

On-line supplement Table 1. Characteristics of the OLIN and WSAS cohorts.

N=	All 1839	OLIN 691	WSAS 1148	p-value*
Men/Women (%)	47.4/52.6	49.6/50.4	46.0/54.0	0.135
Age, yrs (SD)	51.1 (14.8)	52.0 (14.3)	50.6 (15.1)	0.061
BMI (mean in kg*m ⁻²)	26.6	27.2	26.2	<0.001
Non-smoker (%)	52.6	51.7	53.2	0.070**
Ex-smoker (%)	34.6	33.2	35.4	
Current smoker (%)	12.8	15.1	11.4	
Urban living (%)	69.5	53.5	79.2	<0.001**
Small town (%)	13.3	18.1	10.5	
Village (%)	5.9	8.0	4.7	
Rural living (%)	11.2	20.4	5.70	
COPD, fixed ratio criterion (%)	8.7	9.3	8.4	0.550
COPD, LLN criterion (%)	5.7	6.5	5.1	0.251
Mod to severe COPD (fixed) (%)	3.9	4.3	3.7	0.459
Mod to severe COPD (LLN) (%)	3.1	3.6	2.8	0.333
FEV ₁ % of predicted (mean)	98.8	97.7	99.4	0.011
FVC % of predicted (mean)	96.0	95.4	96.3	0.108
Myocardial infarction (%)	3.0	4.1	2.4	0.047
Angina pectoris (%)	2.5	3.2	2.1	0.166
Ischemic heart disease (%)	4.9	6.1	4.2	0.074
Heart failure (%)	0.5	0.6	0.5	1.000
Arrhythmia (%)	5.1	4.6	5.4	0.513
Any Heart Disease (%)	2.8	2.9	2.7	0.884
Hypertension or Medicine (%)	25.9	28.1	24.5	0.098
Any HD, HT or Medication (%)	30.1	35.5	26.9	<0.001
Intermittent claudication (%)	1.4	0.9	1.7	0.212
TIA or stroke (%)	3.4	4.9	2.5	0.008
Diabetes (%)	4.5	5.5	3.9	0.132

*OLIN versus WSAS. Fisher's exact test

**Test for trend

HD=Heart Disease

HT=Hypertension

Ischemic heart disease includes myocardial infarction, angina pectoris and coronary angioplasty. Medication includes medicines for heart disease and hypertension

On-Line supplement Table 2. Stratified analyses based on never smokers and ever smokers: comorbidities as unadjusted and adjusted relative risks for COPD.

Comorbidity (independent variable)	Dependent variables							
	COPD fixed ratio - never smoker				COPD fixed ratio - ever smoker			
	Unadjusted analyses		Adjusted analyses ¹		Unadjusted analyses		Adjusted analyses ¹	
	RR	(95% CI)	RR	(95% CI)	RR	(95% CI)	RR	(95% CI)
Ischemic heart disease	1.44	(0.35-5.92)	0.75	(0.18-3.21)	1.43	(0.77-2.67)	0.93	(0.49-1.77)
Heart failure	*		*		3.52	(1.30-9.54)	2.58	(0.94-7.11)
Any heart disease	1.46	(0.62-3.44)	0.88	(0.36-2.15)	1.22	(0.76-1.97)	0.87	(0.53-1.42)
Hypertension (HT)	2.40	(1.34-4.30)	1.35	(0.70-2.60)	1.62	(1.11-2.35)	1.19	(0.80-1.77)
Medication for heart disease or HT	2.14	(1.18-3.89)	0.90	(0.44-1.81)	1.75	(1.21-2.55)	1.16	(0.77-1.75)
Any heart disease, HT or medication	2.27	(1.28-4.02)	1.17	(0.60-2.26)	1.49	(1.03-2.15)	1.03	(0.69-1.54)
Intermittent claudication	*		*		2.82	(1.24-6.42)	2.01	(0.87-4.66)
TIA or stroke	0.79	(0.11-5.70)	0.49	(0.07-3.59)	1.41	(0.66-3.03)	1.00	(0.46-2.17)
Diabetes	2.27	(0.82-6.33)	1.23	(0.38-4.04)	1.59	(0.80-3.14)	1.25	(0.63-2.51)
Comorbidity (independent variable)	COPD LLN - never smoker				COPD LLN - ever smoker			
	Unadjusted analyses		Adjusted analyses ¹		Unadjusted analyses		Adjusted analyses ¹	
	RR	(95% CI)	RR	(95% CI)	RR	(95% CI)	RR	(95% CI)
	RR	(95% CI)	RR	(95% CI)	RR	(95% CI)	RR	(95% CI)
Ischemic heart disease	*		*		1.56	(0.75-3.25)	1.03	(0.48-2.21)
Heart failure	*		*		5.33	(1.95-14.6)	5.60	(1.99-15.8)
Any heart disease	0.77	(0.18-3.23)	0.69	(0.16-3.09)	1.43	(0.82-2.48)	1.05	(0.59-1.87)
Hypertension (HT)	2.65	(1.25-5.60)	2.83	(1.19-6.71)	1.45	(0.91-2.31)	1.16	(0.71-1.91)
Medication for heart disease or HT	1.03	(0.42-2.54)	0.67	(0.22-2.04)	1.60	(1.01-2.54)	1.19	(0.71-2.00)
Any heart disease, HT or medication	1.93	(0.91-4.09)	1.87	(0.77-4.52)	1.46	(0.93-2.30)	1.13	(0.69-1.86)
Intermittent claudication	*		*		2.79	(1.02-7.65)	1.88	(0.67-5.24)
TIA or stroke	*		*		1.50	(0.61-3.73)	1.13	(0.45-2.87)

Diabetes	*	*	0.50	0.12-2.02	0.40	0.10-1.63
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¹Analyses are adjusted for sex, age group, educational level and exposure to gas, dust or fumes at work. Comorbidities are added one by one into the model Grey shading indicates statistical significance. * Too few subjects. HT=Hypertension