

Supplement Table 1: Changes in spirometry, diffusing capacity and IOS per 1 SD increase in SAF in non-smokers

		Change in lung function measure per 1 SD increase in SAF (95%CI)	p-value
Spirometry (n=3418)	FEV ₁ (L)	-0.02 (-0.04- -0.01)	0.006
	FVC (L)	-0.03 (-0.04- -0.01)	0.005
	FEV ₁ /FVC (%)	-0.07 (-0.27- 0.13)	0.470
Diffusing capacity (n=3242)	D _{LCO} (mmol/(min kPa))	-0.07 (-0.07- -0.06)	0.041
	D _{LCO} /V _A (mmol/(min kPa L))	-0.01 (-0.01-0.00)	0.043
IOS (n=3301)	R ₅ (kPa/(L/s))	-0.001 (-0.004-0.002)	0.485
	R ₂₀ (kPa/(L/s))	-0.001 (-0.004-0.001)	0.320
	R ₅ -R ₂₀ (kPa/(L/s))	0.000 (-0.001-0.002)	0.798
	AX (kPa/L)	0.005 (-0.005-0.015)	0.376
	f _{res} (Hz)	0.068 (-0.035-0.170)	0.195
	X ₅ (kPa/(L/s))	-0.001 (-0.002-0.00)	0.130

Adjustments: Age, height, sex, weight, eGFR, diabetes, log-HbA1c, log- plasma glucose, log-CRP

Supplement Table 2: Changes in spirometry, diffusing capacity and IOS per 1 SD increase in AGEs subjects with no known COPD diagnosis

		Change in lung function measure per 1 SD increase in SAF (95%CI)	p-value
Spirometry (n=3892)	FEV ₁ (L)	-0.02 (-0.04- -0.01)	0.001
	FVC (L)	-0.03 (-0.05- -0.01)	0.001
	FEV ₁ /FVC	0.00 (-0.002-0.001)	0.646
Diffusing capacity (n=3689)	D _{LCO} (mmol/(min kPa))	-0.06 (-0.10- -0.02)	0.002
	D _{LCO} /V _A (mmol(min kPa L))	-0.009 (-0.015- -0.001)	<0.001
IOS (n=3757)	R ₅ (kPa/(L/s))	0.00 (-0.003-0.002)	0.735
	R ₂₀ (kPa/(L/s))	-0.001 (-0.003-0.001)	0.425
	R ₅ -R ₂₀ (kPa/(L/s))	0.00 (-0.001-0.002)	0.501
	AX (kPa/L)	0.007 (-0.002-0.016)	0.144
	f _{res} (Hz)	0.09 (-0.01-0.19)	0.088
	X ₅ (kPa/(L/s))	-0.001 (-0.003-0.000)	0.030

Adjustments: Age, height, sex, weight, smoking status, pack-years, eGFR, diabetes, log-HbA1c, log-plasma glucose, log-CRP