

SUPPLEMENTARY DATA

Supplementary Table 1: General linear models testing the unadjusted interactions between sex and inflammation burden on 2-year depressive symptoms in the SOUL-D cohort after multiple imputation

i) Pair wise comparisons between males and females within low- and elevated inflammation groups: adjusted for baseline depressive symptoms only^a							
Inflammation burden	(I) Sex	(J) Sex	Mean Difference (I-J)	Std. Error	Sig.	95% CI Lower Bound	95% CI Upper Bound
Low	Male	Female	0.07	0.07	0.52	-0.07	0.21
Elevated	Male	Female	-0.28	0.07	<0.001***	-0.43	-0.14
ii) Pair wise comparisons between males and females within low- and elevated inflammation groups: fully adjusted^b							
Inflammation burden	(I) Sex	(J) Sex	Mean Difference (I-J)	Std. Error	Sig.	95% CI Lower Bound	95% CI Upper Bound
Low	Male	Female	0.08	0.07	0.23	-0.06	0.22
Elevated	Male	Female	-0.27	0.08	<0.001***	-0.43	-0.11

Outcome is estimated marginal mean Patient Health Questionnaire-9 (PHQ-9) score (natural log-transformed) at 2 years. a) Adjusted only for baseline PHQ-9 score (natural log-transformed). b) Adjusted for baseline PHQ-9 score (natural log-transformed), age, non-white ethnicity, body mass index, baseline systolic blood pressure, baseline smoking status, baseline serum cholesterol, baseline HbA_{1c}, prescription of anti-inflammatory medication, and prescription of antidepressant medication. Key: CI, confidence interval.