

Supplemental table 1: DISTRIBUTION OF INDIVIDUAL OBS COMPONENTS BY OBS QUARTILE

Footnote supplemental table 1

Values are presented as mean (SD) or number (%).SD =standard deviation Abbreviations PUFA = Polyunsaturated fatty acid, NSAID= Non-steroidal anti-inflammatory drug OBS= Oxidative balance score,

Supplemental Table 2

SENSITIVITY ANALYSIS: THE ASSOCIATION BETWEEN OBS WITHOUT ASPIRIN AND NSAIDS: ALBUMINURIA CKD AND ESRD

^a, Model 1 is the crude model ^b, For Albuminuria, Macroalbuminuria and CKD, Model 2 is the model adjusted for age, sex, race, region and calories. ^c, For ESRD, model 2 is the model adjusted for age, sex, race, region, calories BMI (body mass index), smoking, waist circumference, physical activity, education, income, diabetes, statin medications, cardiovascular disease, systolic and diastolic blood pressure, and Total Cholesterol. ^d, for a 5/10 unit increases in obs

Supplemental Table3

TABLE 3: THE LINEAR ASSOCIATION BETWEEN OBS: EGFR and OBS and Albuminuria

^a, Model 1 is the crude model ^b: Model 2 is adjusted for age, sex, race, region and calories

^c Model 3 is adjusted for age, sex, race, region and calories, BMI (body mass index), smoking, waist circumference, physical activity, education, income, hypertension, diabetes and statin medications. ^d. Model 4 is adjusted for age, sex, race, region and calories, BMI (body mass index), smoking, waist circumference, physical activity, education, income, diabetes, statin medications, cardiovascular disease, systolic and diastolic blood pressure, and Total Cholesterol.

Supplemental Table 4

LINEAR ASSOCIATION BETWEEN INDIVIDUAL OBS COMPONENTS: CKD, AND MACROALBUMINURIA

Supplemental Table 1

Characteristics (Units)	Mean (by OBS quartiles)			
	Q1	Q2	Q3	Q4
Total	4096	5090	5453	4823
Regular Aspirin Use[#]	963 (23.5%)	2007(39.4%)	2522(46.2%)	3065(63.5%)
Regular NSAID Use[#]	264(6.5%)	609(12.0%)	856(15.7%)	1195(24.8%)
Alcohol				
Heavy	330(8.1%)	224(4.4%)	203(3.7%)	113(2.3%)
Moderate	1558(38.0%)	1883(37.0%)	2003(36.7%)	1585(32.9%)
None	2208(53.9%)	2983(58.6%)	3247(59.5%)	3125(64.8%)
Selenium (mcg)	69.23(30.6)	85.3(43.6)	102.1(53.0)	127.8(69.1)
Daily PUFA (g)	16.50(9.2)	17.80(10.0)	53.04(19.1)	69.12(20.5)
Iron (mg)	17.3(14.7)	22.0(16.9)	26.1(17.8)	30.5(20.2)
Vitamin C (mg)	118.43 (180.7)	247.00(317.6)	397.7(434.89)	614.7(536.7)
α-carotene (μg)	279.5 (213.35)	471.7(460.83)	764.9(753.54)	1220.24(1103.40)
β-carotene (μg)	2006.7(1349.1)	3468.4(3204.81)	5760.9(5300.25)	8960.5 (7327.4)
Vitamin E (α-TE)	31.4(78.7)	74.0(139.7)	120.4(176.2)	187.8(195.2)
Lutein (μg)	823.9(616)	1300.6(1038.7)	2003.6(1785.8)	3062.93(2639.4)
Lycopene (μg)	2379.8(2611.9)	3519.4 (3803.3)	4453.5 (4547.6)	6441.0(6255.5)
Cryptoxanthine (μg)	50.8(67.5)	100.0 (112.3)	139.3(134.5)	193.7 (158.5)

Supplemental Table 2

OBS	Albuminuria		Macroalbuminuria		CKD		ESRD	
	Model 1 ^a	Model 2 ^b	Model 1 ^a	Model 2 ^b	Model 1 ^a	Model 2 ^b	Model 1 ^a	Model 2 ^c
	OR (95%CI)	OR (95% CI)	OR (95%CI)	OR (95% CI)	OR(95% CI)	OR (95% CI)	HR(95% CI)	HR(95%CI)
Q1	1	1	1	1	1	1	1	1
Q2	0.97 (0.859, 1.09)	0.94 (0.84, 1.06)	0.90 (0.69, 1.17)	0.90 (0.69, 1.17)	1.00(0.88, 1.14)	0.94(0.82, 1.08)	1.26(0.71,2.23)	1.82(0.96, 3.44)
Q3	0.92 (0.82, 1.04)	0.86 (0.76, 0.98)	0.67 (0.51, 0.88)	0.66(0.49, 0.87)	0.94(0.82, 1.07)	0.83(0.72, 0.96)	0.94(0.52, 1.71)	1.70(0.86, 3.38)
Q4	0.94 (0.83, 1.06)	0.87 (0.76, 0.997)	0.72 (0.54, 0.97)	0.73 (0.53, 0.99)	0.78(0.68, 0.90)	0.7(0.60, 0.82)	0.57(0.28, 1.18)	0.82(0.33, 2.03)
p for trend	0.21	0.02	0.0047	0.0069	0.0005	<.0001	0.081	0.87
OBS (continuous)								
5-unit^d	0.95 (0.90, 1.01)	0.91(0.86, 0.98)	0.78(0.68, 0.90)	0.77 (0.66,0.90)	0.90(0.84,0.96)	0.84(0.78, 0.91)	0.75 (0.55, 1.01)	1.07 (0.75,1.54)
10-unit^d	0.91 (0.80, 1.03)	0.83 (0.73, 0.95)	0.61 (0.46, 0.81)	0.60 (0.44, 0.81)	0.81(0.71, 0.93)	0.71(0.61, 0.83)	0.56(0.30, 1.02)	1.13(0.55, 2.33)

Supplemental Table 3

OBS	eGFR				Urinary Albumin			
	Model 1^a	Model 2^b	Model 3^c	Model 4^d	Model 1^a	Model 2^b	Model 3^c	Model 4^d
p value	0.0018	0.0013	<0.0001	<0.0001	0.0014	0.002	0.0045	0.004
5-unit increase in OBS	-0.57	0.53	0.87	0.88	-7.27	-7.40	-6.85	-6.91
10-unit increase in OBS	-1.14	1.05	1.73	1.76	-14.53	-14.81	-13.69	-13.82

Supplemental Table 4

Characteristics	CKD		MACROALBUMINURIA	
	OR(95% CI)	P value	OR(95% CI)	P value
Regular Aspirin Use	1.29 (1.23, 1.35)	<0.0001	1.16 (1.06, 1.28)	0.002
Regular NSAID Use	0.97 (0.91, 1.04)	0.36	0.88 (0.76, 1.02)	0.085
Alcohol	1.58 (1.45, 1.73)	<0.0001	1.22 (1.03, 1.45)	0.024
Selenium	1.04 (0.99, 1.11)	0.14	1.14 (1.02, 1.28)	0.024
Unsaturated Fat	0.79 (0.74, 0.83)	<.0001	0.86 (0.76, 0.96)	0.010
Iron	0.94 (0.89, 0.996)	0.04	0.83 (0.74, 0.93)	0.002
Vitamin C	0.953 (0.9, 1.01)	0.097	0.89 (0.80, 1.00)	0.059
α-carotene	0.909 (0.86, 0.96)	0.001	0.76 (0.67, 0.85)	<.0001
β-carotene	0.855 (0.81, 0.91)	<.0001	0.93 (0.83, 1.04)	0.194
Lutein	0.83 (0.78, 0.88)	<.0001	0.83 (0.73, 0.93)	0.001
Lycopene	0.91 (0.86, 0.96)	0.0011	0.83 (0.74, 0.94)	0.002
β-Cryptoxanthine	1.09 (1.03, 1.15)	0.0038	0.96 (0.85, 1.08)	0.479
a-tocopherol	1.19 (1.12, 1.26)	<.0001	1.08 (0.96, 1.21)	0.209
Smoking	1.14 (1.06, 1.22)	0.0002	0.65 (0.57, 0.74)	<.0001