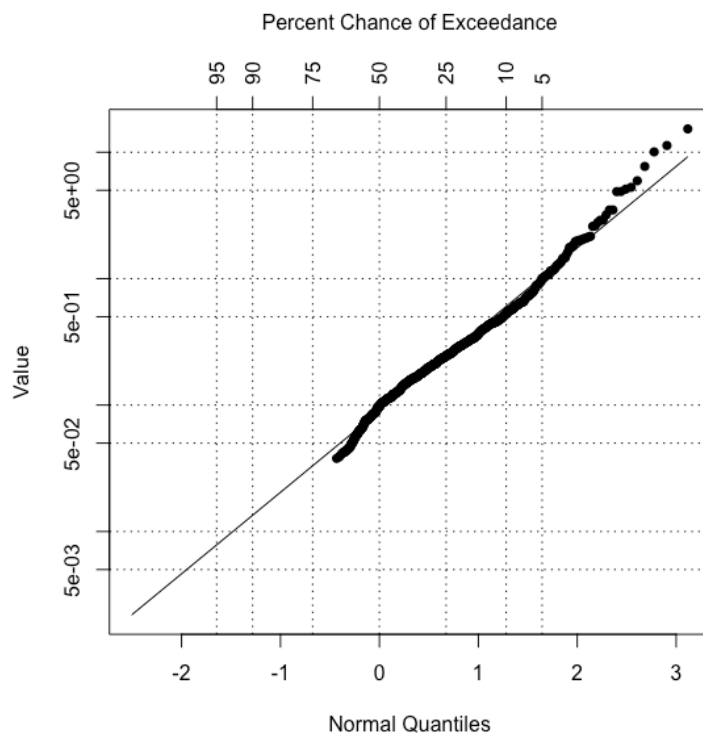


Supplementary Information for:

Lead and manganese levels in serum and erythrocytes in Alzheimer's disease and mild cognitive impairment: Results from the Australian Imaging, Biomarkers and Lifestyle Flagship Study of Ageing

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Supplementary Figure S1: Probability plot of all serum lead data, showing fit to a log-normal distribution.

Supplementary Table S1: Summary of statistics for the serum lead difference between diagnostic groups. $^a \mu\text{g L}^{-1}$

Diagnostic classification	<i>n</i>	<i>n</i> _{left censored}	Median ^a	Mean ^a	Standard deviation
HC	758	293	0.089	0.297	0.938
MCI	129	43	0.106	0.280	0.602
AD	206	75	0.110	0.262	0.604

Supplementary Table S2: Summary of statistics for the serum manganese difference between diagnostic groups. $^a \mu\text{g L}^{-1}$

DX	mean	median	range
HC (758)	0.923 (0.699)	0.783	0.444 - 11.408
MCI (129)	0.851 (0.368)	0.774	0.493 - 4.335
AD (206)	0.819 (0.253)	0.768	0.427 - 1.974

Supplementary Table S3: ANOVA (type II test) of manganese variables.

	Sum of squares	<i>D_f</i>	<i>F</i> -value	<i>p</i> (> <i>F</i>)
Age	2.148×10^{-5}	1	2.049×10^{-4}	0.989
Clinical classification	1.293	2	6.17	0.002
Sex	0.647	1	6.169	0.014
Collection site	4.743	1	45.26	2.791×10^{-11}
Assay date	8.236	5	15.72	5.861×10^{-15}
Residuals	113.4	1083	-	-

Supplementary Table S4: Summary of statistics for erythrocyte lead and manganese difference between diagnostic groups. $^a \mu\text{g L}^{-1}$

DX	Pb mean (sd)	Pb median	Pb range	Mn mean (sd)	Mn median	Mn range
HC (40)	2.025 (1.088)	1.789	0.62 - 4.485	0.589 (0.256)	0.580	0.128 - 1.423
AD (39)	1.993 (1.119)	1.676	0.366 - 6.009	0.647 (0.339)	0.582	0.111 - 1.857