

This data was obtained from Xiao Y, Wang J, Huang K, Gao L, and Yao S (2023), Progressive structural and covariance connectivity abnormalities in patients with Alzheimer's disease, *Front. Aging Neurosci.* **14**:1064667.

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Original Data Source:

https://github.com/YaqiongXiao/Progressive.changes.GM.AD/tree/main/datafile/tidy_datafile.xlsx

Variables in this dataset:

- subject_ID (categorical): an ID number used to de-identify the subjects
- diagnosis (categorical): AD (Alzheimer's disease) or HC (normal, healthy controls)
- gmV (numerical): total gray matter volume, in cc
- wmv (numerical): total white matter volume, in cc
- csf (numerical): total cerebrospinal fluid volume, in cc
- lStg (numerical): volume of left superior temporal gyrus, in cc
- rStg (numerical): volume of right superior temporal gyrus, in cc
- lcaudate (numerical): volume of left caudate nucleus, in cc
- sex (numerical): 1 = female, 2 = male
- weight (numerical): weight, in kg
- age (numerical): age, in years
- cdr (numerical): Global Clinical Dementia rating: 0 = no impairment, 0.5 = questionable, 1 = mild impairment, 2 = moderate impairment, 3 = severe impairment
- mmse (numerical): score on the Mini-Mental State Examination (0-30); differing sources give either 24 or 25 as the lowest score indicating normal cognition
- moca (numerical): score on the Montreal Cognitive Assessment (0-30): 26-30 = normal cognition, 18-25 = mild impairment, 10-17 = moderate impairment, 0-9 = severe impairment