

EPAD LCS DOI Process Description

DOCUMENT VERSION:	1.0 Draft
AUTHOR:	Bert Overduin
ISSUE DATE:	10 May 2019
EFFECTIVE DATE:	10 May 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.

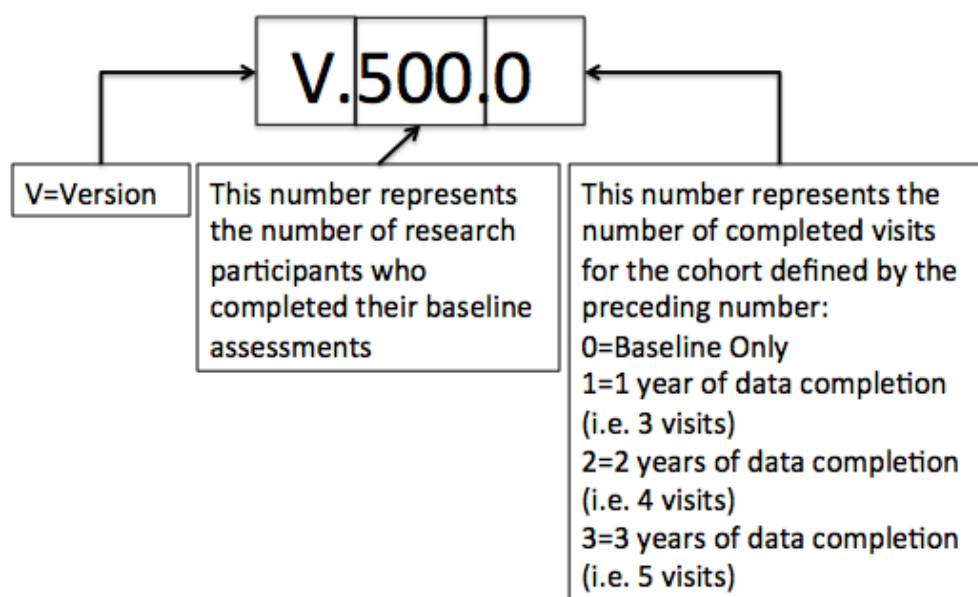
Data sets for which participant recruitment has been completed to date, Last Participant Last Visit (LPLV) are listed below. The definition of a participant in the data set is that the participants gave consent and was enrolled in the EPAD LCS. Participant who have withdrawn from the LCS for any reason have not been replaced.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 (Digital Object Identifier) assignment

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 Dataset Library (<https://library.aridhia.net/>). This document confirms the data definitions as defined at the general release of V500.0. The electronic Dataset Library will be updated with any changes.

4.1 Consent & Eligibility

4.1.1 Consent (epadlcs_consent)

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

FIELD	TYPE	CONSTRAINTS	DESCRIPTION
patient_id	Integer		Patient ID
date_study_partner	Date	YYYY-MM-DD	What was the date of the signature on informed consent by Study Partner?
date_research_participant	Date	YYYY-MM-DD	What was the date of the signature on informed consent by Research Participant?
date_protocol	Date	YYYY-MM-DD	What was the Protocol Version date?
opt1	Lookup	AGREE	I agree to receive information about clinically relevant incidental findings not related to Alzheimer's disease.
opt2	Lookup	AGREE	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	AGREE	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	AGREE	I agree to the data previously collected in the original PC being exported and used in this study.
opt5	Lookup	AGREE	I agree to the data collected from me during this study to be returned to the PI of the original PC.
opt6	Lookup	AGREE	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	AGREE	I agree to be re-contacted about future research with the same objective.
opt8	Lookup	AGREE	I agree to be re-contacted about future research with other objectives.

4.1.2 Eligibility (epadlcs_eligibility)

Eligibility confirmation or record of reason for non-eligibility

FIELD	TYPE	CONSTRAINTS	DESCRIPTION
patient_id	Integer		Patient ID
subject_met_elig_criteria	Lookup	ELIGIBILITY	Did the subject meet all eligibility criteria?

criterion_category_not_met	Lookup	CATEGORY	What was the category of the criterion?
criterion_id_not_met	Lookup	ID	Criterion ID Not Met

4.1.3 Recruitment Link (epadlcs_derids)

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	DESCRIPTION
patient_id	Integer		Patient ID
derived_id	Text	max length 100	Derived ID from Parent Cohort
velocity_id	Text	max length 100	Velocity ID from Clinic

4.2 Demographics & History

4.2.1 Socio-demographics (epadlcs_socio_demographics)

General demographic data

FIELD	TYPE	CONSTRAINTS	DESCRIPTION
patient_id	Integer		Patient ID
site_name	Text	max length 255	Site Short Name
site_id	Text	max length 8	Site ID
sex	Lookup	SEX	What is the sex of the subject?
age_years	Integer	max length 8	What is the subject's age?
age_months	Integer	max length 8	Month
handedness	Lookup	HANDEDNESS	Handedness
years_education	Integer	max length 8	Number of years of formal education
marital_status	Lookup	MARITAL_STATUS	Marital status
ethnicity	Lookup	ETHNICITY	What is the ethnicity of the subject?

4.2.2 Dementia (epadlcs_family_history)

Family History of Alzheimer's Disease / Dementia

FIELD	TYPE	CONSTRAINTS	DESCRIPTION
patient_id	Integer		Patient ID
family_dementia_history	Lookup	DEMENTIA	Any family history compatible with Alzheimer's disease or other cause of dementia?
mother_dementia_history	Lookup	DEMENTIA	Mother - History compatible with Alzheimer's disease or other cause of dementia?
mother_bio_relative	Lookup	BIOLOGICAL_RELATIVE	Mother - Biological relative
mother_age_at_diagnosis	Integer	max length 8	Mother - Age at diagnosis
father_dementia_history	Lookup	DEMENTIA	Father - History compatible with Alzheimer's disease or other cause of dementia?
father_bio_relative	Lookup	BIOLOGICAL_RELATIVE	Father - Biological relative
father_age_at_diagnosis	Integer	max length 8	Father - Age at diagnosis

sister_dementia_history	Lookup	DEMENTIA	Sister - History compatible with Alzheimer's disease or other cause of dementia?
sister_bio_relative	Lookup	BIOLOGICAL_RELATIVE	Sister - Biological relative
sister_age_at_diagnosis	Integer	max length 8	Sister - Age at diagnosis
sister2_dementia_history	Lookup	DEMENTIA	Sister 2 - History compatible with Alzheimer's disease or other cause of dementia?
sister2_bio_relative	Lookup	BIOLOGICAL_RELATIVE	Sister 2 - Biological relative
sister2_age_at_diagnosis	Integer	max length 8	Sister 2 - Age at diagnosis
sister3_dementia_history	Lookup	DEMENTIA	Sister 3 - History compatible with Alzheimer's disease or other cause of dementia?
sister3_bio_relative	Lookup	BIOLOGICAL_RELATIVE	Sister 3 - Biological relative
sister3_age_at_diagnosis	Integer	max length 8	Sister 3 - Age at diagnosis
brother_dementia_history	Lookup	DEMENTIA	Brother - History compatible with Alzheimer's disease or other cause of dementia?
brother_bio_relative	Lookup	BIOLOGICAL_RELATIVE	Brother - Biological relative
brother_age_at_diagnosis	Integer	max length 8	Brother - Age at diagnosis
brother2_dementia_history	Lookup	DEMENTIA	Brother 2 - History compatible with Alzheimer's disease or other cause of dementia?
brother2_bio_relative	Lookup	BIOLOGICAL_RELATIVE	Brother 2 - Biological relative
brother2_age_at_diagnosis	Integer	max length 8	Brother 2 - Age at diagnosis
brother3_dementia_history	Lookup	DEMENTIA	Brother 3 - History compatible with Alzheimer's disease or other cause of dementia?
brother3_bio_relative	Lookup	BIOLOGICAL_RELATIVE	Brother 3 - Biological relative
brother3_age_at_diagnosis	Integer	max length 8	Brother 3 - Age at diagnosis

4.2.3 Physical Examination (epadlcs_physical_exam)

FIELD	TYPE	CONSTRAINTS	DESCRIPTION
patient_id	Integer		Patient ID
was_physical_exam_performed	Lookup	PERFORMED	Was the physical examination performed?
reason_not_performed	Lookup	REASON_NOT_PERFORMED	Reason not performed
physical_exam_date	Date	YYYY-MM-DD	Exam Date
was_ecg_performed	Lookup	ECG	Was ECG performed?
abdomen_results	Lookup	RESULT	Abdomen - Results
abdomen_abnormal_findings	Text	max length 200	Abdomen - Abnormal Findings
abdomen_clin_signif	Lookup	SIGNIFICANT	Abdomen - Clinically Significant
chest_results	Lookup	RESULT	Chest - Results
chest_abnormal_findings	Text	max length 200	Chest - Abnormal Findings
chest_clin_signif	Lookup	SIGNIFICANT	Chest - Clinically Significant
ears_nose_throat_results	Lookup	RESULT	Ears Nose Throat - Results
ears_nose_throat_abnormal_findings	Text	max length 200	Ears Nose Throat - Abnormal Findings
ears_nose_throat_clin_signif	Lookup	SIGNIFICANT	Ears Nose Throat - Clinically Significant

eyes_results	Lookup	RESULT	Eyes - Results
eyes_abnormal_findings	Text	max length 200	Eyes - Abnormal Findings
eyes_clin_signif	Lookup	SIGNIFICANT	Eyes - Clinically Significant
general_appearance_results	Lookup	RESULT	General Appearance - Results
general_appearance_abnormal_findings	Text	max length 200	General Appearance - Abnormal Findings
general_appearance_clin_signif	Lookup	SIGNIFICANT	General Appearance - Clinically Significant
heart_results	Lookup	RESULT	Heart - Results
heart_abnormal_findings	Text	max length 200	Heart - Abnormal Findings
heart_clin_signif	Lookup	SIGNIFICANT	Heart - Clinically Significant
head_neck_throat_results	Lookup	RESULT	Head Neck Throat - Results
head_neck_throat_abnormal_findings	Text	max length 200	Head Neck Throat - Abnormal Findings
head_neck_throat_clin_signif	Lookup	SIGNIFICANT	Head Neck Throat - Clinically Significant
respiratory_results	Lookup	RESULT	Respiratory - Results
respiratory_abnormal_findings	Text	max length 200	Respiratory - Abnormal Findings
respiratory_clin_signif	Lookup	SIGNIFICANT	Respiratory - Clinically Significant
lymph_nodes_results	Lookup	RESULT	Lymph Nodes - Results
lymph_nodes_abnormal_findings	Text	max length 200	Lymph Nodes - Abnormal Findings
lymph_nodes_clin_signif	Lookup	SIGNIFICANT	Lymph Nodes - Clinically Significant
musculoskeletal_results	Lookup	RESULT	Musculoskeletal - Results
musculoskeletal_abnormal_findings	Text	max length 200	Musculoskeletal - Abnormal Findings
musculoskeletal_clin_signif	Lookup	SIGNIFICANT	Musculoskeletal - Clinically Significant
neurological_results	Lookup	RESULT	Neurological - Results
neurological_abnormal_findings	Text	max length 200	Neurological - Abnormal Findings
neurological_clin_signif	Lookup	SIGNIFICANT	Neurological - Clinically Significant
skin_results	Lookup	RESULT	Skin - Results
skin_abnormal_findings	Text	max length 200	Skin - Abnormal Findings
skin_clin_signif	Lookup	SIGNIFICANT	Skin - Clinically Significant

4.2.4 Vital Signs (epadlcs_vital_signs)

FIELD	TYPE	CONSTRAINTS	UNIT	DESCRIPTION
Patient ID	Integer			Patient ID
Vital Signs Collected	Lookup	PERFORMED		Were vital signs collected?
Reason Not Collected	Lookup	REASON_NOT_PERFORMED		If No, Please provide reason.
Date Collected	Date	YYYY-MM-DD		Date
Height	Numeric	max length 8	cm	Height
Weight	Numeric	max length 8	kg	Weight
Hip Circumference	Numeric	max length 8	cm	Hip Circumference
Waist Circumference	Numeric	max length 8	cm	Waist Circumference
Systolic Bp	Numeric	max length 8	mm Hg	Systolic Blood Pressure

Diastolic Bp	Numeric	max length 8	mm Hg	Diastolic Blood Pressure
Pulse	Numeric	max length 8	bpm	Pulse

4.2.5 General Medical History (epadlcs_medical_history)

FIELD	TYPE	CONSTRAINTS	DESCRIPTION
patient_id	Integer		Patient ID
medical_history_term	LOOKUP	TERM	Medical History Term
medical_history_code	LOOKUP	CODE	Medical History Term Coded Value
lowest_level_term	Text	max length 100	Lowest Level Term
lowest_level_code	Text	max length 8	Lowest Level Term Code
preferred_term	Text	max length 120	Preferred Term
preferred_term_code	Text	max length 8	Preferred Term Code
high_level_term	Text	max length 120	High Level Term
high_level_term_code	Text	max length 8	High Level Term Code
high_level_group_term	Text	max length 120	High Level Group Term
high_level_group_term_code	Text	max length 8	High Level Group Term Code
body_system_or_organ_class	Text	max length 120	Body System or Organ Class
body_system_or_organ_class_code	Text	max length 8	Body System or Organ Class Code
meddra_version_number	Text	max length 20	MedDRA Version Number

4.2.6 Current Medication (epadlcs_current_medication)

FIELD	TYPE	CONSTRAINTS	DESCRIPTION
patient_id	Integer		Patient ID
medication_therapy	Text	max length 100	Medication or Therapy
start_date_interpolated	Date	YYYY-MM-DD	Start Date
start_date_raw	Text	DD MON YYYY	Start Date
end_date_interpolated	Date	YYYY-MM-DD	End Date
end_date_raw	Text	DD MON YYYY	End Date
ongoing	Lookup	ONGOING	Is the medication/therapy still ongoing?
indication	Text	max length 200	Indication
route_of_admin	Text	max length 100	Route of Administration
whodd_drugname	Text	max length 50	WHODD Drug Name
whodd_prefname	Text	max length 50	WHODD Preferred Name
whodd_drugcode	Text	max length 11	WHODD Drug Code
whodd_version_number	Text	max length 20	WHODD Version Number

4.3 Lifestyle Assessment

4.3.1 Lifestyle Factors (epadlcs_life)

FIELD	TYPE	CONSTRAINTS	DESCRIPTION
patient_id	Integer		Patient ID
lifestyle_assessment_completed	Lookup	PERFORMED	Was the assessment performed?
reason_not_completed	Lookup	REASON_NOT_PERFORMED	If No, please provide reason.
current_health	Lookup	CURRENT_HEALTH	How is your current health?
physical activity	Lookup	PHYSICAL_ACTIVITY	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	How is your current physical fitness?

smoking	Lookup	SMOKING	Smoking
drug_abuse	Lookup	DRUG_ABUSE	Drug abuse/misuse
drug_name	Text	max length 200	Name of drug where applicable

4.3.2 HATICE (epadlcs_hatice)

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

FIELD	TYPE	CONSTRAINTS	DESCRIPTION
patient_id	Integer		Patient ID
assessment_performed	Lookup	PERFORMED	Was the assessment performed?
assessment_date	Date	YYYY-MM-DD	If Yes, provide date of assessment
reason_not_done	Lookup	REASON_NOT_PERFORMED	If No, Please provide reason
lcs1	Lookup	LCS1	Q1. In total how many times do you usually have something to eat or drink during a weekday?
lcs2_1	Numeric	max length 8	Q2. On average how many servings do you eat a week of the following dishes as a main course? 1. Fish and seafood
lcs2_2	Numeric	max length 8	Q2. On average how many servings do you eat a week of the following dishes as a main course? 2. Sausage
lcs2_3	Numeric	max length 8	Q2. On average how many servings do you eat a week of the following dishes as a main course? 3. Poultry or rabbit
lcs2_4	Numeric	max length 8	Q2. On average how many servings do you eat a week of the following dishes as a main course? 4. Meat (excluding sausage)
lcs2_5	Numeric	max length 8	Q2. On average how many servings do you eat a week of the following dishes as a main course? 5. Vegetarian
lcs3_1	Numeric	max length 8	Q3. How many slices of cold cuts do you usually eat per day? 1. slices of cold cuts with greater than 10% fat (local examples)
lcs3_2	Numeric	max length 8	Q3. How many slices of cold cuts do you usually eat per day? 2. slices of cold cuts with greater than 10% fat (bacon, salami, local examples)
lcs4	Lookup	LCS4	Q4. 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)?
lcs5	Lookup	LCS5	Q5. What type of cooking fat or oil is most often used in your household?
lcs6	Lookup	LCS6	Q6. How much olive or vegetable oil do you usually consume per day (including that used in frying, salads, meals eaten away from home, etc.)?
lcs7	Lookup	LCS7	Q7. How many servings of nuts or seeds do you usually eat?
lcs8	Lookup	LCS8	Q8. How many servings of legumes (e.g. lentils, beans, peas) do you usually eat?

lcs9	Lookup	LCS9	Q9. How many servings of other raw or cooked vegetables do you usually eat (e.g. tomatoes, carrots, cabbage, lettuce)?
lcs10	Lookup	LCS10	Q10. What kind of salad dressing do you usually use?
lcs11	Lookup	LCS11	Q11. How many servings of fruit do you usually eat?
lcs12_1	Numeric	max length 8	Q12. How many servings of milk or milk products (excluding butter, cream and cheese) such as yoghurt do you usually consume per day? 1. servings of milk products with less than 1 % fat (skimmed milk or fat-free yogurt)
lcs12_2	Numeric	max length 8	Q12. How many servings of milk or milk products (excluding butter, cream and cheese) such as yoghurt do you usually consume per day? 2. servings of milk products with 1- less than 2 % fat (semi-skimmed milk)
lcs12_3	Numeric	max length 8	Q12. How many servings of milk or milk products (excluding butter, cream and cheese) such as yoghurt do you usually consume per day? 3. servings of milk products with 2-3 % fat (full fat milk or regular yogurt)
lcs12_4	Numeric	max length 8	Q12. How many servings of milk or milk products (excluding butter, cream and cheese) such as yoghurt do you usually consume per day? 4. servings of milk products with greater than 3 % fat or more
lcs12_5	Numeric	max length 8	Q12. How many servings of milk or milk products (excluding butter, cream and cheese) such as yoghurt do you usually consume per day? 5. servings of sweet milk products such as ice cream or pudding
lcs13	Lookup	LCS13	Q13. How many servings of butter or cream do you usually consume?
lcs14_1	Numeric	max length 8	Q14. On average how much bread and these other cereals do you eat per day? 1. slices of rye- or crispbread (greater than;10 g fibre/100g)
lcs14_2	Numeric	max length 8	Q14. On average how much bread and these other cereals do you eat per day? 2. slices of graham or mixed grain bread (4-10 g fibre/100g)
lcs14_3	Numeric	max length 8	Q14. On average how much bread and these other cereals do you eat per day? 3. slices of white bread (less than 4 g fibre/100g)
lcs14_4	Numeric	max length 8	Q14. On average how much bread and these other cereals do you eat per day? 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 length 8	Q14. On average how much bread and these other cereals do you eat per day? 5. 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 length 8	Q14. On average how much bread and these other cereals do you eat per day? 6. servings of muesli or high-fibre breakfast cereals (1 serving is a small size cup or about 0.8 dl)
lcs14_7	Numeric	max length 8	Q14. On average how much bread and these other cereals do you eat per day? 7. slices of sweet bread
lcs15_1	Numeric	max length 8	Q15. On average how many servings of the following starchy food (cooked) do you eat per week? 1. 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 length 8	Q15. On average how many servings of the following starchy food (cooked) do you eat per week? 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 length 8	Q15. On average how many servings of the following starchy food (cooked) do you eat per week? 3. serving of fries (1 serving is a medium size cup or 2.5dl)
lcs16	Lookup	LCS16	Q16. What kind of spread do you usually use on your bread?
lcs17_1	Numeric	max length 8	Q17. How much cheese do you usually eat per day? 1. slices of cheese with less than 20% fat (reduced-fat cheese)
lcs17_2	Numeric	max length 8	Q17. How much cheese do you usually eat per day? 2. slices of cheese with greater than 20% fat (e.g. Emmenthal, Roquefort, feta)
lcs17_3	Numeric	max length 8	Q17. How much cheese do you usually eat per day? 3. slices of cheese with vegetable fat
lcs18	Lookup	LCS18	Q18. How many servings of sweet patisseries or cookies do you eat?
lcs19	Lookup	LCS19	Q19. How many servings of sugar, honey, sweets or chocolate do you eat?
lcs20_1	Numeric	max length 8	Q20. On average how often do you drink the following beverages a day? 1. cups of regular tea (1 cup = 2 dl or 200 mls)
lcs20_2	Numeric	max length 8	Q20. On average how often do you drink the following beverages a day? 2. cups of decaffeinated tea (1 cup = 2 dl)
lcs20_3	Numeric	max length 8	Q20. On average how often do you drink the following beverages a day? 3. cups of regular coffee (1 cup = 1 dl)
lcs20_4	Numeric	max length 8	Q20. On average how often do you drink the following beverages a day? 4. cups of decaffeinated coffee (1 cup = 1 dl)
lcs20_5	Numeric	max length 8	Q20. On average how often do you drink the following beverages a day? 5. bottles of soft drink with sugar (1 bottle = 1/3 liters)
lcs20_6	Numeric	max length 8	Q20. On average how often do you drink the following beverages a day? 6. bottles of sugar-free soft drink (e.g. Coca Cola Light)

lcs20_7	Numeric	max length 8	Q20. On average how often do you drink the following beverages a day? 7. glasses of fruit juice (1 glass = about 2 dl)
lcs20_8	Numeric	max length 8	Q20. On average how often do you drink the following beverages a day? 8. glasses of sugar-sweetened juice (1 glass = about 2 dl)
lcs21	Lookup	LCS21	Q21. How many units of wine do you usually drink per week?
lcs22	Lookup	LCS22	Q22. How many units of alcohol do you usually drink per week?

4.3.3 SNAC (epadlcs_snac)

SNAC (Swedish National Study on Aging and Care) Questionnaire

FIELD	TYPE	CONSTRAINTS	DESCRIPTION
patient_id	Integer		Patient ID
assyn	Lookup	PERFORMED	Was the assessment performed?
assyn_std	Lookup	PERFORMED_CODE	Was the assessment performed? Coded Value
assdat	Text	max length 8	If Yes, provide date of assessment
assdat_raw	Text	max length 11	If Yes, provide date of assessment (Character)
assdat_int	Text	max length 8	If Yes, provide date of assessment Interpolated
assdat_yyyy	Text	max length 8	If Yes, provide date of assessment Year
assdat_mm	Text	max length 8	If Yes, provide date of assessment Month
assdat_dd	Text	max length 8	If Yes, provide date of assessment Day
hq_2	Lookup	REASON_NOT_PERFORMED	If No, Please provide reason.
hq_2_std	Text	REASON_NOT_PERFORMED_CODE	If No, Please provide reason. Coded Value
lcs23_1	Lookup	EVENT	Event
lcs23_1_std	Lookup	EVENT_CODE	Event Coded Value
lcs23_2	Lookup	EXPERIENCED	Have you experienced the event?
lcs23_2_std	Lookup	EXPERIENCED_CODE	Have you experienced the event? Coded Value
lcs23_3	Text	max length 8	Age
lcs_3_raw	Text	max length 6	Age (Character)

4.4 Dementia Assessments

4.4.1 Dementia Diagnosis (epadlcs_dementia_diag)

Dementia status assessed by PI

FIELD	TYPE	CONSTRAINTS	DESCRIPTION
patient_id	Integer		Patient ID
dementia_diagnosed	Lookup	DIAGNOSED	Dementia diagnosed by the participant's physician?
date_of_diagnosis	Date	YYYY-MM-DD	Date of diagnosis
type_of_dementia	Lookup	TYPE	Type of dementia
lowest_level_term	Text	max length 8	Lowest Level Term
high_level_term	Text	max length 8	High Level Term
high_level_group_term	Text	max length 8	High Level Group Term
preferred_name	Text	max length 8	Preferred Term
body_system_organ_or_class	Text	max length 8	Body System or Organ Class
meddra_version_number	Text	max length 20	MedDRA Version Number

4.4.2 MMSE (epadlcs_mmse)

Mini-Mental State Examination (MMSE)

FIELD	TYPE	CONSTRAINTS	DESCRIPTION
patient_id	Integer		Patient ID
mmse_total	Numeric		Total Score
mmse_Calculation_1	Lookup	SCORE	What is 100 take away 7?
mmse_Calculation_2	Lookup	SCORE	Keep going
mmse_Calculation_3	Lookup	SCORE	Keep going
mmse_Calculation_4	Lookup	SCORE	Keep going
mmse_Calculation_5	Lookup	SCORE	Keep going
mmse_Comprehension_1	Lookup	SCORE	Take in right hand
mmse_Comprehension_2	Lookup	SCORE	Fold in half
mmse_Comprehension_3	Lookup	SCORE	Put on floor
mmse_drawing_1	Lookup	SCORE	Copy this design
mmse_naming_1	Lookup	SCORE	Pencil or Pen
mmse_naming_2	Lookup	SCORE	Watch
mmse_orientation_1	Lookup	SCORE	Year?
mmse_orientation_2	Lookup	SCORE	Season?
mmse_orientation_3	Lookup	SCORE	Month of the Year?
mmse_orientation_4	Lookup	SCORE	Day of the week?
mmse_orientation_5	Lookup	SCORE	Date?
mmse_orientation_6	Lookup	SCORE	State?
mmse_orientation_7	Lookup	SCORE	County?
mmse_orientation_8	Lookup	SCORE	City/town?
mmse_orientation_9	Lookup	SCORE	Building?
mmse_orientation_10	Lookup	SCORE	Floor of building?
mmse_reading_1	Lookup	SCORE	Close your eyes
mmse_recall_1	Lookup	SCORE	Apple
mmse_recall_2	Lookup	SCORE	Penny
mmse_recall_3	Lookup	SCORE	Table
mmse_registration_1	Lookup	SCORE	Trial 1- Apple
mmse_registration_2	Lookup	SCORE	Trial 1- Penny
mmse_registration_3	Lookup	SCORE	Trial 1- Table
mmse_registration_4	Lookup	SCORE	Trial 2- Apple
mmse_registration_5	Lookup	SCORE	Trial 2- Penny
mmse_registration_6	Lookup	SCORE	Trial 2- Table
mmse_registration_7	Lookup	SCORE	Trial 3- Apple
mmse_registration_8	Lookup	SCORE	Trial 3- Penny
mmse_registration_9	Lookup	SCORE	Trial 3- Table
mmse_registration_10	Lookup	SCORE	Trial 4- Apple
mmse_registration_11	Lookup	SCORE	Trial 4- Penny
mmse_registration_12	Lookup	SCORE	Trial 4- Table
mmse_registration_13	Lookup	SCORE	Trial 5- Apple
mmse_registration_14	Lookup	SCORE	Trial 5- Penny
mmse_registration_15	Lookup	SCORE	Trial 5- Table
mmse_repetition_1	Lookup	SCORE	No ifs, ands, or buts
mmse_writing_1	Lookup	SCORE	Write a sentence
assessment_performed	Lookup	PERFORMED	Was the assessment performed?
assessment_date	Date	YYYY-MM-DD	If Yes, provide date of assessment
reason_not_done	Lookup	REASON_NOT_PERFORMED	If No, Please provide reason.

4.4.3 CDR (epadlcs_cdr)

Clinical Dementia Rating (CDR)

FIELD	TYPE	CONSTRAINTS	DESCRIPTION
patient_id	Integer		Patient ID
cdr_global_score	Numeric		Global CDR Score
cdr_sum_of_box	Numeric		CDR Sum of Boxes
cdr_community_affairs	Lookup	COMMUNITY_AFFAIRS	Community Affairs
cdr_home_hobbies	Lookup	HOME_HOBBIES	Home and Hobbies
cdr_judgement	Lookup	JUDGEMENT	Judgement and Problem Solving
cdr_memory	Lookup	MEMORY	Memory
cdr_orientation	Lookup	ORIENTATION	Orientation
cdr_personal_care	Lookup	PERSONAL_CARE	Personal Care
assessment_performed	Lookup	PERFORMED	Was the assessment performed?
assessment_date	Date	YYYY-MM-DD	If Yes, provide date of assessment
reason_not_done	Lookup	REASON_NOT_PERFORMED	If No, Please provide reason.

4.5 EPAD ENE (Neuropsychological Examination)

4.5.1 RBANS (epadlcs_rbans)

RBANS (Repeatable Battery for the Assessment of Neuropsychological Status)

FIELD	TYPE	CONSTRAINTS	DESCRIPTION
patient_id	Integer		Patient ID
rbans_total_scale	Numeric		Total Scale
rbans_sum_of_index	Numeric		Sum Of Index Scores
rbans_attention_index	Numeric		Attention Index Score
rbans_delayed_memory_index	Numeric		Delayed Memory Index Score
rbans_immediate_memory_index	Numeric		Immediate Memory Index Score
rbans_language_index	Numeric		Language Index Score
rbans_visuo_constructional_index	Numeric		Visuospatial / Constructional Index Score
rbans_coding	Numeric		Coding
rbans_digit_span	Numeric		Digit Span
rbans_figure_copy	Numeric		Figure Copy
rbans_figure_recall	Numeric		Figure Recall
rbans_list_learning	Numeric		List Learning
rbans_line_orientation	Numeric		Line Orientation
rbans_list_recall	Numeric		List Recall
rbans_list_recognition	Numeric		List Recognition
rbans_picture_naming	Numeric		Picture Naming
rbans_semantic_fluency	Numeric		Semantic Fluency
rbans_story_memory	Numeric		Story Memory
rbans_story_recall	Numeric		Story Recall
assessment_performed	Lookup	PERFORMED	Was the assessment performed?
assessment_date	Date	YYYY-MM-DD	If Yes, provide date of assessment
reason_not_done	Lookup	REASON_NOT_PERFORMED	If No, Please provide reason.

4.5.2 Dot Counting (epadlcs_dot_counting)

FIELD	TYPE	CONSTRAINTS	DESCRIPTION
Patient ID	Integer		Patient ID
Trial 1 Correct	Integer	max length 8	Trial 1: Number of correct responses
Trial 2 Correct	Integer	max length 8	Trial 2: Number of correct responses
Trial 3 Correct	Integer	max length 8	Trial 3: Number of correct responses
Trial 4 Correct	Integer	max length 8	Trial 4: Number of correct responses
Trial 5 Correct	Integer	max length 8	Trial 5: Number of correct responses
Trial 6 Correct	Integer	max length 8	Trial 6: Number of correct responses
Total Score	Integer	max length 8	Total number of correct responses across all trials
LinkDate	Date	YYYY-MM-DD	Date the encounter was created
GoodForResearch	Lookup	VALID	Identifier for whether the data are valid
QualityIssues	Text	max length 5	Identifier for any data quality issues that are present
AdminComments	Text	max length 200	Comments about the encounter or data quality as entered by the examiner
Assessment Performed	Lookup	PERFORMED	Was the assessment performed?
Assessment Date	Date	YYYY-MM-DD	If Yes, provide date of assessment
Reason Not Performed	Lookup	REASON_NOT_PERFORMED	If No, Please provide reason.

4.5.3 Flanker (epadlcs_flanker)

FIELD	TYPE	CONSTRAINTS	DESCRIPTION
patient_id	Integer		Patient ID
total_trials	Integer	max length 8	Total number of trials
flanker_score	Numeric	max length 8	All trials: Global score that combines accuracy and reaction time scores
flanker_error_diff	Integer	max length 8	All trials: Global score error differential between congruent and incongruent trials
total_corr	Integer	max length 8	All Trials: Total number of correct trials
total_mean	Numeric	max length 8	All Trials: Mean reaction time of correct trials
total_median	Numeric	max length 8	All Trials: Median reaction time of correct trials
total_stdev	Numeric	max length 8	All trials: Standard deviation of reaction time of all trials
congr_corr	Integer	max length 8	Congruent Trials: Total number of correct trials
congr_mean	Numeric	max length 8	Congruent Trials: Mean reaction time of correct trials
congr_median	Numeric	max length 8	Congruent Trials: Median reaction time of correct trials
congr_stdev	Numeric	max length 8	Congruent Trials: Standard deviation of reaction time of correct trials
incongr_corr	Integer	max length 8	Incongruent Trials: Total number of correct trials
incongr_mean	Numeric	max length 8	Incongruent Trials: Mean reaction time of correct trials
incongr_median	Numeric	max length 8	Incongruent Trials: Median reaction time of correct trials
incongr_stdev	Numeric	max length 8	Incongruent Trials: Standard deviation of reaction time of correct trials
left_corr	Integer	max length 8	Left Trials: Total number of correct trials
left_mean	Numeric	max length 8	Left Trials: Mean response time of correct trials

left_median	Numeric	max length 8	Left Trials: Median response time of correct trials
left_stdev	Numeric	max length 8	Left Trials: Standard deviation of response times of correct trials
right_corr	Integer	max length 8	Right Trials: Total number of correct trials
right_mean	Numeric	max length 8	Right Trials: Mean response time of correct trials
right_median	Numeric	max length 8	Right Trials: Median response time of correct trials
right_stdev	Numeric	max length 8	Right Trials: Standard deviation of response times of correct trials
up_corr	Integer	max length 8	Up Trials: Total number of correct trials
up_mean	Numeric	max length 8	Up Trials: Mean response time of correct trials
up_median	Numeric	max length 8	Up Trials: Median response time of correct trials
up_stdev	Numeric	max length 8	Up Trials: Standard deviation of response times of correct trials
down_corr	Integer	max length 8	Down Trials: Total number of correct trials
down_mean	Numeric	max length 8	Down Trials: Mean response time of correct trials
down_median	Numeric	max length 8	Down Trials: Median response time of correct trials
down_stdev	Numeric	max length 8	Down Trials: Standard deviation of response times of correct trials
link_date	Date	YYYY-MM-DD	Date the encounter was created
good_for_research	Lookup	VALID	Identifier for whether the data are valid
quality_issues	Text	max length 5	Identifier for any data quality issues that are present
admin_comments	Text	max length 200	Comments about the encounter or data quality as entered by the examiner
assessment_performed	Lookup	PERFORMED	Was the assessment performed?
assessment_date	Date	YYYY-MM-DD	If Yes, provide date of assessment
reason_not_performed	Lookup	REASON_NOT_PERFORMED	If No, Please provide reason.

4.5.4 Favourites (epadlcs_favourites)

FIELD	TYPE	CONSTRAINTS	DESCRIPTION
Patient ID	Integer		Patient ID
recallOnefood1	Text	max length 14	Recall 1 Food 1: Subject's Response
recallOnefood1Score	Lookup	SCORE	Recall 1 Food 1: Subject's Score
recallOneanimal1	Text	max length 14	Recall 1 Animal 1: Subject's Response
recallOneanimal1Score	Lookup	SCORE	Recall 1 Animal 1: Subject's Score
recallOnefood2	Text	max length 14	Recall 1 Food 2: Subject's Response
recallOnefood2Score	Lookup	SCORE	Recall 1 Food 2: Subject's Score
recallOneanimal2	Text	max length 14	Recall 1 Animal 2: Subject's Response
recallOneanimal2Score	Lookup	SCORE	Recall 1 Animal 2: Subject's Score
recallOnefood3	Text	max length 14	Recall 1 Food 3: Subject's Response
recallOnefood3Score	Lookup	SCORE	Recall 1 Food 3: Subject's Score
recallOneanimal3	Text	max length 14	Recall 1 Animal 3: Subject's Response
recallOneanimal3Score	Lookup	SCORE	Recall 1 Animal 3: Subject's Score
recallOnefood4	Text	max length 14	Recall 1 Food 4: Subject's Response
recallOnefood4Score	Lookup	SCORE	Recall 1 Food 4: Subject's Score

recallOneanimal4	Text	max length 14	Recall 1 Animal 4: Subject's Response
recallOneanimal4Score	Lookup	SCORE	Recall 1 Animal 4: Subject's Score
recallOneCorrect	Integer	max length 8	Number of correct responses across the first learning trial
recallOneSME	Integer	max length 8	Number of source memory errors across the first learning trial, i.e., answering a food/animal that was presented but matching it with an incorrect face
recallTwofood1	Text	max length 14	Recall Two Food 1: Subject's Response
recallTwofood1Score	Lookup	SCORE	Recall Two Food 1: Subject's Score
recallTwoanimal1	Text	max length 14	Recall Two Animal 1: Subject's Response
recallTwoanimal1Score	Lookup	SCORE	Recall Two Animal 1: Subject's Score
recallTwofood2	Text	max length 14	Recall Two Food 2: Subject's Response
recallTwofood2Score	Lookup	SCORE	Recall Two Food 2: Subject's Score
recallTwoanimal2	Text	max length 14	Recall Two Animal 2: Subject's Response
recallTwoanimal2Score	Lookup	SCORE	Recall Two Animal 2: Subject's Score
recallTwofood3	Text	max length 14	Recall Two Food 3: Subject's Response
recallTwofood3Score	Lookup	SCORE	Recall Two Food 3: Subject's Score
recallTwoanimal3	Text	max length 14	Recall Two Animal 3: Subject's Response
recallTwoanimal3Score	Lookup	SCORE	Recall Two Animal 3: Subject's Score
recallTwofood4	Text	max length 14	Recall Two Food 4: Subject's Response
recallTwofood4Score	Lookup	SCORE	Recall Two Food 4: Subject's Score
recallTwoanimal4	Text	max length 14	Recall Two Animal 4: Subject's Response
recallTwoanimal4Score	Lookup	SCORE	Recall Two Animal 4: Subject's Score
recallTwoCorrect	Integer	max length 8	Number of correct responses across the second learning trial
recallTwoSME	Integer	max length 8	Number of source memory errors across the second learning trial, i.e., answering a food/animal that was presented but matching it with an incorrect face
delayedRecallfood1	Text	max length 14	Delayed Recall Food 1: Subject's Response
delayedRecallfood1Score	Lookup	SCORE	Delayed Recall Food 1: Subject's Score
delayedRecallanimal1	Text	max length 14	Delayed Recall Animal 1: Subject's Response
delayedRecallanimal1Score	Lookup	SCORE	Delayed Recall Animal 1: Subject's Score
delayedRecallfood2	Text	max length 14	Delayed Recall Food 2: Subject's Response
delayedRecallfood2Score	Lookup	SCORE	Delayed Recall Food 2: Subject's Score
delayedRecallanimal2	Text	max length 14	Delayed Recall Animal 2: Subject's Response
delayedRecallanimal2Score	Lookup	SCORE	Delayed Recall Animal 2: Subject's Score
delayedRecallfood3	Text	max length 14	Delayed Recall Food 3: Subject's Response
delayedRecallfood3Score	Lookup	SCORE	Delayed Recall Food 3: Subject's Score
delayedRecallanimal3	Text	max length 14	Delayed Recall Animal 3: Subject's Response
delayedRecallanimal3Score	Lookup	SCORE	Delayed Recall Animal 3: Subject's Score
delayedRecallfood4	Text	max length 14	Delayed Recall Food 4: Subject's Response
delayedRecallfood4Score	Lookup	SCORE	Delayed Recall Food 4: Subject's Score
delayedRecallanimal4	Text	max length 14	Delayed Recall Animal 4: Subject's Response
delayedRecallanimal4Score	Lookup	SCORE	Delayed Recall Animal 4: Subject's Score
delayedRecallCorrect	Integer	max length 8	Number of correct responses across the delayed recall trial
delayedRecallSME	Integer	max length 8	Number of source memory errors across the second learning trial, i.e., answering a food/animal that was presented but matching it with an incorrect face

totalCorrect	Integer	max length 8	Total number of correct responses summed across the two learning trials in Favorites Learning and the recall trial in Favorites Delay
totalSME	Integer	max length 8	Total number of source memory errors summed across the two learning trials in Favorites Learning and the recall trial in Favorites Delay
RecTrial1	Lookup	CORRECT	Trial 1: Subject's response of whether the food or animal presented is paired with the correct face.
RecTrial2	Lookup	CORRECT	Trial 2: Subject's response of whether the food or animal presented is paired with the correct face.
RecTrial3	Lookup	CORRECT	Trial 3: Subject's response of whether the food or animal presented is paired with the correct face.
RecTrial4	Lookup	CORRECT	Trial 4: Subject's response of whether the food or animal presented is paired with the correct face.
RecTrial5	Lookup	CORRECT	Trial 5: Subject's response of whether the food or animal presented is paired with the correct face.
RecTrial6	Lookup	CORRECT	Trial 6: Subject's response of whether the food or animal presented is paired with the correct face.
RecTrial7	Lookup	CORRECT	Trial 7: Subject's response of whether the food or animal presented is paired with the correct face.
RecTrial8	Lookup	CORRECT	Trial 8: Subject's response of whether the food or animal presented is paired with the correct face.
RecTrial9	Lookup	CORRECT	Trial 9: Subject's response of whether the food or animal presented is paired with the correct face.
RecTrial10	Lookup	CORRECT	Trial 10: Subject's response of whether the food or animal presented is paired with the correct face.
RecTrial11	Lookup	CORRECT	Trial 11: Subject's response of whether the food or animal presented is paired with the correct face.
RecTrial12	Lookup	CORRECT	Trial 12: Subject's response of whether the food or animal presented is paired with the correct face.
RecTrial13	Lookup	CORRECT	Trial 13: Subject's response of whether the food or animal presented is paired with the correct face.
RecTrial14	Lookup	CORRECT	Trial 14: Subject's response of whether the food or animal presented is paired with the correct face.
RecTrial15	Lookup	CORRECT	Trial 15: Subject's response of whether the food or animal presented is paired with the correct face.
RecTrial16	Lookup	CORRECT	Trial 16: Subject's response of whether the food or animal presented is paired with the correct face.

RecTrial17	Lookup	CORRECT	Trial 17: Subject's response of whether the food or animal presented is paired with the correct face.
RecTrial18	Lookup	CORRECT	Trial 18: Subject's response of whether the food or animal presented is paired with the correct face.
RecTrial19	Lookup	CORRECT	Trial 19: Subject's response of whether the food or animal presented is paired with the correct face.
RecTrial20	Lookup	CORRECT	Trial 20: Subject's response of whether the food or animal presented is paired with the correct face.
RecTrial21	Lookup	CORRECT	Trial 21: Subject's response of whether the food or animal presented is paired with the correct face.
RecTrial22	Lookup	CORRECT	Trial 22: Subject's response of whether the food or animal presented is paired with the correct face.
RecTrial23	Lookup	CORRECT	Trial 23: Subject's response of whether the food or animal presented is paired with the correct face.
RecTrial24	Lookup	CORRECT	Trial 24: Subject's response of whether the food or animal presented is paired with the correct face.
RecTotalCorrect	Integer	max length 8	Total number of correct responses summed across all Recognition trials
RecSME	Integer	max length 8	Total number of source memory errors summed across all Recognition trials
RecIntrusions	Integer	max length 8	Total number of intrusions summed across all Recognition trials
LinkDate	Date	YYYY-MM-DD	Date the encounter was created
GoodForResearch	Lookup	VALID	Identifier for whether the data are valid
QualityIssues	Text	max length 5	Identifier for any data quality issues that are present
AdminComments	Text	max length 200	Comments about the encounter or data quality as entered by the examiner
Assessment Performed	Lookup	PERFORMED	Was the assessment performed?
Assessment Date	Date	YYYY-MM-DD	If Yes, provide date of assessment
Reason Not Performed	Lookup	REASON_NOT_PERFORMED	If No, Please provide reason.

4.5.5 4MT – Examiner (epadlcs_four_mountains_medavante)

Four Mountains Test (4MT) - Examiner recorded

FIELD	TYPE	CONSTRAINTS	DESCRIPTION
patient_id	Integer		Patient ID
fms_med_item1_answer	Lookup	ANSWER	Four Mountains Test Medavante Item 1 Answer
fms_med_item2_answer	Lookup	ANSWER	Four Mountains Test Medavante Item 2 Answer
fms_med_item3_answer	Lookup	ANSWER	Four Mountains Test Medavante Item 3 Answer
fms_med_item4_answer	Lookup	ANSWER	Four Mountains Test Medavante Item 4 Answer

fms_med_item5_answer	Lookup	ANSWER	Four Mountains Test Medavante Item 5 Answer
fms_med_item6_answer	Lookup	ANSWER	Four Mountains Test Medavante Item 6 Answer
fms_med_item7_answer	Lookup	ANSWER	Four Mountains Test Medavante Item 7 Answer
fms_med_item8_answer	Lookup	ANSWER	Four Mountains Test Medavante Item 8 Answer
fms_med_item9_answer	Lookup	ANSWER	Four Mountains Test Medavante Item 9 Answer
fms_med_item10_answer	Lookup	ANSWER	Four Mountains Test Medavante Item 10 Answer
fms_med_item11_answer	Lookup	ANSWER	Four Mountains Test Medavante Item 11 Answer
fms_med_item12_answer	Lookup	ANSWER	Four Mountains Test Medavante Item 12 Answer
fms_med_item13_answer	Lookup	ANSWER	Four Mountains Test Medavante Item 13 Answer
fms_med_item14_answer	Lookup	ANSWER	Four Mountains Test Medavante Item 14 Answer
fms_med_item15_answer	Lookup	ANSWER	Four Mountains Test Medavante Item 15 Answer
fms_med_item1_mark	Lookup	MARK	Four Mountains Test Medavante Item 1 Mark
fms_med_item2_mark	Lookup	MARK	Four Mountains Test Medavante Item 2 Mark
fms_med_item3_mark	Lookup	MARK	Four Mountains Test Medavante Item 3 Mark
fms_med_item4_mark	Lookup	MARK	Four Mountains Test Medavante Item 4 Mark
fms_med_item5_mark	Lookup	MARK	Four Mountains Test Medavante Item 5 Mark
fms_med_item6_mark	Lookup	MARK	Four Mountains Test Medavante Item 6 Mark
fms_med_item7_mark	Lookup	MARK	Four Mountains Test Medavante Item 7 Mark
fms_med_item8_mark	Lookup	MARK	Four Mountains Test Medavante Item 8 Mark
fms_med_item9_mark	Lookup	MARK	Four Mountains Test Medavante Item 9 Mark
fms_med_item10_mark	Lookup	MARK	Four Mountains Test Medavante Item 10 Mark
fms_med_item11_mark	Lookup	MARK	Four Mountains Test Medavante Item 11 Mark
fms_med_item12_mark	Lookup	MARK	Four Mountains Test Medavante Item 12 Mark
fms_med_item13_mark	Lookup	MARK	Four Mountains Test Medavante Item 13 Mark
fms_med_item14_mark	Lookup	MARK	Four Mountains Test Medavante Item 14 Mark
fms_med_item15_mark	Lookup	MARK	Four Mountains Test Medavante Item 15 Mark
assessment_performed	Lookup	PERFORMED	Was the assessment performed?
assessment_date	Date	YYYY-MM-DD	If Yes, provide date of assessment
reason_not_performed	Lookup	REASON_NOT_PERFORMED	If No, Please provide reason.

4.5.6 4MT – Tablet (epadlcs_four_mountains_uedin)

Four Mountains Test (4MT) - Tablet recorded

FIELD	TYPE	CONSTRAINTS	DESCRIPTION
patient_id	Integer		Patient ID
fms_uedin_answer1	Lookup	ANSWER	Selected Answer - Trial 1
fms_uedin_answer2	Lookup	ANSWER	Selected Answer - Trial 2
fms_uedin_answer3	Lookup	ANSWER	Selected Answer - Trial 3
fms_uedin_answer4	Lookup	ANSWER	Selected Answer - Trial 4
fms_uedin_answer5	Lookup	ANSWER	Selected Answer - Trial 5
fms_uedin_answer6	Lookup	ANSWER	Selected Answer - Trial 6
fms_uedin_answer7	Lookup	ANSWER	Selected Answer - Trial 7
fms_uedin_answer8	Lookup	ANSWER	Selected Answer - Trial 8
fms_uedin_answer9	Lookup	ANSWER	Selected Answer - Trial 9
fms_uedin_answer10	Lookup	ANSWER	Selected Answer - Trial 10
fms_uedin_answer11	Lookup	ANSWER	Selected Answer - Trial 11
fms_uedin_answer12	Lookup	ANSWER	Selected Answer - Trial 12
fms_uedin_answer13	Lookup	ANSWER	Selected Answer - Trial 13
fms_uedin_answer14	Lookup	ANSWER	Selected Answer - Trial 14
fms_uedin_answer15	Lookup	ANSWER	Selected Answer - Trial 15
fms_uedin_mark1	Lookup	MARK	Answer - Trial 1
fms_uedin_mark2	Lookup	MARK	Answer - Trial 2
fms_uedin_mark3	Lookup	MARK	Answer - Trial 3
fms_uedin_mark4	Lookup	MARK	Answer - Trial 4
fms_uedin_mark5	Lookup	MARK	Answer - Trial 5
fms_uedin_mark6	Lookup	MARK	Answer - Trial 6
fms_uedin_mark7	Lookup	MARK	Answer - Trial 7
fms_uedin_mark8	Lookup	MARK	Answer - Trial 8
fms_uedin_mark9	Lookup	MARK	Answer - Trial 9
fms_uedin_mark10	Lookup	MARK	Answer - Trial 10
fms_uedin_mark11	Lookup	MARK	Answer - Trial 11
fms_uedin_mark12	Lookup	MARK	Answer - Trial 12
fms_uedin_mark13	Lookup	MARK	Answer - Trial 13
fms_uedin_mark14	Lookup	MARK	Answer - Trial 14
fms_uedin_mark15	Lookup	MARK	Answer - Trial 15
fms_uedin_reactiontime1	Numeric	max length 8	Time Taken to provide an Answer - Trial 1
fms_uedin_reactiontime2	Numeric	max length 8	Time Taken to provide an Answer - Trial 2
fms_uedin_reactiontime3	Numeric	max length 8	Time Taken to provide an Answer - Trial 3
fms_uedin_reactiontime4	Numeric	max length 8	Time Taken to provide an Answer - Trial 4
fms_uedin_reactiontime5	Numeric	max length 8	Time Taken to provide an Answer - Trial 5
fms_uedin_reactiontime6	Numeric	max length 8	Time Taken to provide an Answer - Trial 6
fms_uedin_reactiontime7	Numeric	max length 8	Time Taken to provide an Answer - Trial 7
fms_uedin_reactiontime8	Numeric	max length 8	Time Taken to provide an Answer - Trial 8
fms_uedin_reactiontime9	Numeric	max length 8	Time Taken to provide an Answer - Trial 9
fms_uedin_reactiontime10	Numeric	max length 8	Time Taken to provide an Answer - Trial 10
fms_uedin_reactiontime11	Numeric	max length 8	Time Taken to provide an Answer - Trial 11
fms_uedin_reactiontime12	Numeric	max length 8	Time Taken to provide an Answer - Trial 12
fms_uedin_reactiontime13	Numeric	max length 8	Time Taken to provide an Answer - Trial 13
fms_uedin_reactiontime14	Numeric	max length 8	Time Taken to provide an Answer - Trial 14
fms_uedin_reactiontime15	Numeric	max length 8	Time Taken to provide an Answer - Trial 15
assessment_performed	Lookup	PERFORMED	Was the assessment performed?

assessment_date	Date	YYYY-MM-DD	If Yes, provide date of assessment
reason_not_performed	Lookup	REASON_NOT_PERFORMED	If No, Please provide reason.

4.5.4 SMT (epadlcs_vr_supermarket_trolley)

Virtual Reality Supermarket Trolley (SMT)

FIELD	TYPE	CONSTRAINTS	DESCRIPTION
patient_id	Integer		Patient ID
st_trial_1_answer	Lookup	ANSWER	Trial 1 Answer
st_trial_2_answer	Lookup	ANSWER	Trial 2 Answer
st_trial_3_answer	Lookup	ANSWER	Trial 3 Answer
st_trial_4_answer	Lookup	ANSWER	Trial 4 Answer
st_trial_5_answer	Lookup	ANSWER	Trial 5 Answer
st_trial_6_answer	Lookup	ANSWER	Trial 6 Answer
st_trial_7_answer	Lookup	ANSWER	Trial 7 Answer
st_trial_8_answer	Lookup	ANSWER	Trial 8 Answer
st_trial_9_answer	Lookup	ANSWER	Trial 9 Answer
st_trial_10_answer	Lookup	ANSWER	Trial 10 Answer
st_trial_11_answer	Lookup	ANSWER	Trial 11 Answer
st_trial_12_answer	Lookup	ANSWER	Trial 12 Answer
st_trial_13_answer	Lookup	ANSWER	Trial 13 Answer
st_trial_14_answer	Lookup	ANSWER	Trial 14 Answer
st_trial_1_mark	Lookup	MARK	Trial 1 Mark
st_trial_2_mark	Lookup	MARK	Trial 2 Mark
st_trial_3_mark	Lookup	MARK	Trial 3 Mark
st_trial_4_mark	Lookup	MARK	Trial 4 Mark
st_trial_5_mark	Lookup	MARK	Trial 5 Mark
st_trial_6_mark	Lookup	MARK	Trial 6 Mark
st_trial_7_mark	Lookup	MARK	Trial 7 Mark
st_trial_8_mark	Lookup	MARK	Trial 8 Mark
st_trial_9_mark	Lookup	MARK	Trial 9 Mark
st_trial_10_mark	Lookup	MARK	Trial 10 Mark
st_trial_11_mark	Lookup	MARK	Trial 11 Mark
st_trial_12_mark	Lookup	MARK	Trial 12 Mark
st_trial_13_mark	Lookup	MARK	Trial 13 Mark
st_trial_14_mark	Lookup	MARK	Trial 14 Mark
assessment_date	Date	YYYY-MM-DD	If Yes, provide date of assessment
assessment_performed	Lookup	PERFORMED	Was the assessment performed?
reason_not_done	Lookup	REASON_NOT_PERFORMED	If No, Please provide reason.

4.6 Clinical Outcomes

4.6.1 GDS (epadlcs_gds)

Geriatric Depression Scale (GDS)

FIELD	TYPE	CONSTRAINTS	DESCRIPTION
patient_id	Integer		Patient ID
gds_total	Numeric		GDS Total Score
gds_1	Lookup	ANSWER	Are you basically satisfied with your life?

gds_2	Lookup	ANSWER	Have you dropped many of your activities and interests?
gds_3	Lookup	ANSWER	Do you feel that your life is empty?
gds_4	Lookup	ANSWER	Do you often get bored?
gds_5	Lookup	ANSWER	Are you hopeful about the future?
gds_6	Lookup	ANSWER	Are you bothered by thoughts you can't get out of your head?
gds_7	Lookup	ANSWER	Are you in good spirits most of the time?
gds_8	Lookup	ANSWER	Are you afraid that something bad is going to happen to you?
gds_9	Lookup	ANSWER	Do you feel happy most of the time?
gds_10	Lookup	ANSWER	Do you often feel helpless?
gds_11	Lookup	ANSWER	Do you often get restless and fidgety?
gds_12	Lookup	ANSWER	Do you prefer to stay at home, rather than going out and doing new things?
gds_13	Lookup	ANSWER	Do you frequently worry about the future?
gds_14	Lookup	ANSWER	Do you feel you have more problems with memory than most?
gds_15	Lookup	ANSWER	Do you think it is wonderful to be alive now?
gds_16	Lookup	ANSWER	Do you often feel downhearted and blue?
gds_17	Lookup	ANSWER	Do you feel pretty worthless the way you are now?
gds_18	Lookup	ANSWER	Do you worry a lot about the past?
gds_19	Lookup	ANSWER	Do you find life very exciting?
gds_20	Lookup	ANSWER	Is it hard for you to get started on new projects?
gds_21	Lookup	ANSWER	Do you feel full of energy?
gds_22	Lookup	ANSWER	Do you feel that your situation is hopeless?
gds_23	Lookup	ANSWER	Do you think that most people are better off than you are?
gds_24	Lookup	ANSWER	Do you frequently get upset over little things?
gds_25	Lookup	ANSWER	Do you frequently feel like crying?
gds_26	Lookup	ANSWER	Do you have trouble concentrating?
gds_27	Lookup	ANSWER	Do you enjoy getting up in the morning?
gds_28	Lookup	ANSWER	Do you prefer to avoid social gatherings?
gds_29	Lookup	ANSWER	Is it easy for you to make decisions?
gds_30	Lookup	ANSWER	Is your mind as clear as it used to be?
assessment_date	Date	YYYY-MM-DD	If Yes, provide date of assessment
assessment_performed	Lookup	PERFORMED	Was the assessment performed?
reason_not_done	Lookup	REASON_NOT_PERFORMED	If No, Please provide reason.

4.6.2 STAI (epadlcs_stai_40)

State-Trait Anxiety Inventory (STAI)

FIELD	TYPE	CONSTRAINTS	DESCRIPTION
patient_id	Integer		Patient ID
stai_40_total_score	Integer		STAI Total Score
stai_40_form1_total_score	Integer		Form1 Total Score
stai_40_form2_total_score	Integer		Form2 Total Score
stai_40_form1_q1	Lookup	SCALE2	I feel calm
stai_40_form1_q2	Lookup	SCALE2	I feel secure
stai_40_form1_q3	Lookup	SCALE1	I am tense

stai_40_form1_q4	Lookup	SCALE1	I feel strained
stai_40_form1_q5	Lookup	SCALE2	I feel at ease
stai_40_form1_q6	Lookup	SCALE1	I feel upset
stai_40_form1_q7	Lookup	SCALE1	I am presently worrying over possible misfortunes
stai_40_form1_q8	Lookup	SCALE2	I feel satisfied
stai_40_form1_q9	Lookup	SCALE1	I feel frightened
stai_40_form1_q10	Lookup	SCALE2	I feel comfortable
stai_40_form1_q11	Lookup	SCALE2	I feel self-confident
stai_40_form1_q12	Lookup	SCALE1	I feel nervous
stai_40_form1_q13	Lookup	SCALE1	I am jittery
stai_40_form1_q14	Lookup	SCALE1	I feel indecisive
stai_40_form1_q15	Lookup	SCALE2	I am relaxed
stai_40_form1_q16	Lookup	SCALE2	I feel content
stai_40_form1_q17	Lookup	SCALE1	I am worried
stai_40_form1_q18	Lookup	SCALE1	I feel confused
stai_40_form1_q19	Lookup	SCALE2	I feel steady
stai_40_form1_q20	Lookup	SCALE2	I feel pleasant
stai_40_form2_q21	Lookup	SCALE2	I feel pleasant
stai_40_form2_q22	Lookup	SCALE1	I feel nervous and restless
stai_40_form2_q23	Lookup	SCALE2	I feel satisfied with myself
stai_40_form2_q24	Lookup	SCALE1	I wish I could be as happy as others seem to be
stai_40_form2_q25	Lookup	SCALE1	I feel like a failure
stai_40_form2_q26	Lookup	SCALE2	I feel rested
stai_40_form2_q27	Lookup	SCALE2	I am "calm, cool, and collected"
stai_40_form2_q28	Lookup	SCALE1	I feel that difficulties are piling up so that I cannot overcome them
stai_40_form2_q29	Lookup	SCALE1	I worry too much over something that really doesn't matter
stai_40_form2_q30	Lookup	SCALE2	I am happy
stai_40_form2_q31	Lookup	SCALE1	I have disturbing thoughts
stai_40_form2_q32	Lookup	SCALE1	I lack self-confidence
stai_40_form2_q33	Lookup	SCALE2	I feel secure
stai_40_form2_q34	Lookup	SCALE2	I make decisions easily
stai_40_form2_q35	Lookup	SCALE1	I feel inadequate
stai_40_form2_q36	Lookup	SCALE2	I am content
stai_40_form2_q37	Lookup	SCALE1	Some unimportant thought runs through my mind and bothers me
stai_40_form2_q38	Lookup	SCALE1	I take disappointments so keenly that I can't put them out of my mind
stai_40_form2_q39	Lookup	SCALE2	I am a steady person
stai_40_form2_q40	Lookup	SCALE1	I get in a state of tension or turmoil as I think over my recent concerns and interests
assessment_date	Date	YYYY-MM-DD	If Yes, provide date of assessment
assessment_performed	Lookup	PERFORMED	Was the assessment performed?
reason_not_done	Lookup	REASON_NOT_PERFORMED	If No, Please provide reason.

4.6.3 PSQI (epadlcs_psqi)

Pittsburgh Sleep Quality Index (PSQI)

FIELD	TYPE	CONSTRAINTS	DESCRIPTION
Patient ID	Integer		Patient ID
PSQITotal	Integer		PSQI Total
PSQI Component 1 Score	Integer		Component 1 Total
PSQI Component 2 Score	Integer		Component 2 Total
PSQI Component 3 Score	Integer		Component 3 Total
PSQI Component 4 Score	Integer		Component 4 Total
PSQI Component 5 Score	Integer		Component 5 Total
PSQI Component 6 Score	Integer		Component 6 Total
PSQI Component 7 Score	Integer		Component 7 Total
PSQI Item 1	Text	HH:mm	1. During the past month, what time have you usually gone to bed at night?
PSQI Item 2	Lookup	ITEM2	2. During the past month, how long (in minutes) has it usually taken you to fall asleep each night?
PSQI Item 3	Text	HH:mm	3. During the past month, what time have you usually gotten up in the morning?
PSQI Item 4	Lookup	ITEM4	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 Item 5a	Lookup	ITEM5	5a. Cannot get to sleep within 30 minutes
PSQI Item 5b	Lookup	ITEM5	5b. Wake up in the middle of the night or early morning
PSQI Item 5c	Lookup	ITEM5	5c. Have to get up to use bathroom
PSQI Item 5d	Lookup	ITEM5	5d. Cannot breathe comfortably
PSQI Item 5e	Lookup	ITEM5	5e. Cough or snore loudly
PSQI Item 5f	Lookup	ITEM5	5f. Feel too cold
PSQI Item 5g	Lookup	ITEM5	5g. Feel too hot
PSQI Item 5h	Lookup	ITEM5	5h. Had bad dreams
PSQI Item 5i	Lookup	ITEM5	5i. Have pain
PSQI Item 5j	Lookup	ITEM5	5j. How often during the past month have you had trouble sleeping because of this?
PSQI Item 5yesno	Lookup	ITEM5_YN	Other reason(s)?
PSQI Item 6	Lookup	ITEM6	6. During the past month, how would you rate your sleep quality overall?
PSQI Item 7	Lookup	ITEM7	7. During the past month, how often have your taken medicine to help you sleep (prescribed or over the counter)?
PSQI Item 8	Lookup	ITEM8	8. During the past month, how much of a trouble staying awake while driving, eating meals, or engaging in social activity?
PSQI Item 9	Lookup	ITEM9	9. 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	YYYY-MM-DD	If Yes, provide date of assessment
Assessment Performed	Lookup	PERFORMED	Was the assessment performed?
Reason Not Done	Lookup	REASON_NOT_PERFORMED	If No, Please provide reason.

4.6.4 AIADL Questionnaire (epadlcs_aiadl)

Amsterdam Instrumental Activities of Daily Living (AIADL) Questionnaire

FIELD	TYPE	CONSTRAINTS	DESCRIPTION
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patient_id	Integer		Patient ID
total_score	Numeric		Total Score
sum_of_scores	Integer		Sum of Scores
items_scored	Integer		Total Number of Items Scored
dont_know_count	Integer		Total Number of Items Not Known
q1	Lookup	YNDK	Did he/she carry out household duties?
q1a	Lookup	DIFFICULTY	Did he/she find it more difficult to perform household duties than he/she had in the past?
q1b	Lookup	REASON	He/she did not carry out any household duties for the following reason;
q2	Lookup	YNDK	Did he/she do the shopping?
q2a	Lookup	DIFFICULTY	Did he/she find it more difficult to do the shopping than he/she had in the past?
q2b	Lookup	REASON	He/she did not do the shopping for the following reason;
q3	Lookup	YNDK	Did he/she buy the correct amounts when doing the shopping?
q3a	Lookup	DIFFICULTY	Did he/she find it more difficult to buy the correct amounts than he/she had in the past?
q3b	Lookup	REASON	He/she did not buy the correct amount for the following reason;
q4	Lookup	YNDK	Did he/she buy the correct items when doing the shopping?
q4a	Lookup	DIFFICULTY	Did he/she find it more difficult to buy the correct items than he/she had in the past?
q4b	Lookup	REASON	He/she did not buy the correct items for the following reason;
q5	Lookup	YNDK	Did he/she pay?
q5a	Lookup	DIFFICULTY	Did he/she find it more difficult to pay for things than he/she had in the past?
q5b	Lookup	REASON	He/she did not pay for the following reason;
q6	Lookup	YNDK	Did he/she do the cooking?
q6a	Lookup	DIFFICULTY	Did he/she find it more difficult to do the cooking than he/she had in the past?
q6b	Lookup	REASON	He/she did not do the cooking for the following reason;
q7	Lookup	YNDK	Did he/she measure out the ingredients needed to cook the meal?
q7a	Lookup	DIFFICULTY	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	He/she did not measure out the correct amount of ingredients needed to cook the meal for the following reason;
q8	Lookup	YNDK	Did he/she prepare hot meals?
q8a	Lookup	DIFFICULTY	Did he/she find it more difficult to prepare a hot meal than he/she had in the past?
q8b	Lookup	REASON	He/she has not prepared any hot meals for the following reason;
q9	Lookup	YNDK	Did he/she prepare sandwiches?
q9a	Lookup	DIFFICULTY	Did he/she find it more difficult to prepare sandwiches than he/she had in the past?
q9b	Lookup	REASON	He/she has not prepared any sandwiches for the following reason;

q10	Lookup	YNDK	Did he/she make any minor repairs to the house?
q10a	Lookup	DIFFICULTY	Did he/she find it more difficult to perform minor repairs to the house than he/she had in the past?
q10b	Lookup	REASON	He/she has not performed any minor repairs to the house for the following reason;
q11	Lookup	YNDK	Did he/she use household appliances?
q11a	Lookup	DIFFICULTY	Did he/she find it more difficult to use household appliances than he/she had in the past?
q11b	Lookup	REASON	He/she did not use any household appliances for the following reason;
q12	Lookup	YNDK	Did he/she use the microwave oven?
q12a	Lookup	DIFFICULTY	Did he/she find it more difficult to use the microwave oven than he/she had in the past?
q12b	Lookup	REASON	He/she did not use the microwave oven for the following reason;
q13	Lookup	YNDK	Did he/she use the various functions of the microwave oven?
q13a	Lookup	DIFFICULTY	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	He/she did not use the various functions of the microwave oven for the following reason;
q14	Lookup	YNDK	Did he/she use the oven?
q14a	Lookup	DIFFICULTY	Did he/she find it more difficult to use the oven than he/she had in the past?
q14b	Lookup	REASON	He/she did not use the oven for the following reason;
q15	Lookup	YNDK	Did he/she use the dishwasher?
q15a	Lookup	DIFFICULTY	Did he/she find it more difficult to use the dishwasher than he/she had in the past?
q15b	Lookup	REASON	He/she did not use the dishwasher for the following reason;
q16	Lookup	YNDK	Did he/she use the coffee maker?
q16a	Lookup	DIFFICULTY	Did he/she find it more difficult to use the coffee maker than he/she had in the past?
q16b	Lookup	REASON	He/she did not use the coffee maker for the following reason;
q17	Lookup	YNDK	Did he/she use the washing machine?
q17a	Lookup	DIFFICULTY	Did he/she find it more difficult to use the washing machine than he/she had in the past?
q17b	Lookup	REASON	He/she did not use the washing machine for the following reason;
q18	Lookup	YNDK	Did he/she attempt to understand his/her paperwork?
q18a	Lookup	DIFFICULTY	Did he/she find it more difficult to understand his/her paperwork than he/she had in the past?
q18b	Lookup	REASON	He/she did not understand his/her paperwork for the following reason;
q19	Lookup	YNDK	Did he/she pay any bills?
q19a	Lookup	DIFFICULTY	Did he/she find it more difficult to pay any bills than he/she had in the past?
q19b	Lookup	REASON	He/she did not pay any bills for the following reason;

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

q29b	Lookup	REASON	He/she has not obtained money a cash machine (ATM) for the following reason;
q30	Lookup	YNDK	Did he/she pay for something using cash?
q30a	Lookup	DIFFICULTY	Did he/she find it more difficult to use cash than he/she had in the past?
q30b	Lookup	REASON	He/she did not make cash payments for the following reason;
q31	Lookup	YNDK	Did he/she make appointments?
q31a	Lookup	DIFFICULTY	Did he/she find it more difficult to keep appointments than he/she had in the past?
q31b	Lookup	REASON	He/she did not any appointments for the following reason;
q32	Lookup	YNDK	Did he/she fill in forms?
q32a	Lookup	DIFFICULTY	Did he/she find it more difficult to fill in forms than he/she had in the past?
q32b	Lookup	REASON	He/she did not fill in forms for the following reason;
q33	Lookup	YNDK	Did he/she work?
q33a	Lookup	DIFFICULTY	Did he/she find it more difficult to work than he/she had in the past?
q33b	Lookup	REASON	He/she did not work for the following reason;
q34	Lookup	YNDK	Did he/she function adequately at work?
q34a	Lookup	DIFFICULTY	Did he/she find it more difficult to function adequately at work than he/she had in the past?
q34b	Lookup	REASON	He/she did not function adequately at work for the following reason;
q35	Lookup	YNDK	Did he/she use a computer?
q35a	Lookup	DIFFICULTY	Did he/she find it more difficult to use a computer than he/she had in the past?
q35b	Lookup	REASON	He/she did not use a computer for the following reason;
q36	Lookup	YNDK	Did he/she search the Internet for information?
q36a	Lookup	DIFFICULTY	Did he/she find it more difficult to search the Internet for information than he/she had in the past?
q36b	Lookup	REASON	He/she did not search the Internet for information for the following reason;
q37	Lookup	YNDK	Did he/she use e-mail?
q37a	Lookup	DIFFICULTY	Did he/she find it more difficult to use email than he/she had in the past?
q37b	Lookup	REASON	He/she did not use e-mail for the following reason;
q38	Lookup	YNDK	Did he/she use the computer to type?
a38a	Lookup	DIFFICULTY	Did he/she find it more difficult to type on the computer than he/she had in the past?
q38b	Lookup	REASON	He/she did not type on the computer for the following reason;
q39	Lookup	YNDK	Did he/she use a computer to print documents?
q39a	Lookup	DIFFICULTY	Did he/she find it more difficult to print documents using a computer than he/she had in the past?
q39b	Lookup	REASON	He/she did not use a computer to print documents for the following reason;
q40	Lookup	YNDK	Did he/she use a computer to view photographs?

q40a	Lookup	DIFFICULTY	Did he/she find it more difficult to use a computer to view photographs than he/she had in the past?
q40b	Lookup	REASON	He/she did not use a computer to view photographs for the following reason;
q41	Lookup	YNDK	Did he/she use a computer to edit photographs?
q41a	Lookup	DIFFICULTY	Did he/she find it more difficult to use a computer to edit photographs than he/she had in the past?
q41b	Lookup	REASON	He/she did not use a computer to edit photographs for the following reason;
q42	Lookup	YNDK	Did he/she install software updates on the computer?
q42a	Lookup	DIFFICULTY	Did he/she install software updates on the computer than he/she had in the past?
q42b	Lookup	REASON	He/she did not install software updates on the computer to edit photographs for the following reason;
q43	Lookup	YNDK	Did he/she install new programs on the computer?
q43a	Lookup	DIFFICULTY	Did he/she find it more difficult to install new programs than he/she had in the past?
q43b	Lookup	REASON	He/she did not install new programs on the computer for the following reason:
q44	Lookup	YNDK	Did he/she learn how to do new things on the computer?
q44a	Lookup	DIFFICULTY	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	He/she did not learn how to do new things on the computer for the following reason:
q45	Lookup	YNDK	Did he/she book a trip on the Internet?
q45a	Lookup	DIFFICULTY	Did he/she find it more difficult to book a trip on the Internet than he/she had in the past?
q45b	Lookup	REASON	He/she did not book a trip on the Internet for the following reason:
q46	Lookup	YNDK	Did he/she use devices?
q46a	Lookup	DIFFICULTY	Did he/she find it more difficult to use devices than he/she had in the past?
q46b	Lookup	REASON	He/she did not use any devices for the following reason:
q47	Lookup	YNDK	Did he/she use the television remote control?
q47a	Lookup	DIFFICULTY	Did he/she find it more difficult to use the television remote control than he/she had in the past?
q47b	Lookup	REASON	He/she did not use the television remote control for the following reason:
q48	Lookup	YNDK	Did he/she record television programs (e.g. use a DVR)?
q48a	Lookup	DIFFICULTY	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	He/she did not record television programs (e.g. use a DVR) for the following reason:
q49	Lookup	YNDK	Did he/she program a DVR (or other device to record a television program)?

q49a	Lookup	DIFFICULTY	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	He/she did not program a DVR (or other device to record a television program) for the following reason:
q50	Lookup	YNDK	Did he/she use a DVD player?
q50a	Lookup	DIFFICULTY	Did he/she find it more difficult to use a DVD player than he/she had in the past?
q50b	Lookup	REASON	He/she did not use a DVD player for the following reason:
q51	Lookup	YNDK	Did he/she use a DVD recorder?
q51a	Lookup	DIFFICULTY	Did he/she find it more difficult to use a DVD recorder than he/she had in the past?
q51b	Lookup	REASON	He/she did not use a DVD recorder for the following reason:
q52	Lookup	YNDK	Did he/she use an answering machine/voicemail?
q52a	Lookup	DIFFICULTY	Did he/she find it more difficult to use an answering machine/voicemail than he/she had in the past?
q52b	Lookup	REASON	He/she did not use an answering machine/voicemail for the following reason:
q53	Lookup	YNDK	Did he/she refer to an instruction manual?
q53a	Lookup	DIFFICULTY	Did he/she find it more difficult to refer to an instruction manual than he/she had in the past?
q53b	Lookup	REASON	He/she did not refer to an instruction manual for the following reason:
q54	Lookup	YNDK	Did he/she try to understand an instruction manual?
q54a	Lookup	DIFFICULTY	Did he/she find it more difficult to understand an instruction manual than he/she had in the past?
q54b	Lookup	REASON	He/she did not try to understand an instruction manual for the following reason:
q55	Lookup	YNDK	Did he/she use a smartphone (such as an iPhone or Blackberry)?
q55a	Lookup	DIFFICULTY	Did he/she find it more difficult to use a smartphone than he/she had in the past?
q55b	Lookup	REASON	He/she did not use a smartphone for the following reason:
q56	Lookup	YNDK	Did he/she learn to use new devices?
q56a	Lookup	DIFFICULTY	Did he/she find it more difficult to learn to use new devices than he/she had in the past?
q56b	Lookup	REASON	He/she did not learn to use new devices for the following reason:
q57	Lookup	YNDK	Did he/she play card and board games?
q57a	Lookup	DIFFICULTY	Did he/she find it more difficult to play card and board games than he/she had in the past?
q57b	Lookup	REASON	He/she did not play card and board games for the following reason:
q58	Lookup	YNDK	Did he/she plan a vacation?
q58a	Lookup	DIFFICULTY	Did he/she find it more difficult to plan a vacation than he/she had in the past?
q58b	Lookup	REASON	He/she did not plan a vacation for the following reason:

q59	Lookup	YNDK	Did he/she drive a car?
q59a	Lookup	DIFFICULTY	Did he/she find it more difficult to drive a car than he/she had in the past?
q59b	Lookup	REASON	He/she did not drive a car for the following reason:
q60a	Lookup	DIFFICULTY	Did he/she find it more difficult to drive a car without losing his/her way than in the past?
q61	Lookup	YNDK	Was he/she a safe driver?
q61a	Lookup	DIFFICULTY	Did he/she find it more difficult to drive a car safely than he/she had in the past?
q61b	Lookup	REASON	He/she did not drive a car safely for the following reason:
q62	Lookup	YNDK	Did he/she read a map?
q62a	Lookup	DIFFICULTY	Did he/she find it more difficult to read a map than he/she had in the past?
q62b	Lookup	REASON	He/she did not read a map for the following reason:
q63	Lookup	YNDK	Did he/she read a map of an unfamiliar city or area?
q63a	Lookup	DIFFICULTY	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	He/she did not read a map of an unfamiliar city or area for the following reason:
q64	Lookup	YNDK	Did he/she use a map to find his/her way to an unfamiliar place?
q64a	Lookup	DIFFICULTY	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	He/she did not use a map to find his/her way to a new place for the following reason:
q65	Lookup	YNDK	Did he/she use GPS (navigation system)?
q65a	Lookup	DIFFICULTY	Did he/she find it more difficult to use GPS (navigation system) than he/she had in the past?
q65b	Lookup	REASON	He/she did not use GPS (navigation system) for the following reason:
q66	Lookup	YNDK	Did he/she use public transport?
q66a	Lookup	DIFFICULTY	Did he/she find it more difficult to use public transport than he/she had in the past?
q66b	Lookup	REASON	He/she did not make use of public transport for the following reason:
q67	Lookup	YNDK	Did he/she look for important things at home?
q67a	Lookup	DIFFICULTY	Did he/she find it more difficult to look for important things at home than in the past?
q67b	Lookup	REASON	He/she did not look for important things at home for the following reason:
q68	Lookup	YNDK	Did he/she look for his/her keys?
q68a	Lookup	DIFFICULTY	Did he/she find it more difficult to find his/her keys than in the past?
q68b	Lookup	REASON	He/she did not look for his/her keys for the following reason:
q69	Lookup	YNDK	Has he/she experienced unexpected circumstances?
q69a	Lookup	DIFFICULTY	Did he/she find it more difficult to deal with unexpected circumstances than he/she had in the past?

q70	Lookup	YNDK	Does he/she use medication?
q70a	Lookup	DIFFICULTY	Did he/she have more trouble being responsible for his/her own medication than in the past?
assessment_date	Date	YYYY-MM-DD	If Yes, provide date of assessment
assessment_performed	Lookup	PERFORMED	Was the assessment performed?
reason_not_done	Lookup	REASON_NOT_PERFORMED	If No, Please provide reason.

4.7 Biomarkers

4.7.1 MRI Radiological Read (epadlcs_radiological_read)

Assessment of MRI brain scan for study eligibility/safety

FIELD	TYPE	CONSTRAINTS	DESCRIPTION
patient_id	Integer		Patient ID
date_of_mri	Date	YYYY-MM-DD	Date of MRI
SEQC	Lookup	SEQC	Safety / Eligibility Suitability QC Grade
AHMIC	Lookup	AHMIC	Are Microhaemorrhages present?
AHMICLC	Lookup	AHMICLC	Total microhaemorrhage count
AHMICGLC	Text	max length 3	Microhaemorrhages Cortex Grey White Junction <5mm Left Certain
AHMICGLU	Text	max length 3	Microhaemorrhages Cortex Grey White Junction <5mm Left Uncertain
AHMICGRC	Text	max length 3	Microhaemorrhages Cortex Grey White Junction <5mm Right Certain
AHMICGRU	Text	max length 3	Microhaemorrhages Cortex Grey White Junction <5mm Right Uncertain
AHMIMGLC	Text	max length 3	Microhaemorrhages Cortex Grey White Junction 5-10mm Left Certain
AHMIMGLU	Text	max length 3	Microhaemorrhages Cortex Grey White Junction 5-10mm Left Uncertain
AHMIMGRC	Text	max length 3	Microhaemorrhages Cortex Grey White Junction 5-10mm Right Certain
AHMIMGRU	Text	max length 3	Microhaemorrhages Cortex Grey White Junction 5-10mm Right Uncertain
AHMICWLC	Text	max length 3	Microhaemorrhages Subcortical White Matter <5mm Left Certain
AHMICWLU	Text	max length 3	Microhaemorrhages Subcortical White Matter <5mm Left Uncertain
AHMICWRC	Text	max length 3	Microhaemorrhages Subcortical White Matter <5mm Right Certain
AHMICWRU	Text	max length 3	Microhaemorrhages Subcortical White Matter <5mm Right Uncertain
AHMIMWLC	Text	max length 3	Microhaemorrhages Subcortical White Matter 5-10mm Left Certain
AHMIMWLU	Text	max length 3	Microhaemorrhages Subcortical White Matter 5-10mm Left Uncertain
AHMIMWRC	Text	max length 3	Microhaemorrhages Subcortical White Matter 5-10mm Right Certain
AHMIMWRU	Text	max length 3	Microhaemorrhages Subcortical White Matter 5-10mm Right Uncertain
AHMICBLC	Text	max length 3	Microhaemorrhages Basal Ganglia Grey Matter, Excluding Thalamus <5mm Left Certain
AHMICBLU	Text	max length 3	Microhaemorrhages Basal Ganglia Grey Matter, Excluding Thalamus <5mm Left Uncertain

AHMICBRC	Text	max length 3	Microhaemorrhages Basal Ganglia Grey Matter, Excluding Thalamus <5mm Right Certain
AHMICBRU	Text	max length 3	Microhaemorrhages Basal Ganglia Grey Matter, Excluding Thalamus <5mm Right Uncertain
AHMIMBLC	Text	max length 3	Microhaemorrhages Basal Ganglia Grey Matter, Excluding Thalamus 5-10mm Left Certain
AHMIMBLU	Text	max length 3	Microhaemorrhages Basal Ganglia Grey Matter, Excluding Thalamus 5-10mm Left Uncertain
AHMIMBRC	Text	max length 3	Microhaemorrhages Basal Ganglia Grey Matter, Excluding Thalamus 5-10mm Right Certain
AHMIMBRU	Text	max length 3	Microhaemorrhages Basal Ganglia Grey Matter, Excluding Thalamus 5-10mm Right Uncertain
AHMICILC	Text	max length 3	Microhaemorrhages Internal And External Capsule, Excluding Thalamus <5mm Left Certain
AHMICILU	Text	max length 3	Microhaemorrhages Internal And External Capsule, Excluding Thalamus <5mm Left Uncertain
AHMICIRC	Text	max length 3	Microhaemorrhages Internal And External Capsule, Excluding Thalamus <5mm Right Certain
AHMICIRU	Text	max length 3	Microhaemorrhages Internal And External Capsule, Excluding Thalamus <5mm Right Uncertain
AHMIMILC	Text	max length 3	Microhaemorrhages Internal And External Capsule, Excluding Thalamus 5-10mm Left Certain
AHMIMILU	Text	max length 3	Microhaemorrhages Internal And External Capsule, Excluding Thalamus 5-10mm Left Uncertain
AHMIMIRC	Text	max length 3	Microhaemorrhages Internal And External Capsule, Excluding Thalamus 5-10mm Right Certain
AHMIMIRU	Text	max length 3	Microhaemorrhages Internal And External Capsule, Excluding Thalamus 5-10mm Right Uncertain
AHMICTLC	Text	max length 3	Microhaemorrhages Thalamus <5mm Left Certain
AHMICTLU	Text	max length 3	Microhaemorrhages Thalamus <5mm Left Uncertain
AHMICTRC	Text	max length 3	Microhaemorrhages Thalamus <5mm Right Certain
AHMICTRU	Text	max length 3	Microhaemorrhages Thalamus <5mm Right Uncertain
AHMIMTLC	Text	max length 3	Microhaemorrhages Thalamus 5-10mm Left Certain
AHMIMTLU	Text	max length 3	Microhaemorrhages Thalamus 5-10mm Left Uncertain
AHMIMTRC	Text	max length 3	Microhaemorrhages Thalamus 5-10mm Right Certain
AHMIMTRU	Text	max length 3	Microhaemorrhages Thalamus 5-10mm Right Uncertain
AHMICSLC	Text	max length 3	Microhaemorrhages Brainstem <5mm Left Certain
AHMICSLU	Text	max length 3	Microhaemorrhages Brainstem <5mm Left Uncertain
AHMICSRC	Text	max length 3	Microhaemorrhages Brainstem <5mm Right Certain
AHMICSRU	Text	max length 3	Microhaemorrhages Brainstem <5mm Right Uncertain
AHMIMSLC	Text	max length 3	Microhaemorrhages Brainstem 5-10mm Left Certain

AHMIMSLU	Text	max length 3	Microhaemorrhages Brainstem 5-10mm Left Uncertain
AHMIMSRC	Text	max length 3	Microhaemorrhages Brainstem 5-10mm Right Certain
AHMIMSRU	Text	max length 3	Microhaemorrhages Brainstem 5-10mm Right Uncertain
AHMICCLC	Text	max length 3	Microhaemorrhages Cerebellum <5mm Left Certain
AHMICCLU	Text	max length 3	Microhaemorrhages Cerebellum <5mm Left Uncertain
AHMICCRC	Text	max length 3	Microhaemorrhages Cerebellum <5mm Right Certain
AHMICCRU	Text	max length 3	Microhaemorrhages Cerebellum <5mm Right Uncertain
AHMIMCLC	Text	max length 3	Microhaemorrhages Cerebellum 5-10mm Left Certain
AHMIMCLU	Text	max length 3	Microhaemorrhages Cerebellum 5-10mm Left Uncertain
AHMIMCRC	Text	max length 3	Microhaemorrhages Cerebellum 5-10mm Right Certain
AHMIMCRU	Text	max length 3	Microhaemorrhages Cerebellum 5-10mm Right Uncertain
AHSWISLI	Text	max length 250	Comment on slice number of microhaemorrhages
AHSWICOM	Text	max length 250	Comment on any discrepancies between the microhaemorrhage count in the SWI image compared to the T2-star
SS	Lookup	SS	Evidence of Superficial Siderosis
SSCH	Lookup	SSCH	Superficial Siderosis Change from Previous Scan
SSL	Text	max length 200	Superficial Siderosis Comment, including side, lobar region and if it is focal/disseminated
FSD	Lookup	FSD	Fazekas Scale Deep
FSPV	Lookup	FSPV	Fazekas Scale Periventricular
ARWMCFR	Lookup	ARWMCFR	ARWMC Frontal
ARWMCPO	Lookup	ARWMCPO	ARWMC Parieto-Occipital
ARWMCTE	Lookup	ARWMCTE	ARWMC Temporal
ARWMCIN	Lookup	ARWMCIN	ARWMC Infratentorial
ARWMCBG	Lookup	ARWMCBG	ARWMC Basal Ganglia
MTAL	Lookup	MTAL	MTA score on left side
MTAR	Lookup	MTAR	MTA score on right side
KOEDAM	Lookup	KOEDAM	Koedam Score
EPSBG	Lookup	EPSBG	Enlarged Perivascular Spaces Basal Ganglia
EPSCS	Lookup	EPSCS	Enlarged Perivascular Spaces Centrum Semiovale
EPSPM	Lookup	EPSPM	Enlarged Perivascular Spaces Perivascular Midbrain
AE	Lookup	AE	Findings consistent with ARIA-E?
AECH	Lookup	AECH	ARIA-E Change from Previous Scan
AE1SL	Text	max length 3	ARIA-E 1 Slice Number
AE1AB	Lookup	AE1AB	ARIA-E 1 Abnormality
AE1LOC	Lookup	AE1LOC	ARIA-E 1 Location
AE1SID	Lookup	AE1SID	ARIA-E 1 Side
AE2SL	Text	max length 3	ARIA-E 2 Slice Number
AE2AB	Lookup	AE2AB	ARIA-E 2 Abnormality
AE2LOC	Lookup	AE2LOC	ARIA-E 2 Location
AE2SID	Lookup	AE2SID	ARIA-E 2 Side
OTHFND	Lookup	OTHFND	Other Clinically Relevant Findings?
OTHPFND	Lookup	OTHPFND	Other potentially Clinically Relevant Findings? (For new findings only at visit)

OTHFNDDT	Lookup	OTHFNDDT	Other Finding Type (For new findings only at visit)
OTHFNDDL	Lookup	OTHFNDDL	Other Finding Location (For new findings only at visit)
OTHFNDDCO	Text	max length 200	Other Finding Comment
RCO	Text	max length 200	Other Comment – Non Significant Findings
SAFFND	Lookup	SAFFND	New Safety Finding?
DISCMET	Lookup	DISCMET	Has the Discontinuation Criteria been met?
READDAT	Date	YYYY-mm-DD	Read done on
READWHO	Text	max length 200	Read done by
ELIG	Lookup	ELIG	Subject suitable for Study?

4.7.2 MRI Lacunes & Infarcts (epadlcs_lacunes_infarcts)

Measurement of brain lacunes & infarcts

FIELD	TYPE	CONSTRAINTS	DESCRIPTION
patient_id	Integer		Patient ID
date_of_mri	Date	YYYY-MM-DD	Date of MRI
TIOC	Lookup	TIOC	Is there evidence of any territorial infarct outside of the cerebellum, including full, partial, or watershed infarct?
TIFC	Lookup	TIFC	Is there evidence of any full territory cerebellar infarct?
TICOM	Text	max length 200	Comments on Infarcts
LACM	Lookup	LACM	Are there more than 4 lacunes?
LACN	Text	LACN	Are there any new lacunes?
LACCOU	Lookup	LACCOU	Lacune Count
LAC1LOC	Lookup	LOCATION	Lacune 1 Location
LAC1SLI	Text	max length 3	Lacune 1 Slice Number
LAC1SID	Lookup	SIDE	Lacune 1 Side
LAC1DEF	Lookup	DEFINITION	Lacune 1 Definition
LAC2LOC	Lookup	LOCATION	Lacune 2 Location
LAC2SLI	Text	max length 3	Lacune 2 Slice Number
LAC2SID	Lookup	SIDE	Lacune 2 Side
LAC2DEF	Lookup	DEFINITION	Lacune 2 Definition
LAC3LOC	Lookup	LOCATION	Lacune 3 Location
LAC3SLI	Text	max length 3	Lacune 3 Slice Number
LAC3SID	Lookup	SIDE	Lacune 3 Side
LAC3DEF	Lookup	DEFINITION	Lacune 3 Definition
LAC4LOC	Lookup	LOCATION	Lacune 4 Location
LAC4SLI	Text	max length 3	Lacune 4 Slice Number
LAC4SID	Lookup	SIDE	Lacune 4 Side
LAC4DEF	Lookup	DEFINITION	Lacune 4 Definition
LACCOM	Text	max length 200	Lacunes Comment

4.7.3 MRI Volumetric (epadlcs_volumetric)

Measurement of brain volumetric parameters

FIELD	TYPE	CONSTRAINTS	DESCRIPTION
patient_id	Integer		
date_of_mri	Date	YY-MM-DD	Scan Date of MRI
LBV	Numeric	max length 8	WBLEAP Volume
LBVQC	Lookup	PASSFAIL	WBLEAP QC Grade
LBVQCC	Alphanumeric	max length 200	WBLEAP QC Comment
WBLBV	Text	max length 8	WBLEAP Adjusted Repeat Brain Volume
WBLBVCH	Text	max length 8	WBLEAP Brain Percent Atrophy

WBLBVQC	Lookup	PASSFAIL	WBLLEAP QC Grade
WBLBVQCC	Text	max length 200	WBLLEAP QC Comment
LHVL	Numeric	max length 8	LEAP Left Hippocampus Volume
LHVR	Numeric	max length 8	LEAP Right Hippocampus Volume
LHQCG	Lookup	PASSFAIL	LEAP Hippocampus QC Grade
LHQCC	Text	max length 200	LEAP Hippocampus Volume QC Comment
LLHVL	Text	max length 8	LLEAP Hippocampus Volume Left
LLHLA	Text	max length 8	LLEAP Hippocampus Atrophy Left
LLHLPA	Text	max length 8	LLEAP Hippocampus Percent Atrophy Left
LLHVR	Text	max length 8	LLEAP Hippocampus Volume Right
LLHLR	Text	max length 8	LLEAP Hippocampus Atrophy Right
LLHRPA	Text	max length 8	LLEAP Hippocampus Percent Atrophy Right
LLHQCG	Text	PASSFAIL	LLEAP Hippocampus QC Grade
LLHQCC	Text	max length 200	LLEAP Hippocampus QC Comment
LVV	Numeric	max length 8	LEAP Ventricular Volume
LVVQC	Lookup	PASSFAIL	LEAP Ventricular Volume QC Grade
LVVQCC	Text	max length 200	LEAP Lateral Ventricles Volume QC Comment
LLVV	Text	max length 8	LLEAP Ventricle Volume
LLVA	Text	max length 8	LLEAP Ventricle Atrophy
LLPA	Text	max length 8	LLEAP Ventricle Percent Atrophy
LLVVQC	Lookup	PASSFAIL	LLEAP Ventricular Volume QC Grade
LLVVQCC	Text	max length 200	LLEAP Lateral Ventricles Volume QC Comment
PTIV	Numeric	max length 8	PTIV Factor
PTIVQC	Lookup	PASSFAIL	PTIV Factor QC Grade
PTIVQCC	Text	max length 200	PTIV Factor QC Comment
LWMV	Numeric	max length 8	LEAP White Matter Lesion Volume
LWMJV	Numeric	max length 8	LEAP White Matter Juxtaventricular Lesion Volume
LWMJVP	Numeric	max length 8	LEAP White Matter Juxtaventricular Lesion Percentage
LWMJCV	Numeric	max length 8	LEAP White Matter Juxtacortical Lesion Volume
LWMJCP	Numeric	max length 8	LEAP White Matter Juxtacortical Lesion Percentage
LWMDV	Numeric	max length 8	LEAP White Matter Deep Lesion Volume
LWMDP	Numeric	max length 8	LEAP White Matter Deep Lesion Percentage
LWMPVV	Numeric	max length 8	LEAP White Matter Periventricular Lesion Volume
LWMPVP	Numeric	max length 8	LEAP White Matter Periventricular Lesion Percentage
LWMQC	Lookup	PASSFAIL	LEAP White Matter Endpoint QC Grade
LWMQCC	Text	max length 200	LEAP White Matter QC Comment
LTVV	Numeric	max length 8	LEAP Third Ventricle Volume
LFVV	Numeric	max length 8	LEAP Fourth Ventricle Volume
LRACCU	Numeric	max length 8	LEAP Right Accumbens Area Volume
LLACCU	Numeric	max length 8	LEAP Left Accumbens Area Volume
LRAMYG	Numeric	max length 8	LEAP Right Amygdala Volume
LLAMYG	Numeric	max length 8	LEAP Left Amygdala Volume
LRCV	Numeric	max length 8	LEAP Right Caudate Volume
LLCV	Numeric	max length 8	LEAP Left Caudate Volume
LRCBEV	Numeric	max length 8	LEAP Right Cerebellum Exterior Volume
LLCBEV	Numeric	max length 8	LEAP Left Cerebellum Exterior Volume
LRCBWMV	Numeric	max length 8	LEAP Right Cerebellum White Matter Volume
LLCBWMV	Numeric	max length 8	LEAP Left Cerebellum White Matter Volume
LRCWMV	Numeric	max length 8	LEAP Right Cerebral White Matter Volume
LLCWMV	Numeric	max length 8	Left Cerebral White Matter Volume
LCSFV	Numeric	max length 8	LEAP Cerebrospinal Fluid Volume
LRILVV	Numeric	max length 8	LEAP Right Inferior Lateral Ventricle Volume
LLILVV	Numeric	max length 8	LEAP Left Inferior Lateral Ventricle Volume
LRPALV	Numeric	max length 8	LEAP Right Pallidum Volume
LLPALV	Numeric	max length 8	LEAP Left Pallidum Volume
LRPUTV	Numeric	max length 8	LEAP Right Putamen Volume
LLPUTV	Numeric	max length 8	LEAP Left Putamen Volume
LRTHAPV	Numeric	max length 8	LEAP Right Thalamus Proper Volume

LLTHAPV	Numeric	max length 8	LEAP Left Thalamus Proper Volume
LRVENDCV	Numeric	max length 8	LEAP Ventral Diencephalon Volume
LLVENDCV	Numeric	max length 8	LEAP Left Ventral Diencephalon Volume
LCVLVIVV	Numeric	max length 8	LEAP Cerebellar Vermal Lobules I-V Volume
LCVLVIVII	Numeric	max length 8	LEAP Cerebellar Vermal Lobules Vi-Vii Volume
LCVLVIX	Numeric	max length 8	LEAP Cerebellar Vermal Lobules Viii-X Volume
LRBFBV	Numeric	max length 8	LEAP Right Basal Forebrain Volume
LLBFBV	Numeric	max length 8	LEAP Left Basal Forebrain Volume
LRACGCV	Numeric	max length 8	LEAP Right Anterior Cingulate Gyrus Volume
LLACGCV	Numeric	max length 8	LEAP Left Anterior Cingulate Gyrus Volume
LRAINSV	Numeric	max length 8	LEAP Right Anterior Insula Volume
LLAINSV	Numeric	max length 8	LEAP Left Anterior Insula Volume
LRAOGV	Numeric	max length 8	LEAP Right Anterior Orbital Gyrus Volume
LLAOGV	Numeric	max length 8	LEAP Left Anterior Orbital Gyrus Volume
LRANGV	Numeric	max length 8	LEAP Right Angular Gyrus Volume
LLANGV	Numeric	max length 8	LEAP Left Angular Gyrus Volume
LRCALCV	Numeric	max length 8	LEAP Right Calcarine Cortex Volume
LLCALCV	Numeric	max length 8	LEAP Left Calcarine Cortex Volume
LRCOPERV	Numeric	max length 8	LEAP Right Central Operculum Volume
LLCOPERV	Numeric	max length 8	LEAP Left Central Operculum Volume
LRCUNV	Numeric	max length 8	LEAP Right Cuneus Volume
LLCUNV	Numeric	max length 8	LEAP Left Cuneus Volume
LRENTAV	Numeric	max length 8	LEAP Right Entorhinal Area Volume
LLRENTAV	Numeric	max length 8	LEAP Left Entorhinal Area Volume
LRFOPV	Numeric	max length 8	LEAP Right Frontal Operculum Volume
LLFOPV	Numeric	max length 8	LEAP Left Frontal Operculum Volume
LRFPV	Numeric	max length 8	LEAP Right Frontal Pole Volume
LLFPV	Numeric	max length 8	LEAP Left Frontal Pole Volume
LRFUSIGV	Numeric	max length 8	LEAP Right Fusiform Gyrus Volume
LLFUSIGV	Numeric	max length 8	LEAP Left Fusiform Gyrus Volume
LRGYRRV	Numeric	max length 8	LEAP Right Gyrus Rectus Volume
LLGYRRV	Numeric	max length 8	LEAP Left Gyrus Rectus Volume
LRINFOGV	Numeric	max length 8	LEAP Right Inferior Occipital Gyrus Volume
LLINFOGV	Numeric	max length 8	LEAP Left Inferior Occipital Gyrus Volume
LRINFTGV	Numeric	max length 8	LEAP Right Inferior Temporal Gyrus Volume
LLINFTGV	Numeric	max length 8	LEAP Left Inferior Temporal Gyrus Volume
LRLINGGV	Numeric	max length 8	LEAP Right Lingual Gyrus Volume
LLLINGGV	Numeric	max length 8	LEAP Left Lingual Gyrus Volume
LRLATOGV	Numeric	max length 8	LEAP Right Lateral Orbital Gyrus Volume
LLLATOGV	Numeric	max length 8	LEAP Left Lateral Orbital Gyrus Volume
LRMCINGGV	Numeric	max length 8	LEAP Right Middle Cingulate Gyrus Volume
LLMCINGGV	Numeric	max length 8	LEAP Left Middle Cingulate Gyrus Volume
LRMFCV	Numeric	max length 8	LEAP Right Medial Frontal Cortex Volume
LLMFCV	Numeric	max length 8	LEAP Left Medial Frontal Cortex Volume
LRMFGYV	Numeric	max length 8	LEAP Right Middle Frontal Gyrus Volume
LLMFGYV	Numeric	max length 8	LEAP Left Middle Frontal Gyrus Volume
LRMOCCGV	Numeric	max length 8	LEAP Right Middle Occipital Gyrus Volume
LLMOCCGV	Numeric	max length 8	LEAP Left Middle Occipital Gyrus Volume
LRMORBGV	Numeric	max length 8	LEAP Right Medial Orbital Gyrus Volume
LLMORBGV	Numeric	max length 8	LEAP Left Medial Orbital Gyrus Volume
LRPOSTGV	Numeric	max length 8	LEAP Right Postcentral Gyrus Medial Segment Volume
LLPOSTGV	Numeric	max length 8	LEAP Left Postcentral Gyrus Medial Segment Volume
LRPREGV	Numeric	max length 8	LEAP Right Precentral Gyrus Medial Segment Volume
LLPREGV	Numeric	max length 8	LEAP Left Precentral Gyrus Medial Segment Volume
LRSFGV	Numeric	max length 8	LEAP Right Superior Frontal Gyrus Volume
LLSFGV	Numeric	max length 8	LEAP Left Superior Frontal Gyrus Volume
LRSFGMV	Numeric	max length 8	LEAP Right Middle Temporal Gyrus Volume
LLSFGMV	Numeric	max length 8	LEAP Left Middle Temporal Gyrus Volume

LRMTGV	Numeric	max length 8	LEAP Right Occipital Pole Volume
LLMTGV	Numeric	max length 8	LEAP Left Occipital Pole Volume
LROCCPV	Numeric	max length 8	LEAP Right Occipital Pole Volume
LLOCCPV	Numeric	max length 8	LEAP Left Occipital Pole Volume
LROCFUGV	Numeric	max length 8	LEAP Right Occipital Fusiform Gyrus Volume
LLOCFUGV	Numeric	max length 8	LEAP Left Occipital Fusiform Gyrus Volume
LROPIFGV	Numeric	max length 8	LEAP Right Opercular Part of The Inferior Frontal Gyrus Volume
LLOPIFGV	Numeric	max length 8	LEAP Left Opercular Part of The Inferior Frontal Gyrus Volume
LRORIFGV	Numeric	max length 8	LEAP Right Orbital Part of The Inferior Frontal Gyrus Volume
LLORIFGV	Numeric	max length 8	LEAP Left Orbital Part of The Inferior Frontal Gyrus Volume
LRPCINGV	Numeric	max length 8	LEAP Right Posterior Cingulate Gyrus Volume
LLPCINGV	Numeric	max length 8	LEAP Left Posterior Cingulate Gyrus Volume
LRPRECV	Numeric	max length 8	LEAP Right Precuneus Volume
LLPRECV	Numeric	max length 8	LEAP Left Precuneus Volume
LRPAHIPGV	Numeric	max length 8	LEAP Right Parahippocampal Gyrus Volume
LLPAHIPGV	Numeric	max length 8	LEAP Left Parahippocampal Gyrus Volume
LRPINSV	Numeric	max length 8	LEAP Right Posterior Insula Volume
LLPINSV	Numeric	max length 8	LEAP Left Posterior Insula Volume
LRPAROPV	Numeric	max length 8	LEAP Right Parietal Operculum Volume
LLPAROPV	Numeric	max length 8	LEAP Left Parietal Operculum Volume
LRPGV	Numeric	max length 8	LEAP Right Postcentral Gyrus Volume
LLPGV	Numeric	max length 8	LEAP Left Postcentral Gyrus Volume
LRPOBGV	Numeric	max length 8	LEAP Right Posterior Orbital Gyrus Volume
LLPOBGV	Numeric	max length 8	LEAP Left Posterior Orbital Gyrus Volume
LRPLANPV	Numeric	max length 8	LEAP Right Planum Polare Volume
LLPLANPV	Numeric	max length 8	LEAP Left Planum Polare Volume
LRPRGV	Numeric	max length 8	LEAP Right Precentral Gyrus Volume
LLPRGV	Numeric	max length 8	LEAP Left Precentral Gyrus Volume
LRPLANTV	Numeric	max length 8	LEAP Right Planum Temporale Volume
LLPLANTV	Numeric	max length 8	LEAP Left Planum Temporale Volume
LRSUBCAV	Numeric	max length 8	LEAP Right Subcallosal Area Volume
LLSUBCAV	Numeric	max length 8	LEAP Left Subcallosal Area Volume
LRSUPMCV	Numeric	max length 8	LEAP Right Supplementary Motor Cortex Volume
LLSUPMCV	Numeric	max length 8	LEAP Left Supplementary Motor Cortex Volume
LRSUPRGV	Numeric	max length 8	LEAP Right Supramarginal Gyrus Volume
LLSUPRGV	Numeric	max length 8	LEAP Left Supramarginal Gyrus Volume
LRSUOGV	Numeric	max length 8	LEAP Right Superior Occipital Gyrus Volume
LLSUOGV	Numeric	max length 8	LEAP Left Superior Occipital Gyrus Volume
LRSUPALV	Numeric	max length 8	LEAP Right Superior Parietal Lobule Volume
LLSUPALV	Numeric	max length 8	LEAP Left Superior Parietal Lobule Volume
LRSTPGV	Numeric	max length 8	LEAP Right Superior Temporal Gyrus Volume
LLSTPGV	Numeric	max length 8	LEAP Left Superior Temporal Gyrus Volume
L RTPV	Numeric	max length 8	LEAP Right Temporal Pole Volume
LLTPV	Numeric	max length 8	LEAP Left Temporal Pole Volume
LRTRIFGV	Numeric	max length 8	LEAP Right Triangular Part of The Inferior Frontal Gyrus Volume
LLTRIFGV	Numeric	max length 8	LEAP Left Triangular Part of The Inferior Frontal Gyrus Volume
LRTTGV	Numeric	max length 8	LEAP Right Transverse Temporal LEAP Gyrus Volume
LLTTGV	Numeric	max length 8	LEAP Left Transverse Temporal Gyrus Volume
LMIDBV	Numeric	max length 8	LEAP Midbrain Volume
LPONSV	Numeric	max length 8	LEAP Pons Volume
LMEDUV	Numeric	max length 8	LEAP Medulla Volume
LSCEREVPV	Numeric	max length 8	LEAP Superior Cerebellar Peduncle Volume

4.7.4 Biological Samples (epadlcs_biomarkers)

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	UNITS	DESCRIPTION
patient_id	Integer			Patient ID
apoe_result	Lookup	APOE		APOE Result
apoe_sample_collected	Lookup	COLLECTED		Was the sample collected?
apoe_sample_date	Date	YYYY-MM-DD		Date of collection
apoe_reason_not_collected	Lookup	REASON_NOT_COLLECTED		If No, Please provide reason
apoe_blood_sample_id	Text	max length 6		Blood Sample ID
ptau_result	Text	max length 5	pg/ml	pTau Result
ttau_result	Text	max length 5	pg/ml	tTau Result
abeta_1_42_result	Text	max length 5	pg/ml	Abeta(1-42) Result
abeta_1_42_comments	Text	max length 200		Abeta(1-42) Comments
csf_sample_collected	Lookup	COLLECTED		Was the sample collected?
csf_sample_date	Date	YYYY-MM-DD		Date of collection
csf_reason_not_collected	Lookup	REASON_NOT_COLLECTED		If No, Please provide reason
csf_sample_id	Text	max length 6		CSF Sample ID
reason_not_analysed	Text	max length 200		CSF Reason Test Not Done

4.8 Adverse Events

4.8.1 Adverse Events (epadlcs_adverse_events)

Adverse Events related to study procedures

FIELD	TYPE	CONSTRAINTS	DESCRIPTION
Patient ID	Integer		Patient ID
Adverse Event Term	Text	max length 200	What is the adverse event term?
Start Date	Date	YYYY-MM-DD	Start Date
End Date	Date	YYYY-MM-DD	End Date
Event Ongoing	Lookup	ONGOING	Is the adverse event still ongoing?
Severity	Lookup	SEVERITY	Severity
Therapy Given	Lookup	THERAPY_GIVEN	Concomitant or additional therapy given for this adverse event?
Outcome	Lookup	OUTCOME	Outcome
Stabilized	Lookup	STABILIZED	If Not recovered or Not resolved, has the event stabilized?
Stabilized Date	Date	YYYY-MM-DD	If yes, date of stabilization
Related Trial Procedure	Lookup	RELATED_TRIAL_PROCEDURE	Related Trial Procedure
Serious	Lookup	SERIOUS	Is the adverse event serious?
Death	Lookup	DEATH	Death
Cause of Death	Text	max length 200	Cause of Death
Life Threatening	Lookup	LIFE_THREATENING	Is life-threatening
Hospitalization	Lookup	HOSPITALIZATION	Requires hospitalization
Significant Disability	Lookup	SIGNIFICANT_DISABILITY	Persistent/significant disability/incapacity
Lowest Level Term	Text	max length 8	Lowest Level Term
Preferred Term	Text	max length 8	Preferred Term
High Level Term	Text	max length 8	High Level Term
High Level Group Term	Text	max length 8	High Level Group Term
MedDRA Version Number	Text	max length 200	MedDRA Version Number

Body System or Organ Class	Text	max length 8	Body System or Organ Class
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4.9 Study Events

4.9.1 Visit Identification (epadlcs_visits)

Visit number and Visit dates

FIELD	TYPE	CONSTRAINTS	DESCRIPTION
patient_id	Integer		Patient ID
foldername	Text	max length 255	Visit
visdat_int	Date	YYYY-MM-DD	Visit Date

4.9.2 Discontinuation (epadlcs_discontinuation)

Data on discontinuation of participants

FIELD	TYPE	CONSTRAINTS	DESCRIPTION
patient_id	Integer		Patient ID
dscat	Text	max length 20	Category
dsscat	Text	max length 40	Subcategory
dsdecod	Lookup	STATUS	What was the subject's status?
dsstdat_int	Date	YYYY-MM-DD	Completion/Disposition Date
dsdecod_reas	Lookup	REASON	What was the subject's primary reason for discontinuation?
aedsl1	Text	max length 80	If Adverse Event, choose corresponding AE log line, start date, and term
aedsl2	Text	max length 80	AE log line, start date, and term
aedsl3	Text	max length 80	AE log line, start date, and term
aedsl4	Text	max length 80	AE log line, start date, and term
aedsl5	Text	max length 80	AE log line, start date, and term

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:

Ellie McMaster
EPAD Sponsorship Manager

Date: