

Data S2: Biobank and cohort acknowledgements

Biobank of the Americas

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China Kadoorie Biobank collaborative group

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Contribution: All authors contributed to securing funding, study design and oversight. All authors reviewed the final version of the manuscript.

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Contribution: JW, ML, FV, SD oversight of lab operations. ML, FV, AK, SD, TT, LM perform sample processing. NH, JD are responsible for sample tracking and the laboratory information management system.

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Contribution: All authors contributed to the development and validation of clinical phenotypes used to identify study subjects and (when applicable) controls.

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PI: Ben Neale, Claire Churchhouse

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Website for Pan-UKBB results can be found: <https://pan.ukbb.broadinstitute.org/>

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