provide date of assessment
reason_not_performed	Alphanumeric		0N	If No, Please provide reason.
death_of_mother	Lookup	YN	0N	Death of mother - Have you experienced the event?
death_of_mother_age	Integer	max n3	0N	Death of mother - Age
death_of_father	Lookup	YN	0N	Death of father - Have you experienced the event?
death_of_father_age	Integer	max n3	0N	Death of father - Age
parent_sep_or_divorce	Lookup	YN	0N	Parents' separation or divorce - Have you experienced the event?





parent_sep_or_divorce_age	Integer	max n3	0N	Parents' separation or divorce - Age
abused	Lookup	YN	0N	Being abused - Have you experienced the event?
abuse_age	Integer	max n3	0N	Being abused - Age
termination_of_pregnancy	Lookup	YN	0N	Termination of pregnancy - Have you experienced the event?
termination_of_pregnancy_age	Integer	max n3	0N	Termination of pregnancy - Age
child_with_severe_disability	Lookup	YN	0N	Birth of own child with severe disabilities - Have you experienced the event?
child_with_severe_disability_age	Integer	max n3	0N	Birth of own child with severe disabilities - Age
divorce	Lookup	YN	0N	Divorce - Have you experienced the event?
divorce_age	Integer	max n3	0N	Divorce - Age
death_of_spouse	Lookup	YN	0N	Death of spouse - Have you experienced the event?
death_of_spouse_age	Integer	max n3	0N	Death of spouse - Age
loss_of_child	Lookup	YN	0N	Loss of child - Have you experienced the event?
loss_of_child_age	Integer	max n3	0N	Loss of child - Age
death_of_best_friend	Lookup	YN	0N	Death of best friend - Have you experienced the event?
death_of_best_friend_age	Integer	max n3	0N	Death of best friend - Age
severe_illness	Lookup	YN	0N	Own severe illness - Have you experienced the event?
severe_illness_age	Integer	max n3	0N	Own severe illness - Age
relative_severe_illness	Lookup	YN	0N	Close relative's severe illness - Have you experienced the event?
relative_severe_illness_age	Integer	max n3	0N	Close relative's severe illness - Age
assisted_living_facility	Lookup	YN	0N	Moving from your own home to an assisted living facility (nursing home, retirement home etc.) - Have you experienced the event?
assisted_living_facility_age	Integer	max n3	0N	Moving from your own home to an assisted living facility (nursing home, retirement home etc.) - Age
unemployed	Lookup	YN	0N	Becoming unemployed - Have you experienced the event?
unemployed_age	Integer	max n3	0N	Becoming unemployed - Age
retirement	Lookup	YN	0N	Retirement - Have you experienced the event?
retirement_age	Integer	max n3	0N	Retirement - Age
serious_financial_loss	Lookup	YN	0N	Serious financial loss - Have you experienced the event?
serious_financial_loss_age	Integer	max n3	0N	Serious financial loss - Age
legal_problems	Lookup	YN	0N	Legal problems/problems with justice - Have you experienced the event?
legal_problems_age	Integer	max n3	0N	Legal problems/problems with justice - Age
childhood_financial_problems	Lookup	YN	0N	Financial problems in your family during your childhood - Have you experienced the event?
childhood_financial_problems_age	Integer	max n3	0N	Financial problems in your family during your childhood - Age

4.4 Dementia Assessments



4.4.1 Dementia Diagnosis

Dementia status assessed by PI

FIELD	TYPE	CONSTRAINTS	MULTIPLICITY	DESCRIPTION
patient_id	Integer	n4	1N	Patient ID
dementia_diagnosed	Date	an10 YYYY-MM- DD	0N	Date of diagnosis
type_of_dementia	Alphanumeric	max an1999	0N	Type of dementia
lowest_level_term			0N	Lowest Level Term
high_level_term			0N	High Level Term
high_level_group_term			0N	High Level Group Term
preferred_name			0N	Preferred Term
body_system_organ_or_class			0N	Body System or Organ Class
meddra_version_number	Alphanumeric	max an20	0N	MedDRA Version Number

4.4.2 MMSE

Mini-Mental State Examination (MMSE)

FIELD	TYPE	CONSTRAINTS	MULTIPLICITY	DESCRIPTION
patient_id	Integer	n4	1N	Patient ID
mmse_total	Integer	max n2	0N	Total Score
mmse_Calculation_1	Lookup	SCORE	0N	What is 100 take away 7?
mmse_Calculation_2	Lookup	SCORE	0N	Keep going
mmse_Calculation_3	Lookup	SCORE	0N	Keep going
mmse_Calculation_4	Lookup	SCORE	0N	Keep going
mmse_Calculation_5	Lookup	SCORE	0N	Keep going
mmse_Comprehension_1	Lookup	SCORE	0N	Take in right hand
mmse_Comprehension_2	Lookup	SCORE	0N	Fold in half
mmse_Comprehension_3	Lookup	SCORE	0N	Put on floor
mmse_drawing_1	Lookup	SCORE	0N	Copy this design
mmse_naming_1	Lookup	SCORE	0N	Pencil or Pen
mmse_naming_2	Lookup	SCORE	0N	Watch
mmse_orientation_1	Lookup	SCORE	0N	Year?
mmse_orientation_2	Lookup	SCORE	0N	Season?
mmse_orientation_3	Lookup	SCORE	0N	Month of the Year?
mmse_orientation_4	Lookup	SCORE	0N	Day of the week?
mmse_orientation_5	Lookup	SCORE	0N	Date?
mmse_orientation_6	Lookup	SCORE	0N	State?
mmse_orientation_7	Lookup	SCORE	0N	County?
mmse_orientation_8	Lookup	SCORE	0N	City/town?
mmse_orientation_9	Lookup	SCORE	0N	Building?
mmse_orientation_10	Lookup	SCORE	0N	Floor of building?
mmse_reading_1	Lookup	SCORE	0N	Close your eyes
mmse_recall_1	Lookup	SCORE	0N	Apple
mmse_recall_2	Lookup	SCORE	0N	Penny
mmse_recall_3	Lookup	SCORE	0N	Table
mmse_registration_1	Lookup	SCORE	0N	Trial 1- Apple
mmse_registration_2	Lookup	SCORE	0N	Trial 1- Penny
mmse_registration_3	Lookup	SCORE	0N	Trial 1- Table
mmse_registration_4	Lookup	SCORE	0N	Trial 2- Apple
mmse_registration_5	Lookup	SCORE	0N	Trial 2- Penny
mmse_registration_6	Lookup	SCORE	0N	Trial 2- Table
mmse_registration_7	Lookup	SCORE	0N	Trial 3- Apple



mmse_registration_8	Lookup	SCORE	0N	Trial 3- Penny
mmse_registration_9	Lookup	SCORE	0N	Trial 3- Table
mmse_registration_10	Lookup	SCORE	0N	Trial 4- Apple
mmse_registration_11	Lookup	SCORE	0N	Trial 4- Penny
mmse_registration_12	Lookup	SCORE	0N	Trial 4- Table
mmse_registration_13	Lookup	SCORE	0N	Trial 5- Apple
mmse_registration_14	Lookup	SCORE	0N	Trial 5- Penny
mmse_registration_15	Lookup	SCORE	0N	Trial 5- Table
mmse_repetition_1	Lookup	SCORE	0N	No ifs, ands, or buts
mmse_writing_1	Lookup	SCORE	0N	Write a sentence
assessment_performed	Lookup	YN	0N	Was the assessment performed?
assessment_date	Date	an10 YYYY-MM- DD	0N	Assessment Date
Reason_not_performed	Alphanumeric		0N	Reason not performed

4.4.3 CDR

Clinical Dementia Rating (CDR)

FIELD	TYPE	CONSTRAINTS	MULTIPLICITY	DESCRIPTION
patient_id	Integer	n4	1N	Patient ID
cdr_global_score	Numeric	max n.n	0N	Global CDR Score
cdr_sum_of_box	Numeric	max 2n.n	0N	CDR Sum of Boxes
cdr_community_affairs	Lookup	COMMUNITY_AFFAIRS	0N	Community Affairs
cdr_home_hobbies	Lookup	HOME_HOBBIES	0N	Home and Hobbies
cdr_judgement	Lookup	JUDGEMENT	0N	Judgement and Problem Solving
cdr_memory	Lookup	MEMORY	0N	Memory
cdr_orientation	Lookup	ORIENTATION	0N	Orientation
cdr_personal_care	Lookup	PERSONAL_CARE	0N	Personal Care
assessment_performed	Lookup	YN	0N	Assessment Performed
assessment_date	Date	an10 YYYY-MM-DD	0N	Assessment Date
reason_not_performed	Alphanumeric		0N	Reason Not Performed

4.5 EPAD ENE (Neuropsychological Examination)

4.5.1 RBANS

RBANS (Repeatable Battery for the Assessment of Neuropsychological Status)

FIELD	TYPE	CONSTRAINTS	MULTIPLICITY	DESCRIPTION
patient_id	Integer	n4	1N	Patient ID
rbans_total_scale	Numeric	max n3	0N	Total Scale
rbans_sum_of_index	Numeric	max n3	0N	Sum Of Index Scores
rbans_attention_index	Numeric	max n3	0N	Attention
rbans_delayed_memory_index	Numeric	max n3	0N	Delayed Memory
rbans_immediate_memory_index	Numeric	max n3	0N	Immediate Memory
rbans_language_index	Numeric	max n3	0N	Language
rbans_visuo_constructional_index	Numeric	max n3	0N	Visuospatial / Constructional
rbans_coding	Numeric	max n3	0N	Coding
rbans_digit_span	Numeric	max n3	0N	Digit Span
rbans_figure_copy	Numeric	max n3	0N	Figure Copy
rbans_figure_recall	Numeric	max n3	0N	Figure Recall
rbans_list_learning	Numeric	max n3	0N	List Learning
rbans_line_orientation	Numeric	max n3	0N	Line Orientation



rbans_list_recall	Numeric	max n3	0N	List Recall
rbans_list_recognition	Numeric	max n3	0N	List Recognition
rbans_picture_naming	Numeric	max n3	0N	Picture Naming
rbans_semantic_fluency	Numeric	max n3	0N	Semantic Fluency
rbans_story_memory	Numeric	max n3	0N	Story Memory
rbans_story_recall	Numeric	max n3	0N	Story Recall
assessment_date	Date	an10 YYYY-MM- DD	0N	Assessment Date
assessment_performed	Lookup	YN	0N	Was the assessment performed?
reason_not_done	Alphanumeric		0N	Reason not recorded

4.5.2 Dot Counting

To add: Dot Counting table

4.5.3 Flanker

To add: Flanker table

4.5.4 Favourites

To add: favourites table

4.5.5 4MT - Examiner

Four Mountains Test (4MT) - Examiner recorded

FIELD	TYPE	CONSTRAINTS	MULTIPLICITY	DESCRIPTION
patient_id	Integer	n4	1N	Patient ID
fms_med_item1_answer	Lookup	ANSWER	0N	Four Mountains Test Medavante Item 1 Answer
fms_med_item2_answer	Lookup	ANSWER	0N	Four Mountains Test Medavante Item 2 Answer
fms_med_item3_answer	Lookup	ANSWER	0N	Four Mountains Test Medavante Item 3 Answer
fms_med_item4_answer	Lookup	ANSWER	0N	Four Mountains Test Medavante Item 4 Answer
fms_med_item5_answer	Lookup	ANSWER	0N	Four Mountains Test Medavante Item 5 Answer
fms_med_item6_answer	Lookup	ANSWER	0N	Four Mountains Test Medavante Item 6 Answer
fms_med_item7_answer	Lookup	ANSWER	0N	Four Mountains Test Medavante Item 7 Answer
fms_med_item8_answer	Lookup	ANSWER	0N	Four Mountains Test Medavante Item 8 Answer
fms_med_item9_answer	Lookup	ANSWER	0N	Four Mountains Test Medavante Item 9 Answer
fms_med_item10_answer	Lookup	ANSWER	0N	Four Mountains Test Medavante Item 10 Answer
fms_med_item11_answer	Lookup	ANSWER	0N	Four Mountains Test Medavante Item 11 Answer
fms_med_item12_answer	Lookup	ANSWER	0N	Four Mountains Test Medavante Item 12 Answer
fms_med_item13_answer	Lookup	ANSWER	0N	Four Mountains Test Medavante Item 13 Answer
fms_med_item14_answer	Lookup	ANSWER	0N	Four Mountains Test Medavante Item 14 Answer
fms_med_item15_answer	Lookup	ANSWER	0N	Four Mountains Test Medavante Item 15 Answer
fms_med_item1_mark	Lookup	MARK	0N	Four Mountains Test Medavante Item 1 Mark
fms_med_item2_mark	Lookup	MARK	0N	Four Mountains Test Medavante Item 2 Mark



fms_med_item3_mark	Lookup	MARK	0N	Four Mountains Test Medavante Item 3 Mark
fms_med_item4_mark	Lookup	MARK	0N	Four Mountains Test Medavante Item 4 Mark
fms_med_item5_mark	Lookup	MARK	0N	Four Mountains Test Medavante Item 5 Mark
fms_med_item6_mark	Lookup	MARK	0N	Four Mountains Test Medavante Item 6 Mark
fms_med_item7_mark	Lookup	MARK	0N	Four Mountains Test Medavante Item 7 Mark
fms_med_item8_mark	Lookup	MARK	0N	Four Mountains Test Medavante Item 8 Mark
fms_med_item9_mark	Lookup	MARK	0N	Four Mountains Test Medavante Item 9 Mark
fms_med_item10_mark	Lookup	MARK	0N	Four Mountains Test Medavante Item 10 Mark
fms_med_item11_mark	Lookup	MARK	0N	Four Mountains Test Medavante Item 11 Mark
fms_med_item12_mark	Lookup	MARK	0N	Four Mountains Test Medavante Item 12 Mark
fms_med_item13_mark	Lookup	MARK	0N	Four Mountains Test Medavante Item 13 Mark
fms_med_item14_mark	Lookup	MARK	0N	Four Mountains Test Medavante Item 14 Mark
fms_med_item15_mark	Lookup	MARK	0N	Four Mountains Test Medavante Item 15 Mark
assessment_date	Date	an10 YYYY-MM- DD	0N	Assessment Date
assessment_performed	Lookup	YN	0N	Was the assessment performed?
reason_not_done	Alphanumeric		0N	Reason not recorded

4.5.6 4MT - Tablet

Four Mountains Test (4MT) - Tablet recorded

FIELD	TYPE	CONSTRAINTS	MULTIPLICITY	DESCRIPTION
patient_id	Integer	n4	1N	Patient ID
fms_uedin_answer1	Lookup	ANSWER	0N	Selected Answer - Trial 1
fms_uedin_answer2	Lookup	ANSWER	0N	Selected Answer - Trial 2
fms_uedin_answer3	Lookup	ANSWER	0N	Selected Answer - Trial 3
fms_uedin_answer4	Lookup	ANSWER	0N	Selected Answer - Trial 4
fms_uedin_answer5	Lookup	ANSWER	0N	Selected Answer - Trial 5
fms_uedin_answer6	Lookup	ANSWER	0N	Selected Answer - Trial 6
fms_uedin_answer7	Lookup	ANSWER	0N	Selected Answer - Trial 7
fms_uedin_answer8	Lookup	ANSWER	0N	Selected Answer - Trial 8
fms_uedin_answer9	Lookup	ANSWER	0N	Selected Answer - Trial 9
fms_uedin_answer10	Lookup	ANSWER	0N	Selected Answer - Trial 10
fms_uedin_answer11	Lookup	ANSWER	0N	Selected Answer - Trial 11
fms_uedin_answer12	Lookup	ANSWER	0N	Selected Answer - Trial 12
fms_uedin_answer13	Lookup	ANSWER	0N	Selected Answer - Trial 13
fms_uedin_answer14	Lookup	ANSWER	0N	Selected Answer - Trial 14
fms_uedin_answer15	Lookup	ANSWER	0N	Selected Answer - Trial 15
fms_uedin_mark1	Lookup	MARK	0N	Correct or Incorrect - Trial 1
fms_uedin_mark2	Lookup	MARK	0N	Correct or Incorrect - Trial 2
fms_uedin_mark3	Lookup	MARK	0N	Correct or Incorrect - Trial 3
fms_uedin_mark4	Lookup	MARK	0N	Correct or Incorrect - Trial 4
fms_uedin_mark5	Lookup	MARK	0N	Correct or Incorrect - Trial 5
fms_uedin_mark6	Lookup	MARK	0N	Correct or Incorrect - Trial 6
fms_uedin_mark7	Lookup	MARK	0N	Correct or Incorrect - Trial 7
fms_uedin_mark8	Lookup	MARK	0N	Correct or Incorrect - Trial 8
fms_uedin_mark9	Lookup	MARK	0N	Correct or Incorrect - Trial 9



fms_uedin_mark10	Lookup	MARK	0N	Correct or Incorrect - Trial 10
fms_uedin_mark11	Lookup	MARK	0N	Correct or Incorrect - Trial 11
fms_uedin_mark12	Lookup	MARK	0N	Correct or Incorrect - Trial 12
fms_uedin_mark13	Lookup	MARK	0N	Correct or Incorrect - Trial 13
fms_uedin_mark14	Lookup	MARK	0N	Correct or Incorrect - Trial 14
fms_uedin_mark15	Lookup	MARK	0N	Correct or Incorrect - Trial 15
fms_uedin_reactiontime1	Integer	max n5	0N	Time Taken to provide an Answer - Trial 1
fms_uedin_reactiontime2	Integer	max n5	0N	Time Taken to provide an Answer - Trial 2
fms_uedin_reactiontime3	Integer	max n5	0N	Time Taken to provide an Answer - Trial 3
fms_uedin_reactiontime4	Integer	max n5	0N	Time Taken to provide an Answer - Trial 4
fms_uedin_reactiontime5	Integer	max n5	0N	Time Taken to provide an Answer - Trial 5
fms_uedin_reactiontime6	Integer	max n5	0N	Time Taken to provide an Answer - Trial 6
fms_uedin_reactiontime7	Integer	max n5	0N	Time Taken to provide an Answer - Trial 7
fms_uedin_reactiontime8	Integer	max n5	0N	Time Taken to provide an Answer - Trial 8
fms_uedin_reactiontime9	Integer	max n5	0N	Time Taken to provide an Answer - Trial 9
fms_uedin_reactiontime10	Integer	max n5	0N	Time Taken to provide an Answer - Trial 10
fms_uedin_reactiontime11	Integer	max n5	0N	Time Taken to provide an Answer - Trial 11
fms_uedin_reactiontime12	Integer	max n5	0N	Time Taken to provide an Answer - Trial 12
fms_uedin_reactiontime13	Integer	max n5	0N	Time Taken to provide an Answer - Trial 13
fms_uedin_reactiontime14	Integer	max n5	0N	Time Taken to provide an Answer - Trial 14
fms_uedin_reactiontime15	Integer	max n5	0N	Time Taken to provide an Answer - Trial 15
fms_uedin_assdat	Date	an10 YYYY-MM- DD	0N	Date of Assessment

4.5.7 SMT

Virtual Reality Supermarket Trolley (SMT)

FIELD	TYPE	CONSTRAINTS	MULTIPLICITY	DESCRIPTION
patient_id	Integer	n4	1N	Patient ID
st_trial_1_answer	Integer	max n3	0N	Trial 1 Answer
st_trial_2_answer	Integer	max n3	0N	Trial 2 Answer
st_trial_3_answer	Integer	max n3	0N	Trial 3 Answer
st_trial_4_answer	Lookup	ANSWER	0N	Trial 4 Answer
st_trial_5_answer	Lookup	ANSWER	0N	Trial 5 Answer
st_trial_6_answer	Lookup	ANSWER	0N	Trial 6 Answer
st_trial_7_answer	Lookup	ANSWER	0N	Trial 7 Answer
st_trial_8_answer	Lookup	ANSWER	0N	Trial 8 Answer
st_trial_9_answer	Lookup	ANSWER	0N	Trial 9 Answer
st_trial_10_answer	Lookup	ANSWER	0N	Trial 10 Answer
st_trial_11_answer	Lookup	ANSWER	0N	Trial 11 Answer
st_trial_12_answer	Lookup	ANSWER	0N	Trial 12 Answer
st_trial_13_answer	Lookup	ANSWER	0N	Trial 13 Answer
st_trial_14_answer	Lookup	ANSWER	0N	Trial 14 Answer
st_trial_1_mark	Lookup	MARK	0N	Trial 1 Mark
st_trial_2_mark	Lookup	MARK	0N	Trial 2 Mark
st_trial_3_mark	Lookup	MARK	0N	Trial 3 Mark



st_trial_4_mark	Lookup	MARK	0N	Trial 4 Mark
st_trial_5_mark	Lookup	MARK	0N	Trial 5 Mark
st_trial_6_mark	Lookup	MARK	0N	Trial 6 Mark
st_trial_7_mark	Lookup	MARK	0N	Trial 7 Mark
st_trial_8_mark	Lookup	MARK	0N	Trial 8 Mark
st_trial_9_mark	Lookup	MARK	0N	Trial 9 Mark
st_trial_10_mark	Lookup	MARK	0N	Trial 10 Mark
st_trial_11_mark	Lookup	MARK	0N	Trial 11 Mark
st_trial_12_mark	Lookup	MARK	0N	Trial 12 Mark
st_trial_13_mark	Lookup	MARK	0N	Trial 13 Mark
st_trial_14_mark	Lookup	MARK	0N	Trial 14 Mark
assessment_date	Date	an10 YYYY-MM- DD	0N	Assessment Date
assessment_performed	Lookup	YN	0N	Was the assessment performed?
reason_not_done	Alphanumeric		0N	Reason not recorded

4.6 Clinical Outcomes

4.6.1 GDS

Geriatric Depression Scale (GDS)

FIELD	TYPE	CONSTRAINTS	MULTIPLICITY	DESCRIPTION
Patient ID	Integer	n4	1N	Patient ID
gds total	Integer	max n3	0N	GDS Total Score
gds 1	Lookup	ANSWER	0N	Are you basically satisfied with your life?
gds 2	Lookup	ANSWER	0N	Have you dropped many of your activities and interests?
gds 3	Lookup	ANSWER	0N	Do you feel that your life is empty?
gds 4	Lookup	ANSWER	0N	Do you often get bored?
gds 5	Lookup	ANSWER	0N	Are you hopeful about the future?
gds 6	Lookup	ANSWER	0N	Are you bothered by thoughts you can t get out of your head?
gds 7	Lookup	ANSWER	0N	Are you in good spirits most of the time?
gds 8	Lookup	ANSWER	0N	Are you afraid that something bad is going to happen to you?
gds 9	Lookup	ANSWER	0N	Do you feel happy most of the time?
gds 10	Lookup	ANSWER	0N	Do you often feel helpless?
gds 11	Lookup	ANSWER	0N	Do you often get restless and fidgety?
gds 12	Lookup	ANSWER	0N	Do you prefer to stay at home, rather than going out and doing new things?
gds 13	Lookup	ANSWER	0N	Do you frequently worry about the future?
gds 14	Lookup	ANSWER	0N	Do you feel you have more problems with memory than most?
gds 15	Lookup	ANSWER	0N	Do you think it is wonderful to be alive now?
gds 16	Lookup	ANSWER	0N	Do you often feel downhearted and blue?
gds 17	Lookup	ANSWER	0N	Do you feel pretty worthless the way you are now?
gds 18	Lookup	ANSWER	0N	Do you worry a lot about the past?
gds 19	Lookup	ANSWER	0N	Do you find life very exciting?
gds 20	Lookup	ANSWER	0N	Is it hard for you to get started on new projects?
gds 21	Lookup	ANSWER	0N	Do you feel full of energy?
gds 22	Lookup	ANSWER	0N	Do you feel that your situation is hopeless?
gds 23	Lookup	ANSWER	0N	Do you think that most people are better off than you are?
gds 24	Lookup	ANSWER	0N	Do you frequently get upset over little things?
gds 25	Lookup	ANSWER	0N	Do you frequently feel like crying?



gds 26	Lookup	ANSWER	0N	Do you have trouble concentrating?
gds 27	Lookup	ANSWER	0N	Do you enjoy getting up in the morning?
gds 28	Lookup	ANSWER	0N	Do you prefer to avoid social gatherings?
gds 29	Lookup	ANSWER	0N	Is it easy for you to make decisions?
gds 30	Lookup	ANSWER	0N	Is your mind as clear as it used to be?
Assessment Date	Date	an10 YYYY-MM- DD	0N	Assessment Date
Assessment Performed	Lookup	YN	0N	Assessment Performed
Reason Not Done	Alphanumeric		0N	Reason Not Done

4.6.2 STAI

State-Trait Anxiety Inventory (STAI)

FIELD	TYPE	CONSTRAINTS	MULTIPLICITY	DESCRIPTION
patient_id	Integer	n4	1N	Patient ID
stai_40_total_score	Integer	max n3	0N	STAI Total Score
stai_40_form1_total_score	Integer	max n3	0N	Form1 Total Score
stai_40_form2_total_score	Integer	max n3	0N	Form2 Total Score
stai_40_form1_q1	Lookup	SCALE2	0N	I feel calm
stai_40_form1_q2	Lookup	SCALE2	0N	I feel secure
stai_40_form1_q3	Lookup	SCALE1	0N	I am tense
stai_40_form1_q4	Lookup	SCALE1	0N	I feel strained
stai_40_form1_q5	Lookup	SCALE2	0N	I feel at ease
stai_40_form1_q6	Lookup	SCALE1	0N	I feel upset
stai_40_form1_q7	Lookup	SCALE1	0N	I am presently worrying over possible misfortunes
stai_40_form1_q8	Lookup	SCALE2	0N	I feel satisfied
stai_40_form1_q9	Lookup	SCALE1	0N	I feel frightened
stai_40_form1_q10	Lookup	SCALE2	0N	I feel comfortable
stai_40_form1_q11	Lookup	SCALE2	0N	I feel self-confident
stai_40_form1_q12	Lookup	SCALE1	0N	I feel nervous
stai_40_form1_q13	Lookup	SCALE1	0N	I am jittery
stai_40_form1_q14	Lookup	SCALE1	0N	I feel indecisive
stai_40_form1_q15	Lookup	SCALE2	0N	I am relaxed
stai_40_form1_q16	Lookup	SCALE2	0N	I feel content
stai_40_form1_q17	Lookup	SCALE1	0N	I am worried
stai_40_form1_q18	Lookup	SCALE1	0N	I feel confused
stai_40_form1_q19	Lookup	SCALE2	0N	I feel steady
stai_40_form1_q20	Lookup	SCALE2	0N	I feel pleasant
stai_40_form2_q21	Lookup	SCALE2	0N	I feel pleasant
stai_40_form2_q22	Lookup	SCALE1	0N	I feel nervous and restless
stai_40_form2_q23	Lookup	SCALE2	0N	I feel satisfied with myself
stai_40_form2_q24	Lookup	SCALE1	0N	I wish I could be as happy as others seem to be
stai_40_form2_q25	Lookup	SCALE1	0N	I feel like a failure
stai_40_form2_q26	Lookup	SCALE2	0N	I feel rested
stai_40_form2_q27	Lookup	SCALE2	0N	I am "calm, cool, and collected"
stai_40_form2_q28	Lookup	SCALE1	0N	I feel that difficulties are piling up so that I cannot overcome them
stai_40_form2_q29	Lookup	SCALE1	0N	I worry too much over something that really doesn't matter
stai_40_form2_q30	Lookup	SCALE2	0N	I am happy
stai_40_form2_q31	Lookup	SCALE1	0N	I have disturbing thoughts
stai_40_form2_q32	Lookup	SCALE1	0N	I lack self-confidence
stai_40_form2_q33	Lookup	SCALE2	0N	I feel secure



stai_40_form2_q34	Lookup	SCALE2	0N	I make decisions easily
stai_40_form2_q35	Lookup	SCALE1	0N	I feel inadequate
stai_40_form2_q36	Lookup	SCALE2	0N	I am content
stai_40_form2_q37	Lookup	SCALE1	0N	Some unimportant thought runs through my mind and bothers me
stai_40_form2_q38	Lookup	SCALE1	0N	I take disappointments so keenly that I can't put them out of my mind
stai_40_form2_q39	Lookup	SCALE2	0N	I am a steady person
stai_40_form2_q40	Lookup	SCALE1	0N	I get in a state of tension or turmoil as I think over my recent concerns and interests
assessment_date	Date	an10 YYYY-MM- DD	0N	Assessment Date
assessment_performed	Lookup	YN	0N	Was the assessment performed?
reason_not_done	Alphanumeric		0N	Reason not recorded

4.6.3 PSQI

Pittsburgh Sleep Quality Index (PSQI)

FIELD	TYPE	CONSTRAINTS	MULTIPLICITY	DESCRIPTION
patient_id	Integer	n4	1N	Patient ID
psqi_total	Integer	max n3	0N	PSQI Total
psqi_component 1_score	Integer	max n3	0N	Component 1 Total
psqi_component 2_score	Integer	max n3	0N	Component 2 Total
psqi_component 3_score	Integer	max n3	0N	Component 3 Total
psqi_component 4_score	Integer	max n3	0N	Component 4 Total
psqi_component 5_score	Integer	max n3	0N	Component 5 Total
psqi_component 6_score	Integer	max n3	0N	Component 6 Total
psqi_component 7_score	Integer	max n3	0N	Component 7 Total
psqi_item1	Time	HH:mm	0N	During the past month, what time have you usually gone to bed at night?
psqi_item2	Lookup	ITEM2	0N	During the past month, how long (in minutes) has it usually taken you to fall asleep each night?
psqi_item3	Time	HH:mm	0N	3. During the past month, what time have you usually gotten up in the morning?
psqi_item4	Lookup	ITEM4	0N	4. During the past month, how many hours of actual sleep did you get at night? (This may be different than the number of hours you spent in bed)
psqi_item5_a	Lookup	ITEM5	0N	5a. Cannot get to sleep within 30 minutes
psqi_item5_b	Lookup	ITEM5	0N	5b. Wake up in the middle of the night or early morning
psqi_item5_c	Lookup	ITEM5	0N	5c .Have to get up to use bathroom
psqi_item5_d	Lookup	ITEM5	0N	5d. Cannot breathe comfortably
psqi_item5_e	Lookup	ITEM5	0N	5e. Cough or snore loudly
psqi_item5_f	Lookup	ITEM5	0N	5f. Feel too cold
psqi_item5_g	Lookup	ITEM5	0N	5g. Feel too hot
psqi_item5_h	Lookup	ITEM5	0N	5h. Had bad dreams
psqi_item5_i	Lookup	ITEM5	0N	5i. Have pain
psqi_item5_j	Lookup	ITEM5	0N	5j. How often during tha past month have you had trouble sleeping because of this?
psqi_item5_yesno	Lookup	ITEM5_YN	0N	Other reason(s)?
psqi_item6	Lookup	ITEM6	0N	6. During the past month, how would you rate your sleep quality overall?



psqi_item7	Lookup	ITEM7	0N	7. During the past month, how often have your taken medicine to help you sleep (prescribed or over the counter)?
psqi_item8	Lookup	ITEM8	0N	8. During the past month, how much of a trouble staying awake while driving, eating meals, or engaging in social activity?
psqi_item9	Lookup	ITEM9	0N	During the past month, how much of a problem has it been for you to keep up enough enthusiasm to get things done?
assessment_date	Date	an10 YYYY- MM-DD	0N	Assessment Date
assessment_performed	Lookup	YN	0N	Was the assessment performed?
reason_not_done	Alphanumeric		0N	Reason not recorded

4.6.4 AIADL Questionnaire

Amsterdam Instrumental Activities of Daily Living (AIADL) Questionnaire

FIELD	TYPE	CONSTRAINTS	MULTIPLICITY	DESCRIPTION
patient_id	Integer	n4	1N	Patient ID
total_score	Numeric	max n3.n2	0N	Total Score
sum_of_scores	Integer	max n2	0N	Sum of Scores
items_scored	Integer	max n2	0N	Total Number of Items Scored
dont_know_count	Integer	max n2	0N	Total Number of Items Not Known
q1	Lookup	YNDK	0N	Did he/she carry out household duties?
q1a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to perform household duties than he/she had in the past?
q1b	Lookup	REASON	0N	He/she did not carry out any household duties for the following reason;
q2	Lookup	YNDK	0N	Did he/she do the shopping?
q2a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to do the shopping than he/she had in the past?
q2b	Lookup	REASON	0N	He/she did not do the shopping for the following reason;
q3	Lookup	YNDK	0N	Did he/she buy the correct amounts when doing the shopping?
q3a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to buy the correct amounts than he/she had in the past?
q3b	Lookup	REASON	0N	He/she did not buy the correct amount for the following reason;
q4	Lookup	YNDK	0N	Did he/she buy the correct items when doing the shopping?
q4a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to buy the correct items than he/she had in the past?
q4b	Lookup	REASON	0N	He/she did not buy the correct items for the following reason;
q5	Lookup	YNDK	0N	Did he/she pay?
q5a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to pay for things than he/she had in the past?
q5b	Lookup	REASON	0N	He/she did not pay for the following reason;
q6	Lookup	YNDK	0N	Did he/she do the cooking?
q6a	Lookup	DIFFICULTY	0N	Did he/she fiind it more difficult to do the cooking than he/she had in the past?
q6b	Lookup	REASON	0N	He/she did not do the cooking for the following reason;
q7	Lookup	YNDK	0N	Did he/she measure out the ingredients needed to cook the meal?
q7a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to measure out the correct amount of ingredients needed to cook the meal than he/she had in the past?

q7b	Lookup	REASON	0N	He/she did not measure out the correct amount of ingredients needed to cook the
q8	Lookup	YNDK	0N	meal for the following reason; Did he/she prepare hot meals?
q8a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to prepare a hot meal than he/she had in the past?
q8b	Lookup	REASON	0N	He/she has not prepared any hot meals for the following reason;
q9	Lookup	YNDK	0N	Did he/she prepare sandwiches?
q9a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to prepare sandwiches than he/she had in the past?
q9b	Lookup	REASON	0N	He/she has not prepared any sandwiches for the following reason;
q10	Lookup	YNDK	0N	Did he/she make any minor repairs to the house?
q10a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to perform minor repairs to the house than he/she had in the past?
q10b	Lookup	REASON	0N	He/she has not performed any minor repairs to the house for the following reason;
q11	Lookup	YNDK	0N	Did he/she use household appliances?
q11a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to use household appliances than he/she had in the past?
q11b	Lookup	REASON	0N	He/she did not use any household appliances for the following reason;
q12	Lookup	YNDK	0N	Did he/she use the microwave oven?
q12a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to use the microwave oven than he/she had in the past?
q12b	Lookup	REASON	0N	He/she did not use the microwave oven for the following reason;
q13	Lookup	YNDK	0N	Did he/she use the various functions of the microwave oven?
q13a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to use the various functions of the microwave oven than he/she had in the past?
q13b	Lookup	REASON	0N	He/she did not use the various functions of the microwave oven for the following reason;
q14	Lookup	YNDK	0N	Did he/she use the oven?
q14a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to use the oven than he/she had in the past?
q14b	Lookup	REASON	0N	He/she did not use the oven for the following reason;
q15	Lookup	YNDK	0N	Did he/she use the dishwasher?
q15a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to use the dishwasher than he/she had in the past?
q15b	Lookup	REASON	0N	He/she did not use the dishwasher for the following reason;
q16	Lookup	YNDK	0N	Did he/she use the coffee maker?
q16a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to use the coffee maker than he/she had in the past?
q16b	Lookup	REASON	0N	He/she did not use the coffee maker for the following reason;
q17	Lookup	YNDK	0N	Did he/she use the washing machine?
q17a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to use the washing machine than he/she had in the past?
a17b	Lookup	REASON	0N	He/she did not use the washing machine for the following reason;
q18	Lookup	YNDK	0N	Did he/she attempt to understand his/her paperwork?
q18a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to understand his/her paperwork than he/she had in the past?
q18b	Lookup	REASON	0N	He/she did not understand his/her paperwork for the following reason;



q19	Lookup	YNDK	0N	Did he/she pay any bills?
q19a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to pay any bills than he/she had in the past?
q19b	Lookup	REASON	0N	He/she did not pay any bills for the following reason;
q20	Lookup	YNDK	0N	Did he/she pay the bills on time?
q20a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to pay the bills on time than he/she had in the past?
q20b	Lookup	REASON	0N	He/she did not pay the bills on time for the following reason;
q21	Lookup	YNDK	0N	Did he/she find it more difficult to look up telephone numbers?
q21a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to look up telephone numbers in order to make calls than he/she had in the past?
a21b	Lookup	REASON	0N	He/she did not look up telephone numbers for the following reason;
q22	Lookup	YNDK	0N	Did he/she use a cell phone?
q22a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to use a cell phone than he/she had in the past?
q22b	Lookup	REASON	0N	He/she did not use a cell phone for the following reason;
q23	Lookup	YNDK	0N	Did he/she manage the paperwork?
q23a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to manage paperwork than he/she had in the past?
q23b	Lookup	REASON	0N	He/she did not manage the paperwork for the following reason;
q24	Lookup	YNDK	0N	Did he/she understand his/her personal finances?
q24a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to understand his/her personal finances than he/she had in the past?
q24b	Lookup	REASON	0N	He/she did not understand his/her personal finances for the following reason
q25	Lookup	YNDK	0N	Did he/she use online banking?
q25a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to use online banking than he/she had in the past?
q25b	Lookup	REASON	0N	He/she did not use online banking for the following reason;
q26	Lookup	YNDK	0N	Did he/she log in to do online banking?
q26a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to log in to online banking than he/she had in the past?
q26b	Lookup	REASON	0N	He/she has not logged in to do online banking for the following reason;
q27	Lookup	YNDK	0N	Did he/she use online banking to make payments?
q27a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to use online banking to make payments than he/she had in the past?
q27b	Lookup	REASON	0N	He/she has not used online banking to make payments for the following reason;
q28	Lookup	YNDK	0N	Did he/she use the PIN code?
q28a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to use the PIN code than he/she had in the past?
q28b	Lookup	REASON	0N	He/she did not use the PIN code for the following reason;
q29	Lookup	YNDK	0N	Did he/she obtain money from a cash machine (ATM)?
q29a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to obtain the correct amount from a cash machine (ATM)?
q29b	Lookup	REASON	0N	He/she has not obtained money a cash machine (ATM) for the following reason;
q30	Lookup	YNDK	0N	Did he/she pay for something using cash?
q30a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to use cash than he/she had in the past?

q30b	Lookup	REASON	0N	He/she did not make cash payments for the following reason;
q31	Lookup	YNDK	0N	Did he/she make appointments?
q31a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to keep appointments than he/she had in the past?
q31b	Lookup	REASON	0N	He/she did not any appointments for the following reason;
q32	Lookup	YNDK	0N	Did he/she fill in forms?
q32a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to fill in forms than he/she had in the past?
q32b	Lookup	REASON	0N	He/she did not fill in forms for the following reason;
q33	Lookup	YNDK	0N	Did he/she work?
q33a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to work than he/she had in the past?
q33b	Lookup	REASON	0N	He/she did not work for the following reason;
q34	Lookup	YNDK	0N	Did he/she function adequately at work?
q34a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to function adequately at work than he/she had in the past?
q34b	Lookup	REASON	0N	He/she did not function adequately at work for the following reason;
q35	Lookup	YNDK	0N	Did he/she use a computer?
q35a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to use a computer than he/she had in the past?
q35b	Lookup	REASON	0N	He/she did not use a computer for the following reason;
q36	Lookup	YNDK	0N	Did he/she search the Internet for information?
q36a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to search the Internet for information than he/she had in the past?
q36b	Lookup	REASON	0N	He/she did not search the Internet for information for the following reason;
q37	Lookup	YNDK	0N	Did he/she use e-mail?
q37a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to use email than he/she had in the past?
q37b	Lookup	REASON	0N	He/she did not use e-mail for the following reason;
q38	Lookup	YNDK	0N	Did he/she use the computer to type?
a38a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to type on the computer than he/she had in the past
q38b	Lookup	REASON	0N	He/she did not type on the computer for the following reason;
q39	Lookup	YNDK	0N	Did he/she use a computer to print documents?
q39a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to print documents using a computer than he/she had in the past?
q39b	Lookup	REASON	0N	He/she did not use a computer to print documents for the following reason;
q40	Lookup	YNDK	0N	Did he/she use a computer to view photographs?
q40a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to use a computer to view photographs than he/she had in the past?
q40b	Lookup	REASON	0N	He/she did not use a computer to view photographs for the following reason;
q41	Lookup	YNDK	0N	Did he/she use a computer to edit photographs?
q41a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to use a computer to edit photographs than he/she had in the past?
q41b	Lookup	REASON	0N	He/she did not use a computer to edit photographs for the following reason;
q42	Lookup	YNDK	0N	Did he/she install software updates on the

q42a	Lookup	DIFFICULTY	0N	Did he/she install software updates on the computer than he/she had in the past?
q42b	Lookup	REASON	0N	He/she did not install software updates on the computer to edit photographs for the following reason;
q43	Lookup	YNDK	0N	Did he/she install new programs on the computer?
q43a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to install new programs than he/she had in the past?
q43b	Lookup	REASON	0N	He/she did not install new programs on the computer for the following reason:
q44	Lookup	YNDK	0N	Did he/she learn how to do new things on the computer?
q44a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to learn how to do new things on the computer than he/she had in the past?
q44b	Lookup	REASON	0N	He/she did not learn how to do new things on the computer for the following reason:
q45	Lookup	YNDK	0N	Did he/she book a trip on the Internet?
q45a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to book a trip on the Internet than he/she had in the past?
q45b	Lookup	REASON	0N	He/she did not book a trip on the Internet for the following reason:
q46	Lookup	YNDK	0N	Did he/she use devices?
q46a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to use devices than he/she had in the past?
q46b	Lookup	REASON	0N	He/she did not use any devices for the following reason:
q47	Lookup	YNDK	0N	Did he/she use the television remote control?
q47a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to use the television remote control than he/she had in the past?
q47b	Lookup	REASON	0N	He/she did not use the television remote control for the following reason:
q48	Lookup	YNDK	0N	Did he/she record television programs (e.g. use a DVR)?
q48a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to record television programs (e.g. use a DVR) than he/she had in the past?
q48b	Lookup	REASON	0N	He/she did not record television programs (e.g. use a DVR) for the following reason:
q49	Lookup	YNDK	0N	Did he/she program a DVR (or other device to record a television program)?
q49a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to program a DVR (or other device to record a television program) than he/she had in the past?
q49b	Lookup	REASON	0N	He/she did not program a DVR (or other device to record a television program) for the following reason:
q50	Lookup	YNDK	0N	Did he/she use a DVD player?
q50a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to use a DVD player than he/she had in the past?
q50b	Lookup	REASON	0N	He/she did not use a DVD player for the following reason:
q51	Lookup	YNDK	0N	Did he/she use a DVD recorder?
q51a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to use a DVD recorder than he/she had in the past?
q51b	Lookup	REASON	0N	He/she did not use a DVD recorder for the following reason:
q52	Lookup	YNDK	0N	Did he/she use an answering machine/voicemail?
q52a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to use an answering machine/voicemail than he/she had in the past?



q52b	Lookup	REASON	0N	He/she did not use an answering machine/voicemail for the following reason:
q53	Lookup	YNDK	0N	Did he/she refer to an instruction manual?
q53a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to refer to an instruction manual than he/she had in the past?
q53b	Lookup	REASON	0N	He/she did not refer to an instruction manual for the following reason:
q54	Lookup	YNDK	0N	Did he/she try to understand an instruction manual?
q54a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to understand an instruction manual than he/she had in the past?
q54b	Lookup	REASON	0N	He/she did not try to understand an instruction manual for the following reason:
q55	Lookup	YNDK	0N	Did he/she use a smartphone (such as an iPhone or Blackberry)?
q55a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to use a smartphone than he/she had in the past?
q55b	Lookup	REASON	0N	He/she did not use a smartphone for the following reason:
q56	Lookup	YNDK	0N	Did he/she learn to use new devices?
q56a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to learn to use new devices than he/she had in the past?
q56b	Lookup	REASON	0N	He/she did not learn to use new devices for the following reason:
q57	Lookup	YNDK	0N	Did he/she play card and board games?
q57a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to play card and board games than he/she had in the past?
q57b	Lookup	REASON	0N	He/she did not play card and board games for the following reason:
q58	Lookup	YNDK	0N	Did he/she plan a vacation?
q58a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to plan a vacation than he/she had in the past?
q58b	Lookup	REASON	0N	He/she did not plan a vacation for the following reason:
q59	Lookup	YNDK	0N	Did he/she drive a car?
q59a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to drive a car than he/she had in the past?
q59b	Lookup	REASON	0N	He/she did not drive a car for the following reason:
q60a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to drive a car without losing his/her way than in the past?
q61	Lookup	YNDK	0N	Was he/she a safe driver?
q61a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to drive a car safely than he/she had in the past?
q61b	Lookup	REASON	0N	He/she did not drive a car safely for the following reason:
q62	Lookup	YNDK	0N	Did he/she read a map?
q62a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to read a map than he/she had in the past?
q62b	Lookup	REASON	0N	He/she did not read a map for the following reason:
q63	Lookup	YNDK	0N	Did he/she read a map of an unfamiliar city or area?
q63a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to read a map of an unfamiliar city or area than he/she had in the past?
q63b	Lookup	REASON	0N	He/she did not read a map of an unfamiliar city or area for the following reason:
q64	Lookup	YNDK	0N	Did he/she use a map to find his/her way to an unfamiliar place?

q64a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to use a map to find his/her way to a new place than he/she had in the past?
q64b	Lookup	REASON	0N	He/she did not use a map to find his/her way to a new place for the following reason:
q65	Lookup	YNDK	0N	Did he/she use GPS (navigation system)?
q65a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to use GPS (navigation system) than he/she had in the past?
q65b	Lookup	REASON	0N	He/she did not use GPS (navigation system) for the following reason:
q66	Lookup	YNDK	0N	Did he/she use public transport?
q66a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to use public transport than he/she had in the past?
q66b	Lookup	REASON	0N	He/she did not make use of public transport for the following reason:
q67	Lookup	YNDK	0N	Did he/she look for important things at home?
q67a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to look for important things at home than in the past?
q67b	Lookup	REASON	0N	He/she did not look for important things at home for the following reason:
q68	Lookup	YNDK	0N	Did he/she look for his/her keys?
q68a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to find his/her keys than in the past?
q68b	Lookup	REASON	0N	He/she did not look for his/her keys for the following reason:
q69	Lookup	YNDK	0N	Has he/she experienced unexpected circumstances?
q69a	Lookup	DIFFICULTY	0N	Did he/she find it more difficult to deal with unexpected circumstances than he/she had in the past?
q70	Lookup	YNDK	0N	Does he/she use medication?
q70a	Lookup	DIFFICULTY	0N	Did he/she have more trouble being responsible for his/her own medication than in the past?
assessment_date	Date	an10 YYYY- MM-DD	0N	Assessment Date
assessment_performed	Lookup	YN	0N	Was the assessment performed?
reason_not_done	Alphanumeric		0N	Reason not recorded

4.7 Biomarkers

4.7.1 MRI Radiological Read

Assessment of MRI brain scan for study eligibility/safety

FIELD	TYPE	CONSTRAINTS	MULTIPLICITY	DESCRIPTION
patient_id	Integer	n4	1N	Patient ID
date_of_mri	Date	an10 YYYY-MM- DD	0N	Date of MRI
SEQC	Lookup	PF	0N	Safety / Eligibility suitability QC Grade
AHMIC	Lookup	YN	0N	Are Microhaemorrhages present?
AHMICBLC	Alphanumeric	max an3	0N	Microhaemorrhages Basal Ganglia Grey Matter, excluding thalamus <5mm Left Certain
AHMICBLU	Alphanumeric	max an3	0N	Microhaemorrhages Basal Ganglia Grey Matter, excluding thalamus <5mm Left Uncertain
AHMICBRC	Alphanumeric	max an3	0N	Microhaemorrhages Basal Ganglia Grey Matter, excluding thalamus <5mm Right Certain
AHMICBRU	Alphanumeric	max an3	0N	Microhaemorrhages Basal Ganglia Grey Matter, excluding thalamus <5mm Right Uncertain
AHMICCLC	Alphanumeric	max an3	0N	Microhaemorrhages Cerebellum <5mm Left Certain
AHMICCLU	Alphanumeric	max an3	0N	Microhaemorrhages Cerebellum <5mm Left Uncertain



	I	1		
AHMICCRC	Alphanumeric	max an3	0N	Microhaemorrhages Cerebellum <5mm Right Certain
AHMICCRU	Alphanumeric	max an3	0N	Microhaemorrhages Cerebellum <5mm Right Uncertain
AHMICGLC	Alphanumeric	max an3	0N	Microhaemorrhages Cortex Grey White Junction
AHMICGLU	Alphanumeric	max an3	0N	<5mm Left Certain Microhaemorrhages Cortex Grey White Junction
AHMICGRC	Alphanumeric	max an3	0N	<5mm Left Uncertain Microhaemorrhages Cortex Grey White Junction
AHMICGRU	Alphanumeric	max an3	0N	<5mm Right Certain Microhaemorrhages Cortex Grey White Junction
AHMICILC	Alphanumeric	max an3	0N	<5mm Right Uncertain Microhaemorrhages Internal and External Capsule,
AHMICILU	Alphanumeric	max an3	0N	excluding thalamus <5mm Left Certain Microhaemorrhages Internal and External Capsule,
AHMICIRC	Alphanumeric	max an3	0N	excluding thalamus <5mm Left Uncertain Microhaemorrhages Internal and External Capsule,
AHMICIRU	Alphanumeric	max an3	0N	excluding thalamus <5mm Right Certain Microhaemorrhages Internal and External Capsule,
	•	_		excluding thalamus <5mm Right Uncertain
AHMICSLC	Alphanumeric	max an3	0N	Microhaemorrhages Brainstem <5mm Left Certain
AHMICSLU	Alphanumeric	max an3	0N	Microhaemorrhages Brainstem <5mm Left Uncertain
AHMICSRC	Alphanumeric	max an3	0N	Microhaemorrhages Brainstem <5mm Right Certain
AHMICSRU	Alphanumeric	max an3	0N	Microhaemorrhages Brainstem <5mm Right Uncertain
AHMICTLC	Alphanumeric	max an3	0N	Microhaemorrhages Thalamus <5mm Left Certain
AHMICTLU	Alphanumeric	max an3	0N	Microhaemorrhages Thalamus <5mm Left Uncertain
AHMICTRC	Alphanumeric	max an3	0N	Microhaemorrhages Thalamus <5mm Right Certain
AHMICTRU	Alphanumeric	max an3	0N	Microhaemorrhages Thalamus <5mm Right Uncertain
AHMICWLC	Alphanumeric	max an3	0N	Microhaemorrhages Subcortical white matter <5mm Left Certain
AHMICWLU	Alphanumeric	max an3	0N	Microhaemorrhages Subcortical white matter <5mm Left Uncertain
AHMICWRC	Alphanumeric	max an3	0N	Microhaemorrhages Subcortical white matter <5mm Right Certain
AHMICWRU	Alphanumeric	max an3	0N	Microhaemorrhages Subcortical white matter <5mm Right Uncertain
AHMIMBLC	Alphanumeric	max an3	0N	Microhaemorrhages Basal Ganglia Grey Matter, excluding thalamus 5-10mm Left Certain
AHMIMBLU	Alphanumeric	max an3	0N	Microhaemorrhages Basal Ganglia Grey Matter, excluding thalamus 5-10mm Left Uncertain
AHMIMBRC	Alphanumeric	max an3	0N	Microhaemorrhages Basal Ganglia Grey Matter, excluding thalamus 5-10mm Right Certain
AHMIMBRU	Alphanumeric	max an3	0N	Microhaemorrhages Basal Ganglia Grey Matter, excluding thalamus 5-10mm Right Uncertain
AHMIMCLC	Alphanumeric	max an3	0N	Microhaemorrhages Cerebellum 5-10mm Left
AHMIMCLU	Alphanumeric	max an3	0N	Certain Microhaemorrhages Cerebellum 5-10mm Left
AHMIMCRC	Alphanumeric	max an3	0N	Uncertain Microhaemorrhages Cerebellum 5-10mm Right
AHMIMCRU	Alphanumeric	max an3	0N	Certain Microhaemorrhages Cerebellum 5-10mm Right Uncertain
AHMIMGLC	Alphanumeric	max an3	0N	Microhaemorrhages Cortex Grey White Junction 5-
AHMIMGLU	Alphanumeric	max an3	0N	10mm Left Certain Microhaemorrhages Cortex Grey White Junction 5- 10mm Left Uncertain
AHMIMGRC	Alphanumeric	max an3	0N	Microhaemorrhages Cortex Grey White Junction 5-
AHMIMGRU	Alphanumeric	max an3	0N	10mm Right Certain Microhaemorrhages Cortex Grey White Junction 5-
AHMIMILC	Alphanumeric	max an3	0N	10mm Right Uncertain Microhaemorrhages Internal and External Capsule,
			0 N	excluding thalamus 5-10mm Left Certain
AHMIMILU	Alphanumeric	max an3	0N	Microhaemorrhages Internal and External Capsule, excluding thalamus 5-10mm Left Uncertain

FPAD	
European Prevention of Alzheimer's Dementia Consortium	

AHMIMIRU	Alphanumeric	max an3	0N	Microhaemorrhages Internal and External Capsule, excluding thalamus 5-10mm Right Uncertain
AHMIMSLC	Alphanumeric	max an3	0N	Microhaemorrhages Brainstem 5-10mm Left Certain
AHMIMSLU	Alphanumeric	max an3	0N	Microhaemorrhages Brainstem 5-10mm Left Uncertain
AHMIMSRC	Alphanumeric	max an3	0N	Microhaemorrhages Brainstem 5-10mm Right Certain
AHMIMSRU	Alphanumeric	max an3	0N	Microhaemorrhages Brainstem 5-10mm Right Uncertain
AHMIMTLC	Alphanumeric	max an3	0N	Microhaemorrhages Thalamus 5-10mm Left Certain
AHMIMTLU	Alphanumeric	max an3	0N	Microhaemorrhages Thalamus 5-10mm Left Uncertain
AHMIMTRC	Alphanumeric	max an3	0N	Microhaemorrhages Thalamus 5-10mm Right Certain
AHMIMTRU	Alphanumeric	max an3	0N	Microhaemorrhages Thalamus 5-10mm Right Uncertain
AHMIMWLC	Alphanumeric	max an3	0N	Microhaemorrhages Subcortical white matter 5- 10mm Left Certain
AHMIMWLU	Alphanumeric	max an3	0N	Microhaemorrhages Subcortical white matter 5- 10mm Left Uncertain
AHMIMWRC	Alphanumeric	max an3	0N	Microhaemorrhages Subcortical white matter 5- 10mm Right Certain
AHMIMWRU	Alphanumeric	max an3	0N	Microhaemorrhages Subcortical white matter 5- 10mm Right Uncertain
AHSWICOM	Alphanumeric	max an250	0N	Comment on any discrepancies between the micro- haemorrhage count in the SWI image compared to the T2-star
AHSWISLI	Alphanumeric	max an250	0N	Comment on slice number of microhaemorrhages
SS	Lookup	YN	0N	Evidence of Superficial Siderosis
SSL	Alphanumeric	max an200	0N	Superficial Siderosis Comment, including side, lobar region and if it is focal/disseminated
AE	Lookup	YN	0N	Findings consistent with ARIA-E?
AE1AB	Lookup	ABNORMALITY	0N	ARIA-E 1 Abnormality
AE1LOC	Lookup	LOCATION	0N	ARIA-E 1 Location
AE1SID	Lookup	SIDE	0N	ARIA-E 1 Side
AE1SL	Alphanumeric	max an3	0N	ARIA-E 1 Slice Number
AE2AB	Lookup	ABNORMALITY	0N	ARIA-E 2 Abnormality
AE2LOC	Lookup	LOCATION	0N	ARIA-E 2 Location
AE2SID	Lookup	SIDE	0N	ARIA-E 2 Side
AE2SL	Alphanumeric	max an3	0N	ARIA-E 2 Slice Number
KOEDAM	Lookup	KOEDAM	0N	Koedam Score
FSD	Lookup	FSD	0N	Fazekas Scale Deep
FSPV	Lookup	FSPV	0N	Fazekas Scale Periventricular
EPSBG	Lookup	EPSBG	0N	Enlarged Perivascular Spaces Basal Ganglia
EPSCS	Lookup	EPSCS	0N	Enlarged Perivascular Spaces Centrum Semiovale
EPSPM	Lookup	EPSPM	0N	Enlarged Perivascular Spaces Perivascular Midbrain
MTAL	Lookup	MTAL	0N	MTA score on left side
MTAR	Lookup	MTAR	0N	MTA score on right side
OTHFND	Lookup	YN	0N	Other Clinically Relevant Findings?
OTHFNDCO	Alphanumeric	max an200	0N	Other Finding Comment
OTHFNDL	Lookup	OTHFNDL	0N	Other Finding Location
OTHFNDT	Lookup	OTHFNDT	0N	Other Finding Type
OTHPFND	Lookup	YN	0N	Other potentially Clinically Relevant Findings?
RCO	Alphanumeric	max an200	0N	Reader Comment
READDAT	Date	an10 YYYY-MM- DD	0N	Read done on
READWHO	Alphanumeric	max an200	0N	Read done by
SAFFND	Lookup	YN	0N	New Safety Finding?
ELIG	Lookup	ELIG	0N	Subject suitable for Study?
DISCMET	Lookup	YN	0N	Has the Discontinuation Criteria been met?
	_00.10p		J 1	Diocontinuation officina booti mot:

4.7.2 MRI Lacunes & Infarcts

Measurement of brain lacunes & infarcts

FIELD	TYPE	CONSTRAINTS	MULTIPLICITY	DESCRIPTION	
patient_id	Integer	n4	1N	Patient ID	
date_of_mri	Date	an10 YYYY-MM- DD	0N	Date of MRI	
LAC1DEF	Lookup	DEFINITION	0N	Lacune 1 Definition	
LAC1LOC	Lookup	LOCATION	0N	Lacune 1 Location	
LAC1SID	Lookup	SIDE	0N	Lacune 1 Side	
LAC1SLI	Alphanumeric		0N	Lacune 1 Slice Number	
LAC2DEF	Lookup	DEFINITION	0N	Lacune 1 Definition	
LAC2LOC	Lookup	LOCATION	0N	Lacune 1 Location	
LAC2SID	Lookup	SIDE	0N	Lacune 1 Side	
LAC2SLI	Alphanumeric		0N	Lacune 1 Slice Number	
LAC3DEF	Lookup	DEFINITION	0N	Lacune 1 Definition	
LAC3LOC	Lookup	LOCATION	0N	Lacune 1 Location	
LAC3SID	Lookup	SIDE	0N	Lacune 1 Side	
LAC3SLI	Alphanumeric		0N	Lacune 1 Slice Number	
LAC4DEF	Lookup	DEFINITION	0N	Lacune 1 Definition	
LAC4LOC	Lookup	LOCATION	0N	Lacune 1 Location	
LAC4SID	Lookup	SIDE	0N	Lacune 1 Side	
LAC4SLI	Alphanumeric		0N	Lacune 1 Slice Number	
LACCOM	Alphanumeric	max an200	0N	Lacunes Comment	
LACCOU	Lookup	LACUNES_COUNT	0N	Lacunes Count	
LACM	Lookup	YN	0N	Are there more than 4 Lacunes?	
TICOM	Alphanumeric	max an200	0N	Comments on infarcts	
TIFC	Lookup	YN	0N	Is there evidence of any full territory cerebellar infarct?	
TIOC	Lookup	YN	0N	Is there evidence of any territorial infarct outside of the cerebellum, including full, partial, or watershed infarct?	

4.7.3 MRI Volumetric

Measurement of brain volumetric parameters

FIELD	TYPE	CONSTRAINTS	MULTIPLICITY	DESCRIPTION
patient_id	Integer	n4	1N	Patient ID
date_of_mri	Date	an10 YY-MM- DD	0N	WBLEAP Volume - Scan Date of MRI
LBV	Numeric		0N	WBLEAP Volume
LBVQC	Lookup	PF	0N	WBLEAP QC Grade
LBVQCC	Alphanumeric	max an200	0N	WBLEAP QC Comment
LHQCC	Alphanumeric	max an200	0N	LEAP Hippocampus Volume QC Comment
LHQCG	Lookup	PF	0N	LEAP Hippocampus QC Grade
LHVL	Numeric		0N	LEAP Left Hippocampus Volume
LHVR	Numeric		0N	LEAP Right Hippocampus Volume
LLHLA	Numeric		0N	LLEAP Hippocampus Atrophy Left
LLHLPA	Numeric		0N	LLEAP Hippocampus Percent Atrophy Left
LLHLR	Numeric		0N	LLEAP Hippocampus Atrophy Right
LLHQCC	Alphanumeric	max an200	0N	LLEAP Hippocampus QC Comment
LLHQCG	Lookup	PF	0N	LLEAP Hippocampus QC Grade
LLHRPA	Numeric		0N	LLEAP Hippocampus Percent Atrophy Right
LLHVL	Numeric		0N	LLEAP Hippocampus Volume Left



LLHVR	Numeric		0N	LLEAP Hippocampus Volume Right
LLPA	Numeric		0N	LLEAP Ventricle Percent Atrophy
LLVA	Numeric		0N	LLEAP Ventricle Atrophy
LLVV	Numeric		0N	LLEAP Ventricle Volume
LLVVQC	Lookup	PF	0N	LLEAP Ventricular Volume QC Grade
LLVVQCC	Alphanumeric	max an200	0N	LLEAP Lateral Ventricles Volume QC Comment
LVV	Numeric		0N	LEAP Ventricular Volume
LVVQC	Lookup	PF	0N	LEAP Ventricular Volume QC Grade
LVVQCC	Alphanumeric	max an200	0N	LEAP Lateral Ventricles Volume QC Comment
LWMDP	Numeric		0N	LEAP White Matter Deep Lesion Percentage
LWMDV	Numeric		0N	LEAP White Matter Deep Lesion Volume
LWMJCP	Numeric		0N	LEAP White Matter Juxtacortical Lesion Percentage
LWMJCV	Numeric		0N	LEAP White Matter Juxtacortical Lesion Volume
LWMJVP	Numeric		0N	LEAP White Matter Juxtaventricular Lesion Percentage
LWMJVV	Numeric		0N	LEAP White Matter Juxtaventricular Lesion Volume
LWMPVP	Numeric		0N	LEAP White Matter Periventricular Lesion Percentage
LWMPVV	Numeric		0N	LEAP White Matter Periventricular Lesion Volume
LWMQC	Lookup	PF	0N	LEAP White Matter Endpoint QC Grade
LWMQCC	Alphanumeric	max an200	0N	LEAP White Matter QC Comment
LWMV	Numeric		0N	LEAP White Matter Lesion Volume
WBLBV	Numeric		0N	WBLLEAP Adjusted Repeat Brain Volume
WBLBVCH	Numeric		0N	WBLLEAP Brain Percent Atrophy
WBLBVQC	Lookup	PF	0N	WBLLEAP QC Grade
WBLBVQCC	Alphanumeric	max an200	0N	WBLLEAP QC Comment
PTIV	Numeric		0N	PTIV Factor
PTIVQC	Lookup	PF	0N	PTIV Factor QC Grade
PTIVQCC	Alphanumeric	max an200	0N	PTIV Factor QC Comment

4.7.4 Biological Samples

Laboratory Kit Identification, results from CSF analysis for beta-amyloid, t-tau, ptau, results from DNA extracted from blood for Apolipoprotein E (APOE) genotype

FIELD	TYPE	CONSTRAINTS	MULTIPLICITY	DESCRIPTION
patient_id	Integer	n4	1N	Patient ID
apoe_result	Lookup	APOE	0N	APOE Result
apoe_blood_sample_collected	Date	an10 YYYY-MM- DD	0N	Blood Date Sample Collected
apoe_blood_sample_id	Alphanumeric	an6	0N	Blood Sample ID
ptau_result	Alphanumeric	max an5	0N	pTau Result
ttau_result	Alphanumeric	max an5	0N	tTau Result
abeta_1_42_result	Alphanumeric	max an5	0N	Abeta(1-42) Result
abeta_1_42_comments	Alphanumeric	max an200	0N	Abeta(1-42) Comments
csf_sample_collected	Date	an10 YYYY-MM- DD	0N	CSF Date Sample Collected
csf_sample_id	Alphanumeric	an6	0N	CSF Sample ID
reason_not_analysed	Alphanumeric	max an200	0N	CSF Reason Test Not Done

4.8 Adverse Events

4.8.1 Adverse Events

Adverse Events related to study procedures



FIELD	TYPE	CONSTRAINTS	MULTIPLI CITY	DESCRIPTION
patient_id	Integer	n4	1N	Patient ID
adverse_event_ter m	Alphanu meric	max n200	0N	What is the adverse event term?
start_date	Date	an10 YYYY-MM-DD	0N	Start Date
end_date	Date	an10 YYYY-MM-DD	0N	End Date
event_ongoing	Lookup	ONGOING	0N	Is the adverse event still ongoing?
severity	Lookup	SEVERITY	0N	Severity
therapy_given	Lookup	THERAPY_GIVEN	0N	Concomitant or additional therapy given for this adverse event?
outcome	Lookup	OUTCOME	0N	Outcome
stabalized	Lookup	STABILIZED	0N	If not recovered or not resolved, has the event stabilized?
stabalized_date	Date	an10 YYYY-MM-DD	0N	If yes, date of stabilization
related_trial_proced ure	Lookup	RELATED_TRIAL_PR OCEDURE	0N	Related Trial Procedure
serious	Lookup	SERIOUS	0N	Is the adverse event serious?
death	Lookup	DEATH	0N	Death
cause_of_death	Alphanu meric	max n200	0N	Cause of Death
life_threatening	Lookup	LIFE_THREATENING	0N	Is life-threatening
hospitalization	Lookup	HOSPITALIZATION	0N	Requires hospitalization
significant_disability	Lookup	SIGNIFICANT_DISAB ILITY	0N	Persistent/significant disability/incapacity
lowest_level_term	Integer	n8	0N	Lowest Level Term
preferred_term	Integer	n8	0N	Preferred Term
high_level_term	Integer	n8	0N	High Level Term
high_level_group_te rm	Integer	n8	0N	High Level Group Term
meddra_version_nu mber	Alphanu meric	max n20	0N	MedDRA Version Number
body_system_or_or gan_class	Integer	n8	0N	Body System or Organ Class

APPROVAL	
Bert Overduin – Author Aridhia Data Engineer	Date:
Judith Syson – Author UEDIN EPAD International Coordinator WP4	Date:
Professor Craig Ritchie EPAD LCS Chief Investigator	Date:

