

**Table S1. A list of UK Biobank field IDs to extract data for conditions in the healthspan definition, other medical conditions, and baseline variables**

Instance 0 : Initial assessment visit (2006-2010) at which participants were recruited and consent given

Instance 2 : Imaging visit (2014+)

| Variable                                      | Instance | ICD codes | Field ID | Description                                                                                                          |
|-----------------------------------------------|----------|-----------|----------|----------------------------------------------------------------------------------------------------------------------|
| Exclusion criteria                            |          |           |          |                                                                                                                      |
| Non-MDD psychiatric or neurological disorders | -        | F00       | 130836   | Date F00 first reported (dementia in alzheimer's disease)                                                            |
| Non-MDD psychiatric or neurological disorders | -        | F01       | 130838   | Date F01 first reported (vascular dementia)                                                                          |
| Non-MDD psychiatric or neurological disorders | -        | F02       | 130840   | Date F02 first reported (dementia in other diseases classified elsewhere)                                            |
| Non-MDD psychiatric or neurological disorders | -        | F03       | 130842   | Date F03 first reported (unspecified dementia)                                                                       |
| Non-MDD psychiatric or neurological disorders | -        | F04       | 130844   | Date F04 first reported (organic amnesic syndrome, not induced by alcohol and other psychoactive substances)         |
| Non-MDD psychiatric or neurological disorders | -        | F05       | 130846   | Date F05 first reported (delirium, not induced by alcohol and other psychoactive substances)                         |
| Non-MDD psychiatric or neurological disorders | -        | F06       | 130848   | Date F06 first reported (other mental disorders due to brain damage and dysfunction and to physical disease)         |
| Non-MDD psychiatric or neurological disorders | -        | F07       | 130850   | Date F07 first reported (personality and behavioural disorders due to brain disease, damage and dysfunction)         |
| Non-MDD psychiatric or neurological disorders | -        | F09       | 130852   | Date F09 first reported (unspecified organic or symptomatic mental disorder)                                         |
| Non-MDD psychiatric or neurological disorders | -        | F60       | 130932   | Date F60 first reported (specific personality disorders)                                                             |
| Non-MDD psychiatric or neurological disorders | -        | F61       | 130934   | Date F61 first reported (mixed and other personality disorders)                                                      |
| Non-MDD psychiatric or neurological disorders | -        | F62       | 130936   | Date F62 first reported (enduring personality changes, not attributable to brain damage and disease)                 |
| Non-MDD psychiatric or neurological disorders | -        | F63       | 130938   | Date F63 first reported (habit and impulse disorders)                                                                |
| Non-MDD psychiatric or neurological disorders | -        | F64       | 130940   | Date F64 first reported (gender identity disorders)                                                                  |
| Non-MDD psychiatric or neurological disorders | -        | F65       | 130942   | Date F65 first reported (disorders of sexual preference)                                                             |
| Non-MDD psychiatric or neurological disorders | -        | F66       | 130944   | Date F66 first reported (psychological and behavioural disorders associated with sexual development and orientation) |
| Non-MDD psychiatric or neurological disorders | -        | F68       | 130946   | Date F68 first reported (other disorders of adult personality and behaviour)                                         |
| Non-MDD psychiatric or neurological disorders | -        | F69       | 130948   | Date F69 first reported (unspecified disorder of adult personality and behaviour)                                    |
| Non-MDD psychiatric or neurological disorders | -        | F70       | 130950   | Date F70 first reported (mild mental retardation)                                                                    |
| Non-MDD psychiatric or neurological disorders | -        | F71       | 130952   | Date F71 first reported (moderate mental retardation)                                                                |
| Non-MDD psychiatric or neurological disorders | -        | F72       | 130954   | Date F72 first reported (severe mental retardation)                                                                  |
| Non-MDD psychiatric or neurological disorders | -        | F73       | 130956   | Date F73 first reported (profound mental retardation)                                                                |
| Non-MDD psychiatric or neurological disorders | -        | F78       | 130958   | Date F78 first reported (other mental retardation)                                                                   |
| Non-MDD psychiatric or neurological disorders | -        | F79       | 130960   | Date F79 first reported (unspecified mental retardation)                                                             |
| Non-MDD psychiatric or neurological disorders | -        | F80       | 130962   | Date F80 first reported (specific developmental disorders of speech and language)                                    |
| Non-MDD psychiatric or neurological disorders | -        | F81       | 130964   | Date F81 first reported (specific developmental disorders of scholastic skills)                                      |
| Non-MDD psychiatric or neurological disorders | -        | F82       | 130966   | Date F82 first reported (specific developmental disorder of motor function)                                          |
| Non-MDD psychiatric or neurological disorders | -        | F83       | 130968   | Date F83 first reported (mixed specific developmental disorders)                                                     |
| Non-MDD psychiatric or neurological disorders | -        | F84       | 130970   | Date F84 first reported (pervasive developmental disorders)                                                          |
| Non-MDD psychiatric or neurological disorders | -        | F88       | 130972   | Date F88 first reported (other disorders of psychological development)                                               |
| Non-MDD psychiatric or neurological disorders | -        | F89       | 130974   | Date F89 first reported (unspecified disorder of psychological development)                                          |
| Non-MDD psychiatric or neurological disorders | -        | F99       | 130990   | Date F99 first reported (mental disorder, not otherwise specified)                                                   |
| Non-MDD psychiatric or neurological disorders | -        | F30       | 130890   | Date F30 first reported (manic episode)                                                                              |
| Non-MDD psychiatric or neurological disorders | -        | F31       | 130892   | Date F31 first reported (bipolar affective disorder)                                                                 |
| Non-MDD psychiatric or neurological disorders | -        | F38       | 130900   | Date F38 first reported (other mood [affective] disorders)                                                           |
| Non-MDD psychiatric or neurological disorders | -        | F39       | 130902   | Date F39 first reported (unspecified mood [affective] disorder)                                                      |
| Non-MDD psychiatric or neurological disorders | -        | G20       | 131022   | Date G20 first reported (parkinson's disease)                                                                        |
| Non-MDD psychiatric or neurological disorders | -        | G21       | 131024   | Date G21 first reported (secondary parkinsonism)                                                                     |
| Non-MDD psychiatric or neurological disorders | -        | G22       | 131026   | Date G22 first reported (parkinsonism in diseases classified elsewhere)                                              |
| Non-MDD psychiatric or neurological disorders | -        | G23       | 131028   | Date G23 first reported (other degenerative diseases of basal ganglia)                                               |
| Non-MDD psychiatric or neurological disorders | -        | G24       | 131030   | Date G24 first reported (dystonia)                                                                                   |

|                                               |   |                  |              |                                                                                                           |
|-----------------------------------------------|---|------------------|--------------|-----------------------------------------------------------------------------------------------------------|
| Non-MDD psychiatric or neurological disorders | - | G25              | 131032       | Date G25 first reported (other extrapyramidal and movement disorders)                                     |
| Non-MDD psychiatric or neurological disorders | - | G26              | 131034       | Date G26 first reported (extrapyramidal and movement disorders in diseases classified elsewhere)          |
| Non-MDD psychiatric or neurological disorders | - | G30              | 131036       | Date G30 first reported (alzheimer's disease)                                                             |
| Non-MDD psychiatric or neurological disorders | - | G31              | 131038       | Date G31 first reported (other degenerative diseases of nervous system, not elsewhere classified)         |
| Non-MDD psychiatric or neurological disorders | - | G32              | 131040       | Date G32 first reported (other degenerative disorders of nervous system in diseases classified elsewhere) |
| Non-MDD psychiatric or neurological disorders | - | G80              | 131100       | Date G80 first reported (infantile cerebral palsy)                                                        |
| Non-MDD psychiatric or neurological disorders | - | G81              | 131102       | Date G81 first reported (hemiplegia)                                                                      |
| Non-MDD psychiatric or neurological disorders | - | G82              | 131104       | Date G82 first reported (paraplegia and tetraplegia)                                                      |
| Non-MDD psychiatric or neurological disorders | - | G83              | 131106       | Date G83 first reported (other paralytic syndromes)                                                       |
| Assessment dates                              |   |                  |              |                                                                                                           |
| Baseline assessment date                      | 0 | -                | 53           | Date of attending assessment centre                                                                       |
| First imaging visit date                      | 2 | -                | 53           | Date of attending assessment centre                                                                       |
| Baseline variables                            |   |                  |              |                                                                                                           |
| Age                                           | - | -                | 21022        | Age at recruitment                                                                                        |
| Sex                                           | - | -                | 31           | Sex                                                                                                       |
| Ethnicity                                     | - | -                | 21000        | Ethnic background                                                                                         |
| Education                                     | 0 | -                | 6138         | Qualifications                                                                                            |
| Townsend deprivation index                    | - | -                | 22189        | Townsend deprivation index at recruitment                                                                 |
| BMI                                           | 0 | -                | 21001        | Body mass index (BMI)                                                                                     |
| Smoking status                                | 0 | -                | 20116        | Smoking status                                                                                            |
| Hypertension                                  | - | I10              | 131286       | Date I10 first reported (essential (primary) hypertension)                                                |
| Hypertension                                  | - | I11              | 131288       | Date I11 first reported (hypertensive heart disease)                                                      |
| Hypertension                                  | - | I12              | 131290       | Date I12 first reported (hypertensive renal disease)                                                      |
| Hypertension                                  | - | I13              | 131292       | Date I13 first reported (hypertensive heart and renal disease)                                            |
| Hypertension                                  | - | I15              | 131294       | Date I15 first reported (secondary hypertension)                                                          |
| Diabetes                                      | - | E10              | 130706       | Date E10 first reported (insulin-dependent diabetes mellitus)                                             |
| Diabetes                                      | - | E11              | 130708       | Date E11 first reported (non-insulin-dependent diabetes mellitus)                                         |
| Diabetes                                      | - | E12              | 130710       | Date E12 first reported (malnutrition-related diabetes mellitus)                                          |
| Diabetes                                      | - | E13              | 130712       | Date E13 first reported (other specified diabetes mellitus)                                               |
| Diabetes                                      | - | E14              | 130714       | Date E14 first reported (unspecified diabetes mellitus)                                                   |
| MDD                                           |   |                  |              |                                                                                                           |
| MDD diagnosis                                 | - | F32              | 130894       | Date F32 first reported (depressive episode)                                                              |
| MDD diagnosis                                 | - | F33              | 130896       | Date F33 first reported (recurrent depressive disorder)                                                   |
| MDD diagnosis                                 | - | F34              | 130898       | Date F34 first reported (persistent mood [affective] disorders)                                           |
| MDD diagnosis                                 | - | F38              | 130900       | Date F38 first reported (other mood [affective] disorders)                                                |
| MDD diagnosis                                 | - | F39              | 130902       | Date F39 first reported (unspecified mood [affective] disorder)                                           |
| PHQ-4                                         | 0 | -                | 2050         | Frequency of depressed mood in last 2 weeks                                                               |
| PHQ-4                                         | 0 | -                | 2060         | Frequency of unenthusiasm / disinterest in last 2 weeks                                                   |
| PHQ-4                                         | 0 | -                | 2070         | Frequency of tenseness / restlessness in last 2 weeks                                                     |
| PHQ-4                                         | 0 | -                | 2080         | Frequency of tiredness / lethargy in last 2 weeks                                                         |
| Conditions in the Healthspan Definition       |   |                  |              |                                                                                                           |
| Death                                         | - | Any              | 40000        | Date of death                                                                                             |
| Cancer                                        |   |                  |              |                                                                                                           |
| ICD-10                                        | - | J0-C97 excl. C   | 41280; 40005 | Date of first in-patient diagnosis - ICD10; Date of cancer diagnosis                                      |
| ICD-9                                         | - | 140-209 excl. 17 | 41281; 40005 | Date of first in-patient diagnosis - ICD9; Date of cancer diagnosis                                       |

|                          |   |     |             |                                                                                                   |
|--------------------------|---|-----|-------------|---------------------------------------------------------------------------------------------------|
| Diabetes                 | - | E10 | 130706      | Date E10 first reported (insulin-dependent diabetes mellitus)                                     |
| Diabetes                 | - | E11 | 130708      | Date E11 first reported (non-insulin-dependent diabetes mellitus)                                 |
| Diabetes                 | - | E12 | 130710      | Date E12 first reported (malnutrition-related diabetes mellitus)                                  |
| Diabetes                 | - | E13 | 130712      | Date E13 first reported (other specified diabetes mellitus)                                       |
| Diabetes                 | - | E14 | 130714      | Date E14 first reported (unspecified diabetes mellitus)                                           |
| Congestive heart failure | - | I50 | 131354      | Date I50 first reported (heart failure)                                                           |
| Myocardial infarction    | - | I21 | 131298      | Date I21 first reported (acute myocardial infarction)                                             |
| Myocardial infarction    | - | I22 | 131300      | Date I22 first reported (subsequent myocardial infarction)                                        |
| Myocardial infarction    | - | I23 | 131302      | Date I23 first reported (certain current complications following acute myocardial infarction)     |
| Myocardial infarction    | - | I24 | 131304      | Date I24 first reported (other acute ischaemic heart diseases)                                    |
| Myocardial infarction    | - | I25 | 131306      | Date I25 first reported (chronic ischaemic heart disease)                                         |
| Stroke                   | - | I60 | 131360      | Date I60 first reported (subarachnoid haemorrhage)                                                |
| Stroke                   | - | I61 | 131362      | Date I61 first reported (intracerebral haemorrhage)                                               |
| Stroke                   | - | I62 | 131364      | Date I62 first reported (other nontraumatic intracranial haemorrhage)                             |
| Stroke                   | - | I63 | 131366      | Date I63 first reported (cerebral infarction)                                                     |
| Stroke                   | - | I64 | 131368      | Date I64 first reported (stroke, not specified as haemorrhage or infarction)                      |
| COPD                     | - | J40 | 131484      | Date J40 first reported (bronchitis, not specified as acute or chronic)                           |
| COPD                     | - | J41 | 131486      | Date J41 first reported (simple and mucopurulent chronic bronchitis)                              |
| COPD                     | - | J42 | 131488      | Date J42 first reported (unspecified chronic bronchitis)                                          |
| COPD                     | - | J43 | 131490      | Date J43 first reported (emphysema)                                                               |
| COPD                     | - | J44 | 131492      | Date J44 first reported (other chronic obstructive pulmonary disease)                             |
| Dementia                 | - | F00 | 130836      | Date F00 first reported (dementia in alzheimer's disease)                                         |
| Dementia                 | - | F01 | 130838      | Date F01 first reported (vascular dementia)                                                       |
| Dementia                 | - | F02 | 130840      | Date F02 first reported (dementia in other diseases classified elsewhere)                         |
| Dementia                 | - | F03 | 130842      | Date F03 first reported (unspecified dementia)                                                    |
| Dementia                 | - | G30 | 131036      | Date G30 first reported (alzheimer's disease)                                                     |
| Dementia                 | - | G31 | 131038      | Date G31 first reported (other degenerative diseases of nervous system, not elsewhere classified) |
| MDD adverse outcomes     |   |     |             |                                                                                                   |
| Dementia                 | - | F00 | 130836      | Date F00 first reported (dementia in alzheimer's disease)                                         |
| Dementia                 | - | F01 | 130838      | Date F01 first reported (vascular dementia)                                                       |
| Dementia                 | - | F02 | 130840      | Date F02 first reported (dementia in other diseases classified elsewhere)                         |
| Dementia                 | - | F03 | 130842      | Date F03 first reported (unspecified dementia)                                                    |
| Dementia                 | - | G30 | 131036      | Date G30 first reported (alzheimer's disease)                                                     |
| Dementia                 | - | G31 | 131038      | Date G31 first reported (other degenerative diseases of nervous system, not elsewhere classified) |
| Death                    | - | Any | 40000       | Date of death                                                                                     |
| Proteomic aging measures |   |     |             |                                                                                                   |
| Proteins                 | 0 | -   | 30900       | Number of proteins measured                                                                       |
| Cognitive function       |   |     |             |                                                                                                   |
| Cognitive function       | 0 | -   | 20023       | Mean time to correctly identify matches                                                           |
| Cognitive function       | 0 | -   | 20016       | Fluid intelligence / reasoning                                                                    |
| Cognitive function       | 2 | -   | 23324       | Number of symbol digit matches made correctly                                                     |
| Cognitive function       | 2 | -   | 6350        | Duration to complete alphanumeric path (trail #2)                                                 |
| Cognitive function       | 2 | -   | 6373        | Matrix pattern completion                                                                         |
| IDP                      |   |     |             |                                                                                                   |
| Amygdala                 | 2 |     | 25888/25889 | Volume of grey matter in Amygdala                                                                 |

|                                                           |   |             |                                                                                              |
|-----------------------------------------------------------|---|-------------|----------------------------------------------------------------------------------------------|
| Angular Gyrus                                             | 2 | 25822/25823 | Volume of grey matter in Angular Gyrus                                                       |
| Brain-Stem                                                | 2 | 25892       | Volume of grey matter in Brain-Stem                                                          |
| Caudate                                                   | 2 | 25880/25881 | Volume of grey matter in Caudate                                                             |
| Central Opercular Cortex                                  | 2 | 25864/25865 | Volume of grey matter in Central Opercular Cortex                                            |
| Crus I Cerebellum                                         | 2 | 25900/25902 | Volume of grey matter in Crus I Cerebellum                                                   |
| Crus II Cerebellum                                        | 2 | 25903/25905 | Volume of grey matter in Crus II Cerebellum                                                  |
| Vermis Crus II Cerebellum                                 | 2 | 25904       | Volume of grey matter in Vermis Crus II Cerebellum                                           |
| Vermis Crus I Cerebellum                                  | 2 | 25901       | Volume of grey matter in Vermis Crus I Cerebellum                                            |
| I-IV Cerebellum                                           | 2 | 25893/25894 | Volume of grey matter in I-IV Cerebellum                                                     |
| IX Cerebellum                                             | 2 | 25915/25917 | Volume of grey matter in IX Cerebellum                                                       |
| Vermis IX Cerebellum                                      | 2 | 25916       | Volume of grey matter in Vermis IX Cerebellum                                                |
| V Cerebellum                                              | 2 | 25895/25896 | Volume of grey matter in V Cerebellum                                                        |
| VI Cerebellum                                             | 2 | 25897/25899 | Volume of grey matter in VI Cerebellum                                                       |
| VIIb Cerebellum                                           | 2 | 25906/25908 | Volume of grey matter in VIIb Cerebellum                                                     |
| Vermis VIIb Cerebellum                                    | 2 | 25907       | Volume of grey matter in Vermis VIIb Cerebellum                                              |
| VIIIa Cerebellum                                          | 2 | 25909/25911 | Volume of grey matter in VIIIa Cerebellum                                                    |
| Vermis VIIIa Cerebellum                                   | 2 | 25910       | Volume of grey matter in Vermis VIIIa Cerebellum                                             |
| VIIIb Cerebellum                                          | 2 | 25912/25914 | Volume of grey matter in VIIIb Cerebellum                                                    |
| Vermis VIIIb Cerebellum                                   | 2 | 25913       | Volume of grey matter in Vermis VIIIb Cerebellum                                             |
| Vermis VI Cerebellum                                      | 2 | 25898       | Volume of grey matter in Vermis VI Cerebellum                                                |
| X Cerebellum                                              | 2 | 25918/25920 | Volume of grey matter in X Cerebellum                                                        |
| Vermis X Cerebellum                                       | 2 | 25919       | Volume of grey matter in Vermis X Cerebellum                                                 |
| Cingulate Gyrus, anterior division                        | 2 | 25838/25839 | Volume of grey matter in Cingulate Gyrus, anterior division                                  |
| Cingulate Gyrus, posterior division                       | 2 | 25840/25841 | Volume of grey matter in Cingulate Gyrus, posterior division                                 |
| Cuneal Cortex                                             | 2 | 25844/25845 | Volume of grey matter in Cuneal Cortex                                                       |
| Frontal Pole                                              | 2 | 25782/25783 | Volume of grey matter in Frontal Pole                                                        |
| Frontal Medial Cortex                                     | 2 | 25830/25831 | Volume of grey matter in Frontal Medial Cortex                                               |
| Frontal Operculum Cortex                                  | 2 | 25862/25863 | Volume of grey matter in Frontal Operculum Cortex                                            |
| Frontal Orbital Cortex                                    | 2 | 25846/25847 | Volume of grey matter in Frontal Orbital Cortex                                              |
| Heschl's Gyrus (includes H1 and H2)                       | 2 | 25870/25871 | Volume of grey matter in Heschl's Gyrus (includes H1 and H2)                                 |
| Hippocampus                                               | 2 | 25886/25887 | Volume of grey matter in Hippocampus                                                         |
| Inferior Frontal Gyrus, pars opercularis                  | 2 | 25792/25793 | Volume of grey matter in Inferior Frontal Gyrus, pars opercularis                            |
| Inferior Frontal Gyrus, pars triangularis                 | 2 | 25790/25791 | Volume of grey matter in Inferior Frontal Gyrus, pars triangularis                           |
| Inferior Temporal Gyrus, anterior division                | 2 | 25808/25809 | Volume of grey matter in Inferior Temporal Gyrus, anterior division                          |
| Inferior Temporal Gyrus, posterior division               | 2 | 25810/25811 | Volume of grey matter in Inferior Temporal Gyrus, posterior division                         |
| Inferior Temporal Gyrus, temporooccipital part            | 2 | 25812/25813 | Volume of grey matter in Inferior Temporal Gyrus, temporooccipital part                      |
| Insular Cortex                                            | 2 | 25784/25785 | Volume of grey matter in Insular Cortex                                                      |
| Intracalcarine Cortex                                     | 2 | 25828/25829 | Volume of grey matter in Intracalcarine Cortex                                               |
| Juxtapositional Lobule Cortex (formerly Supplementary Mot | 2 | 25832/25833 | Volume of grey matter in Juxtapositional Lobule Cortex (formerly Supplementary Motor Cortex) |
| Lateral Occipital Cortex, inferior division               | 2 | 25826/25827 | Volume of grey matter in Lateral Occipital Cortex, inferior division                         |
| Lateral Occipital Cortex, superior division               | 2 | 25824/25825 | Volume of grey matter in Lateral Occipital Cortex, superior division                         |
| Lingual Gyrus                                             | 2 | 25852/25853 | Volume of grey matter in Lingual Gyrus                                                       |
| Middle Frontal Gyrus                                      | 2 | 25788/25789 | Volume of grey matter in Middle Frontal Gyrus                                                |
| Middle Temporal Gyrus, anterior division                  | 2 | 25802/25803 | Volume of grey matter in Middle Temporal Gyrus, anterior division                            |
| Middle Temporal Gyrus, posterior division                 | 2 | 25804/25805 | Volume of grey matter in Middle Temporal Gyrus, posterior division                           |

|                                              |   |             |                                                                                                |
|----------------------------------------------|---|-------------|------------------------------------------------------------------------------------------------|
| Middle Temporal Gyrus, temporooccipital part | 2 | 25806/25807 | Volume of grey matter in Middle Temporal Gyrus, temporooccipital part                          |
| Occipital Fusiform Gyrus                     | 2 | 25860/25861 | Volume of grey matter in Occipital Fusiform Gyrus                                              |
| Occipital Pole                               | 2 | 25876/25877 | Volume of grey matter in Occipital Pole                                                        |
| Pallidum                                     | 2 | 25884/25885 | Volume of grey matter in Pallidum                                                              |
| Paracingulate Gyrus                          | 2 | 25836/25837 | Volume of grey matter in Paracingulate Gyrus                                                   |
| Parahippocampal Gyrus, anterior division     | 2 | 25848/25849 | Volume of grey matter in Parahippocampal Gyrus, anterior division                              |
| Parahippocampal Gyrus, posterior division    | 2 | 25850/25851 | Volume of grey matter in Parahippocampal Gyrus, posterior division                             |
| Parietal Operculum Cortex                    | 2 | 25866/25867 | Volume of grey matter in Parietal Operculum Cortex                                             |
| Planum Polare                                | 2 | 25868/25869 | Volume of grey matter in Planum Polare                                                         |
| Planum Temporale                             | 2 | 25872/25873 | Volume of grey matter in Planum Temporale                                                      |
| Postcentral Gyrus                            | 2 | 25814/25815 | Volume of grey matter in Postcentral Gyrus                                                     |
| Precentral Gyrus                             | 2 | 25794/25795 | Volume of grey matter in Precentral Gyrus                                                      |
| Precuneous Cortex                            | 2 | 25842/25843 | Volume of grey matter in Precuneous Cortex                                                     |
| Putamen                                      | 2 | 25882/25883 | Volume of grey matter in Putamen                                                               |
| Subcallosal Cortex                           | 2 | 25834/25835 | Volume of grey matter in Subcallosal Cortex                                                    |
| Superior Frontal Gyrus                       | 2 | 25786/25787 | Volume of grey matter in Superior Frontal Gyrus                                                |
| Superior Parietal Lobule                     | 2 | 25816/25817 | Volume of grey matter in Superior Parietal Lobule                                              |
| Supracalcarine Cortex                        | 2 | 25874/25875 | Volume of grey matter in Supracalcarine Cortex                                                 |
| Supramarginal Gyrus, anterior division       | 2 | 25818/25819 | Volume of grey matter in Supramarginal Gyrus, anterior division                                |
| Supramarginal Gyrus, posterior division      | 2 | 25820/25821 | Volume of grey matter in Supramarginal Gyrus, posterior division                               |
| Superior Temporal Gyrus, anterior division   | 2 | 25798/25799 | Volume of grey matter in Superior Temporal Gyrus, anterior division                            |
| Superior Temporal Gyrus, posterior division  | 2 | 25800/25801 | Volume of grey matter in Superior Temporal Gyrus, posterior division                           |
| Temporal Fusiform Cortex, anterior division  | 2 | 25854/25855 | Volume of grey matter in Temporal Fusiform Cortex, anterior division                           |
| Temporal Fusiform Cortex, posterior division | 2 | 25856/25857 | Volume of grey matter in Temporal Fusiform Cortex, posterior division                          |
| Temporal Occipital Fusiform Cortex           | 2 | 25858/25859 | Volume of grey matter in Temporal Occipital Fusiform Cortex                                    |
| Temporal Pole                                | 2 | 25796/25797 | Volume of grey matter in Temporal Pole                                                         |
| Thalamus                                     | 2 | 25878/25879 | Volume of grey matter in Thalamus                                                              |
| Ventral Striatum                             | 2 | 25890/25891 | Volume of grey matter in Ventral Striatum                                                      |
| Vol of accumbens                             | 2 | 25023/25024 | Volume of accumbens (from T1 brain image)                                                      |
| Vol of amygdala                              | 2 | 25021/25022 | Volume of amygdala (from T1 brain image)                                                       |
| Vol of caudate                               | 2 | 25013/25014 | Volume of caudate (from T1 brain image)                                                        |
| Vol of hippocampus                           | 2 | 25019/25020 | Volume of hippocampus (from T1 brain image)                                                    |
| Vol of pallidum                              | 2 | 25017/25018 | Volume of pallidum (from T1 brain image)                                                       |
| Vol of putamen                               | 2 | 25015/25016 | Volume of putamen (from T1 brain image)                                                        |
| Vol of thalamus                              | 2 | 25011/25012 | Volume of thalamus (from T1 brain image)                                                       |
| Total Vol of Peri-Ventricular WMH            | 2 | 24485       | Total volume of peri-ventricular white matter hyperintensities                                 |
| Total Vol of Deep WMH                        | 2 | 24486       | Total volume of deep white matter hyperintensities                                             |
| Whole Brain                                  | 2 | 26518       | Volume of TotalGray in the whole brain generated by subcortical volumetric segmentation (aseg) |
| Total Vol of WMH                             | 2 | 25781       | Total volume of white matter hyperintensities (from T1 and T2_FLAIR images)                    |

PAC, HPS, and the brain proteomic aging clock GWAS

|                                       |   |   |       |                                             |
|---------------------------------------|---|---|-------|---------------------------------------------|
| Genetically determined European       | - | - | 22026 | Genetic ethnic grouping                     |
| Genotyped data                        | - | - | 22418 | Genotype calls                              |
| Imputed genotype data                 | - | - | 22828 | Imputation from genotype (WTCHG)            |
| Poor genotype quality                 | - | - | 22027 | Outliers for heterozygosity or missing rate |
| Top genetic principal components 1-20 | - | - | 22009 | Genetic principal components                |

|                            |   |   |       |                              |
|----------------------------|---|---|-------|------------------------------|
| Age                        | - | - | 21022 | Age at recruitment           |
| Sex                        | - | - | 31    | Sex                          |
| Baseline assessment center | 0 | - | 54    | UK Biobank assessment centre |
| Genotyping array           | - | - | 22000 | Genotype measurement batch   |