

Supplemental Table 1. Baseline characteristics of study sample vs. participants excluded due to missing MCP-1 value

Variable	Included in cohort N=3,257	Excluded from cohort N=46	<i>P</i> value
Age, years, median (IQR)	43.0 (36.0, 52.0)	43.0 (35.0, 49.0)	0.64
Female sex, N (%)	1823 (56.0)	24 (52.2)	0.61
Race, N (%)			0.16
Black	1698 (52.1)	18 (39.1)	
White	936 (28.8)	19 (41.3)	
Hispanic	555 (17.0)	7 (15.2)	
Other	68 (2.1)	2 (4.4)	
Current smoker, N (%)	1475 (45.4)	28 (60.9)	0.04
Hypertension, N (%)	1175 (36.1)	14 (30.4)	0.43
Diabetes mellitus, N (%)	389 (11.9)	7 (15.2)	0.50
Hyperlipidemia, N (%)	421 (13.0)	6 (13.3)	0.95
Prior CV disease, N (%) ^a	240 (7.4)	2 (4.4)	0.43
Blood pressure, mmHg			
Systolic, median (IQR)	124.2 (114.9, 135.8)	112.7 (133.3, 132.1)	0.54
Diastolic, median (IQR)	77.9 (72.7, 84.0)	78.1 (73.4, 84.1)	0.66
BMI, kg/m ² , median (IQR)	28.5 (24.6, 33.3)	27.4 (24.1, 31.9)	0.13
Total cholesterol, mg/dL, median (IQR)	177.0 (154.0, 203.0)	175.0 (139.0, 196.0)	0.22
HDL cholesterol, mg/dL, median (IQR)	47.0 (40.0, 57.0)	48.0 (38.0, 57.0)	0.99
ACR, mg/g, median (IQR)	2.9 (1.9, 5.5)	2.5 (1.9, 4.0)	0.28
ACR, mg/g, mean (SD)	21.6 (190.3)	40.2 (234.2)	0.28
Estimated GFR, mL/min/1.73 m ² , median (IQR)	98.0 (84.6, 113.2)	102.9 (22.4)	0.39

ACR, urine albumin-to-creatinine ratio; BMI, body mass index; CKD, chronic kidney disease; CV, cardiovascular; DHS, Dallas Heart Study; GFR, glomerular filtration rate; HDL, high density lipoprotein; IQR, interquartile range; MCP-1, monocyte chemoattractant protein-1

^aPrior cardiovascular disease was defined as self-reported history of prior myocardial infarction, revascularization, heart failure, or stroke.

Supplemental Table 2. Baseline ACR and eGFR of the cohort by quartile of MCP-1 and CKD subgroup

Entire Cohort, N=3,257				
Variable	Quartile of MCP-1 (range, pg/mL)			
	Q1 (1.7-122.4) N=813	Q2 (122.6-167.1) N=816	Q3 (167.4-225.6) N=814	Q4 (225.7-2011.0) N=814
ACR, mg/g, median (IQR)	2.8 (1.8, 4.8)	2.9 (1.8, 5.2)	3.0 (1.9, 5.8)	3.1 (1.8, 6.9) ^{abe}
ACR, mg/g, mean (SD)	8.1 (31.1)	13.8 (68.5)	22.0 (166.2)	42.4 (333.3) ^{abe}
Estimated GFR, mL/min/1.73 m ² , median (IQR)	100.9 (88.3, 116.3)	99.0 (85.4, 113.0)	97.0 (83.6, 111.5)	94.7 (80.6, 112.1) ^{abcdefg}
Non-CKD, N=2,971				
Variable	Quartile of MCP-1 (range, pg/mL)			
	Q1 (1.7-120.2) N=743	Q2 (120.3-164.6) N=742	Q3 (164.7-220.9) N=743	Q4 (221.0-2011.0) N=743
ACR, mg/g, median (IQR)	2.6 (1.8, 4.4)	2.7 (1.8, 4.4)	2.7 (1.8, 4.7)	2.8 (1.7, 4.7)
ACR, mg/g, mean (SD)	3.8 (3.6)	3.8 (3.5)	3.9 (3.5)	4.1 (3.9)
Estimated GFR, mL/min/1.73 m ² , median (IQR)	100.7 (88.4, 115.9)	99.2 (86.4, 113.4)	97.6 (85.1, 112.6)	95.3 (82.7, 112.1) ^{abe}
CKD, N=286				
Variable	Quartile of MCP-1 (range, pg/mL)			
	Q1 (48.9-142.3) N=71	Q2 (143.6-192.2) N=72	Q3 (192.6-269.8) N=72	Q4 (271.7-2004.0) N=71
ACR, mg/g, median (IQR)	52.0 (29.4, 132.3)	42.3 (26.3, 89.5)	40.5 (19.3, 81.2)	56.5 (22.2, 218.5)
ACR, mg/g, mean (SD)	133.6 (211.0)	99.3 (162.8)	273.0 (676.0)	316.0 (981.8)
Estimated GFR, mL/min/1.73 m ² , median (IQR)	100.6 (82.4, 115.6)	91.7 (72.6, 111.3)	82.7 (56.1, 109.3)	74.6 (47.7, 106.2) ^a

ACR, urine albumin-to-creatinine ratio; GFR, glomerular filtration rate; IQR, interquartile range; MCP-1, monocyte chemoattractant protein-1

^aP<0.05 for trend

^bP<0.05 for fourth vs. first quartile

^cP<0.05 for fourth vs. second quartile

^dP<0.05 for fourth vs. third quartile

^eP<0.05 for third vs. first quartile

^fP<0.05 for third vs. second quartile

^gP<0.05 for second vs. first quartile

Supplemental Table 3. *P* values for baseline ACR and eGFR of the cohort by quartile of MCP-1 and CKD subgroup

Variable	Omnibus <i>P</i> value	Q4 vs Q1	Q4 vs Q2	Q4 vs Q3	Q3 vs Q1	Q3 vs Q2	Q2 vs Q1	<i>P</i> for trend
Entire Cohort, N=3,257								
ACR, mg/g, median (IQR)	0.02	0.003	0.11	0.32	0.03	0.51	0.14	0.002
Estimated GFR, mL/min/1.73 m ² , median (IQR)	<0.0001	<0.0001	<0.0001	0.03	<0.0001	0.03	0.01	<0.0001
Non-CKD, N=2,971								
ACR, mg/g, median (IQR)	0.74							0.29
Estimated GFR, mL/min/1.73 m ² , median (IQR)	<0.0001	0.0001	0.07	0.55	0.02	0.69	0.27	<0.0001
CKD, N=286								
ACR, mg/g, median (IQR)	0.24							0.58
Estimated GFR, mL/min/1.73 m ² , median (IQR)	0.002	0.13	0.30	1.00	0.13	0.30	0.97	<0.0001

ACR, urine albumin-to-creatinine ratio; GFR, glomerular filtration rate; IQR, interquartile range; MCP-1, monocyte chemoattractant protein-1

Supplemental Table 4. Spearman correlations for eGFR and ACR with MCP-1 (pg/mL), stratified by CKD status

Variable	Entire cohort, N=3,257		Non-CKD, N=2,971		CKD, N=286	
	rho	<i>P</i> value	rho	<i>P</i> value	rho	<i>P</i> value
ACR, mg/g	0.07	<0.0001	0.04	0.05	-0.02	0.68
Estimated GFR, mL/min/1.73 m ²	-0.12	<0.0001	-0.10	<0.0001	-0.23	<0.0001

ACR, urine albumin-to-creatinine ratio; GFR, glomerular filtration rate; IQR, interquartile range; MCP-1, monocyte chemoattractant protein-1