

**Supplementary Table 1.** Distribution of inflammatory biomarkers in male participants ( $n=1,426$ )

Biomarker	No. of measurement	No. of ND measurement	Mean	Standard deviation	Minimum	25th percentile	Median	75th percentile	90th percentile	95th percentile	99th percentile	Maximum
Including ND measurements												
TNF- $\alpha$ , pg/mL	458	0	22.68	28.65	0.47	9.73	14.51	23.42	39.99	76.12	157.74	258.09
TNF- $\beta$ , pg/mL	127	94	19.00	164.70	0.00	0.00	0.00	0.00	1.31	9.48	178.94	1,840
IL-1 $\alpha$ , pg/mL	458	318	89.84	283.58	0.00	0.00	0.00	8.33	249.77	647.87	1,380	2,509
IL-1 $\beta$ , pg/mL	458	25	6.20	22.09	0.00	0.23	0.69	2.63	10.96	32.99	143.32	276.47
hsIL-1 $\beta$ , pg/mL	331	0	1.10	1.40	0.20	0.50	0.70	1.20	2.00	3.30	6.50	15.20
IL-6, pg/mL	458	23	27.43	65.30	0.00	0.14	1.38	14.37	89.78	168.45	345.97	485.71
hsIL-6, pg/mL	331	0	1.63	4.70	0.31	0.60	0.83	1.30	2.11	3.42	14.06	69.60
MCP-1, pg/mL	458	0	781.76	289.61	103.42	576.37	753.01	927.38	1,132.00	1,256.00	1,843.00	2,145.00
MCP-3, pg/mL	458	298	20.92	53.10	0.00	0.00	0.00	16.02	73.58	115.10	256	525.80
hsCRP, mg/L	1,426	0	1.77	4.72	0.04	0.38	0.65	1.39	3.26	6.28	21.53	88.49
Excluding ND measurements												
TNF- $\beta$ , pg/mL	33	-	73.11	320.52	0.01	0.13	0.56	6.38	120.88	178.94	1,840	1,840
IL-1 $\alpha$ , pg/mL	140	-	293.91	451.64	0.03	15.57	74.54	413.38	940.64	1,282.50	2,233	2,509
IL-1 $\beta$ , pg/mL	433	-	6.56	22.67	0.01	0.31	0.77	2.82	12.88	33.86	143.32	276.47
IL-6, pg/L	435	-	28.88	66.70	0.01	0.20	1.90	19.46	94.72	170.20	345.97	485.71
MCP-3, pg/mL	160	-	59.87	75.87	0.01	12.47	39.31	80.09	127.49	194.87	480.20	525.80

ND, non-detectable; TNF, tumor necrosis factor; IL, interleukin; hsIL, high sensitivity interleukin; MCP, monocyte chemoattractant protein; hsCRP, high sensitivity C-reactive protein.