Details of the UK Biobank neuroimaging protocol

Briefly, participants were scanned across four centres in Central, North, South-East and South-West England. A centralised team trained and monitored quality assurance across all four centres, with staff members having undergone extensive training with an MR physicist. Harmonisation of data across centres was assured by employing the same scanner models, software, adjustment and tuning techniques, coil types and protocols. A standardised training programme is provided for radiographers in each centre and standard operating procedures, alongside phantom measurements, servicing and performance checks that are conducted by a UKB physicist. Qualitative and quantitative comparisons are performed by external imaging experts to confirm that images are of high quality and suitable for research.