nature research

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Reporting Summary

Nature Research wishes to improve the reproducibility of the work that we publish. This form provides structure for consistency and transparency in reporting. For further information on Nature Research policies, see our Editorial Policies and the Editorial Policy Checklist.

Software and code

Policy information about <u>availability of computer code</u>

Data collection None
Data analysis SAS 9.4

For manuscripts utilizing custom algorithms or software that are central to the research but not yet described in published literature, software must be made available to editors and reviewers. We strongly encourage code deposition in a community repository (e.g. GitHub). See the Nature Research guidelines for submitting code & software for further information.

Data

Policy information about $\underline{availability\ of\ data}$

All manuscripts must include a <u>data availability statement</u>. This statement should provide the following information, where applicable:

- Accession codes, unique identifiers, or web links for publicly available datasets
- A list of figures that have associated raw data
- A description of any restrictions on data availability

All data can be found in the public NACC v. 10 Neuropathology database

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Outcomes

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All studies must disclose	on these points even when the disclosure is negative.			
Sample size All c	All cases were utilized (with the exception noted below)			
Data exclusions Case	Cases with ages at death of < 50 years were excluded.			
Replication	We utilized the NACC database. Other investigators can replicate our findings in this public database.			
Randomization NA.	NA. Allocation was based on APOE genotype.			
Blinding NA.	NA. All data were available at the time of analysis.			
We require information fro	n/a Involved in the study ChIP-seq Flow cytometry MRI-based neuroimaging er organisms participants h of concern			
Policy information about <u>studies involving human research participants</u>				
Population characteristic	Post-mortem samples			
Recruitment	Data came from Alzheimer Disease Center sites			
Ethics oversight	NA			
Note that full information on the approval of the study protocol must also be provided in the manuscript. Clinical data				
Policy information about clinical studies All manuscripts should comply with the ICMJE guidelines for publication of clinical research and a completed CONSORT checklist must be included with all submissions.				
Clinical trial registration	Provide the trial registration number from ClinicalTrials.gov or an equivalent agency.			
Study protocol	Note where the full trial protocol can be accessed OR if not available, explain why.			
Data collection	Describe the settings and locales of data collection, noting the time periods of recruitment and data collection.			

Describe how you pre-defined primary and secondary outcome measures and how you assessed these measures.