

ADNI Commonly Used Tables

To aid in locating specific data files on the Study Data page (click on Download and then Study Data after logging in at <http://adni.loni.usc.edu/data-samples/access-data/>), we step through the different sections of the page and identify some of the more commonly used data tables from each section. In bolded text, you will find the file descriptor as seen on the Study Data page. In parentheses, we provide the specific filename for once you download the file.

- Assessments
 - ALL Diagnosis
 - * **Diagnostic Summary [ADNI1,GO,2,3]:** Diagnosis by each visit code (DXSUM_PDXCONV_ADNIALL.csv)
 - ALL Neuropsychological
 - * **ADAS Sub-Scores and Total Scores[ADNI1]:** ADAS-Cog scores in ADNI1. Key variables: TOTAL11 (11 items score), TOTALMOD (13 items score) (ADASSCORES.csv)
 - * **Alzheimer’s Disease Assessment Scale(ADAS) [ADNIGO,2,3]:** ADAS-Cog scores in ADNIGO/2/3. Key variables: TOTSCORE (11 items score), TOTAL13 (13 items score) (ADAS_ADNIGO23.csv)
 - * **Clinical Dementia Rating Scale(CDR)[ADNI1,GO,2,3]:** Key variables: 6 domains (CDMEMORY, CDORIENT, CDJUDGE, CDCOMMUN, CDHOME, and CDCARE), and global (CDGLOBAL) scores are available. For ADNI3, CDR sum of boxes (CDRSOB) score is available. (CDR.csv)
 - * **Everyday Cognition - Participant Self Report[ADNIGO,2,3]:** Create each domain score by taking average (if at least half of the items are not missing for each domain). Total score use 39 items. (Note: VISSPAT5 is a duplicated field per DATADIC.csv in ADNIGO2 with VISSPAT8 incorporating the final item for this domain, but VISSPAT5 is a valid variable in ADNI3 (VISSPAT8 is missing in ADNI3)) (ECOGPT.csv)
 - * **Functional Activities Questionnaires(FAQ)[ADNI1,GO,2,3]:** Key variable: FAQTOTAL score (FAQ.csv)
 - * **Mini-Mental State Examination(MMSE)[ADNI1,GO,2,3]:** Key variable: MMSCORE (MMSE.csv)
 - * **Neuropsychological Battery[ADNI1,GO,2,3]:** Neuropsychological test scores. Key variables: LIMM-TOTAL (immediate recall total score), LDELTOTAL (delayed recall total), AVTOT1-AVTOT5 (Rey Auditory Verbal Learning Test trial scores)) (NEUROBAT.csv)
 - * **UW - Neuropsych Summary Scores [ADNI1,GO,2,3]:** Memory and executive function composite scores. (UWNPSYCHSUM.csv)
- Biospecimen
 - ALL Biospecimen Results
 - * **ApoE-Results[ADNI1,GO,2]:** Contains ApoE Genotyping results. (APOERES.csv)
 - * **UPENN CSF Biomarker Master [ADNI1,GO,2]:** Combines information from the series of 8 CSF datasets from ADNI1/GO/2 for abeta, tau, ptau. (UPENNBIOMK_MASTER.csv)
 - * **UPENN CSF Biomarker Master Methods (PDF):**. This methods document explains how to use UPENNBIOMK_MASTER data.
 - * **UPENN CSF Biomarkers Elecsys [ADNI1,GO,2]:** CSF abeta, tau, ptau results using the fully automated Roche Elecsys immunoassay. (UPENNBIOMK9.csv)
 - * **UPENN CSF Biomarker Elecsys Methods (PDF):** Methods document for UPENN biomarker Elecsys data
 - * **CSF Multiplex Proteomics, Serum Autoantibody, Redox reactive autoantibodies data, etc.** are also available. (with data dictionaries and methods documents.)

ADNI Commonly Used Tables

- ALL Lab Collection Procedures
 - * **Laboratory Data[ADNI1,GO]:** Screening clinical lab results (i.e. urine, chemistry panel). Data contains some character coding (i.e. SCC09: No specimen received). Lab Test Code List is also available to download (in the previous section). (LABDATA.csv)
- Enrollment
 - ALL Enrollment
 - * **ADNI2 Visit Codes Lookup[ADNI2]:** VISCODE2 assignment for ADNI2. VISCODE2 will tell you the longitudinal visit codes for each person in ADNI2 (i.e. m12, m24) - VISCODE2 is now incorporated into the other data tables (ADNI2_VISITID.csv)
 - * **Arm[ADNI1,GO,2]:** ADNI1:Randomized arm assignment. ADNIGO/2: Screening diagnosis (1:NL, 2:MCI (LMCI in ADNI2), 3:AD, 10:EMCI, 11:SMC) (ARM.csv)
 - * **Registry[ADNI1,GO,2,3]:** Contains key variables such as EXAMDATE, whether a visit was conducted, and participant status by each visit.(REGISTRY.csv)
 - * **Visits[ADNI1,GO,2,3]:** Dictionary of VISCODE (VISITS.csv)
- Genetic
 - This section has some information about the genetics data
 - SNP genotype data are available in several zip files (click on Download at the top of the page and then Genetic Data).
- Imaging
 - ALL MR Image Analysis (Each data file has a corresponding data dictionary and methods document; data files often have date of upload in the filename)
 - * **Fox Lab - BSI Measures [ADNI1,GO,2,3]:** Brain, Hippocampal, and Ventricular Boundary Shift Integral in ADNI1/GO/2. Key variables: VBSI: ventricular BSI, DBCBBSI: Whole brain classic BSI, KM-NDBCBSI: Whole brain KN-BSI, HBSI_R, HBSI_L: Hippocampal BSI Right/Left. (FOXLABBSI.csv)
 - * **Mayo (Jack Lab) - Default Mode Network Connectivity[ADNIGO/2]:** fMRI summary in ADNIGO/2. Key variables: PDMNRV: Posterior default mode network(DMN) RV, DMNRVR: DMN RV-ratio (MAYOADRIL_MRI_FMRI.csv)
 - * **Mayo (Jack Lab) TBM-SyN Based Scores[ADNIGO/2]:** longitudinal MRI measures in ADNIGO/2. Key variable: TBMSYNSCOR: mean over 31 ROIs. (MAYOADRIL_MRI_TBMSYN.csv)
 - * **MRI Infacts[ADNI1,GO,2]:** longitudinal records of MRI detected strokes. Key variable: STROKE_TYPE: thrombosis or hemorrhage. (MRIINFARCTS.csv)
 - * **UCD Total Cranial Vault Segmentation[ADNI1]:** Total cranial volumes for 810 ADNI1 subjects. Key variable: T2TCV: T2 total intracranial volume (TCV.csv)
 - * **UCD - White Matter Hyperintensity Volumes [ADNI1]:** Whole brain white matter hyperintensity in ADNI1. Key variable: WHITMATHYP: white matter hyperintensity volume – whole brain (UCD_ADNI1_WMH.csv)
 - * **UCD - White Matter Hyperintensity Volumes [ADNI2]:** Whole brain white matter hyperintensity in ADNI2. Key variables: WHITMATHYP: white matter hyperintensity volume, ICV: intracranial volume (UCD_ADNI2_WMH.csv)
 - * **UCL-Boundary Shift Integral Summaries[ADNI1]:** Boundary Shift Integral in ADNI1. (BSI.csv)
 - * **UCLA DTI ROI Summary Measures[ADNIGO/2]:** Diffusion Tensor Imaging Summary in ADNIGO/2, including FA and MD in a variety of regions. (DTIROI.csv)

ADNI Commonly Used Tables

- * **UCSF ASL Perfusion CBF by FreeSurfer ROI[ADNIGO/2]:** Cerebral blood flow (CBF) measures in ADNIGO/2 for FreeSurfer ROIs. (UCSFASLFS.csv)
- * **UCSF - Cross Sectional FreeSurfer (5.1) [ADNI1,GO,2]:** MRI measures (volumes and cortical thickness) for 3T MRI in ADNIGO/2. Some variable names are different from Version 4.3. whole brain volume: replace ST19SV, ST20SV, ST78SV, SV79SV (version 4.3 variables) with ST147SV ST148SV ST150SV ST151SV (version 5.1 variables). (UCSFFSX51.csv)
- * **UCSF - Cross-Sectional FreeSurfer (FreeSurfer Version 4.3):** MRI measures (volumes and cortical thickness) for 1.5T MRI in ADNI1. Key variables: hippocampal volume=(ST29SV+ST88SV)/2, whole brain volume= sum(of ST128SV ST17SV ST18SV ST19SV ST20SV ST61SV ST16SV ST53SV ST42SV ST29SV ST12SV ST11SV ST65SV ST76SV ST77SV ST78SV ST79SV ST120SV ST75SV ST112SV ST101SV ST88SV ST71SV ST70SV ST124SV) (UCSFFSX.csv)
- * **UCSF-Longitudinal FreeSurfer(FreeSurfer Version 5.1) - All Available Base Image [ADNIGO,2]:** MRI measures using longitudinal pipeline in FreeSurfer for ADNIGO/2. (UCSFFSL51ALL.csv)
- * **UCSF-Longitudinal FreeSurfer(FreeSurfer Version 4.4) [ADNI1]:** MRI measures using longitudinal pipeline in FreeSurfer for ADNI1. (UCSFFSL.csv)
- * **USC - Tensor Based Morphometry Versions 2.0 and 2.1[ADNI1/GO/2]:** Tensor-based morphometry in ADNIGO/2. Key variable: MEASURE_1: Numerical summary of cumulative temporal lobe atrophy; summaries are scaled by 1000 (e.g. 1000: no change, 1200: 20% increase, 800: 20% loss) (TBM.csv)
- ALL PET Image Analysis (Each data file has a corresponding data dictionary and methods document; data files often have date of upload in the filename)
 - * **BAI - PET NMRC Summaries[ADNI1,GO,2,3]:** SPM summary from FDG-PET (ADNI1/GO/2/3) and AV45 (ADNIGO/2/3). Key variable: HCI: hypometabolic convergence index (BAIPETNMRC.csv)
 - * **UC Berkeley - AV1451 analysis[ADNI2,3]:** AV1451 PET (Tau PET) measures in ADNI2/3. (UCBERKELEYAV1451.csv)
 - * **UC Berkeley - AV45 Analysis[ADNIGO,2,3]:** AV45 PET (Amyloid PET) measures in ADNIGO/2/3. Key variable: SUMMARYSUVR_WHOLECEREBNORM: Summary variable (cutoff: 1.11). (UCBERKELEYAV45.csv)
 - * **UC Berkeley - FDG Analysis[ADNI1/GO/2]:** FDG PET measures in ADNI1/GO/2. Each scan has five regions of measures (5 rows in the datafile). To create summary variable: take average of the variable MEAN of 5 regions: L+R Temporal, L+R Angular, Post Cingulate. (UCBERKELEYFDG.csv)
 - * **UU-PET Analysis (Norman Foster) [ADNI1/GO/2]:** Derived from Neurostat SSP analysis from PIB, FDG, AV45 PET in ADNI1/GO/2. Key variables: SUMZ2:sum of pixel Z-scores greater than or equal to 2 standard deviations, SUMZ3:sum of pixel Z-scores greater than or equal to 3 standard deviations, PETTYPE: FDG, PIB or AV45. VISCODE/VISCODE2 may be missing in the data. (UUCACIR.csv)
- Study Info
 - ALL Data & Databases
 - * **ADNI 1.5T MRI Standardized Lists, ADNI 3T MRI Standardized Lists:** Standardized analysis sets of volumetric scans from ADNI1. (ADNI_1.5T_MRI_Standardized_Lists.zip, ADNI_3T_MRI_Standardized_Lists.zip)
 - * **Data dictionary[ADNI1,GO,2,3]:** Data dictionary for most clinical data. (DATADIC.csv)
 - * **Key ADNI tables merged into one table:** This datafile contains some of the key variables in one table. (ADNIMERGE.csv)
 - * **Merged ADNI1/GO/2 Packages:** ADNI Merge packages for R, SAS, SPSS, and Stata.

ADNI Commonly Used Tables

- Subject Characteristics
 - ALL Family History
 - * **Family History-Parents[ADNI3]:** History of dementia in parents for ADNI3 participants. (FAMXHPAR.csv)
 - * **Family History-Sibling Log[ADNI3]:** History of dementia in siblings for ADNI3 participants. (FAMXHSIB.csv)
 - * **Family History Questionnaire Subtable[ADNI1,GO,2]:** History of dementia in siblings for participants in ADNI1/GO/2 (RECFHQ.csv)
 - * **Family History Questionnaire[ADNI1,GO,2]:** History of dementia in parents and whether the participant has siblings for participants in ADNI1/GO/2. (FHQ.csv)
 - ALL Subject Demographics
 - * **Subject Demographics[ADNI1,GO,2,3]:** Demographic information at screening. (PTDEMOG.csv)