

SUPPLEMENTAL MATERIAL

Table S1. Association between lung function measured at exam year 10 (mean age 35, range 28-40) and the development of incident cardiovascular risk factors by the year 20 examination.

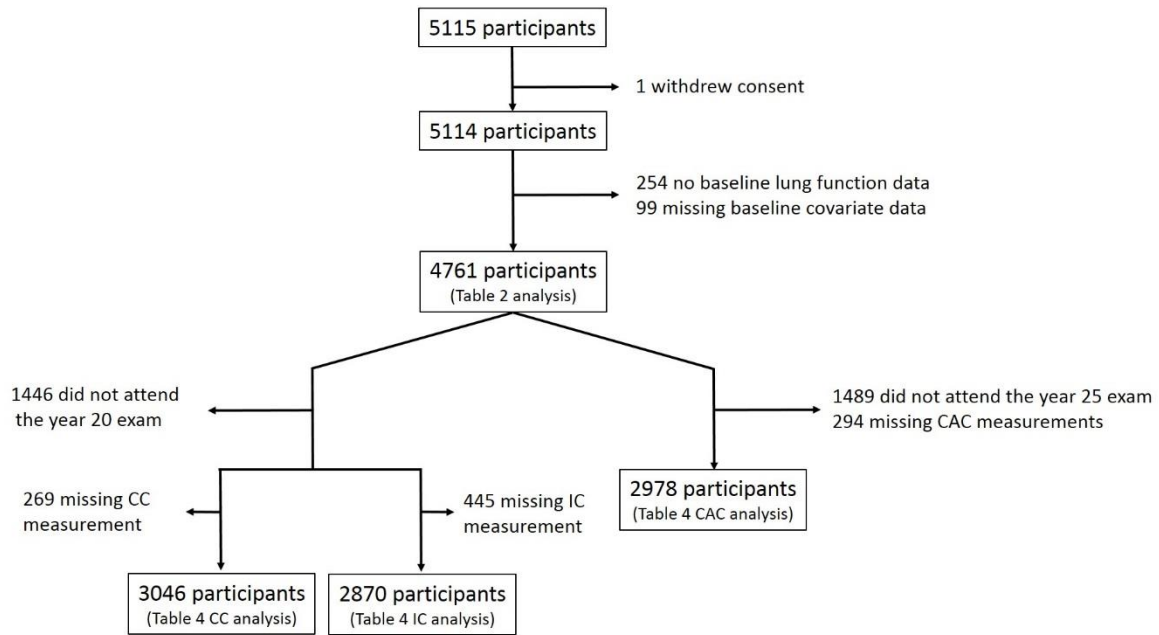
	Incident Hypertension OR (95% CI) Cases/N=494/2192	Incident Hypercholesterolemia OR (95% CI) Cases/N=587/2140	Incident Diabetes OR (95% CI) Cases/N=142/2674
FEV₁ (% predicted)	1.09 (1.00, 1.19)	0.96 (0.89, 1.04)	1.18 (1.03, 1.36)
FVC (% predicted)	1.04 (0.95, 1.14)	0.96 (0.89, 1.04)	1.27 (1.10, 1.48)
FEV₁/FVC (%)	1.09 (1.00, 1.20)	1.00 (0.92, 1.08)	0.94 (0.80, 1.09)

Incident in this case is defined by being present at the year 20 examination but not at year 10. Odds ratios are expressed per -10 units of the % predicted FEV₁ or FVC or -5 units of the FEV₁/FVC.

Hypertension is defined as blood pressure greater than or equal to 130/80 mm Hg or use of anti-hypertensive medication. Hypercholesterolemia is defined as total cholesterol greater than 200 mg/dL or use of cholesterol lower medication. Diabetes is defined as fasting glucose 126 mg/dL or greater or use of anti-diabetic medication.

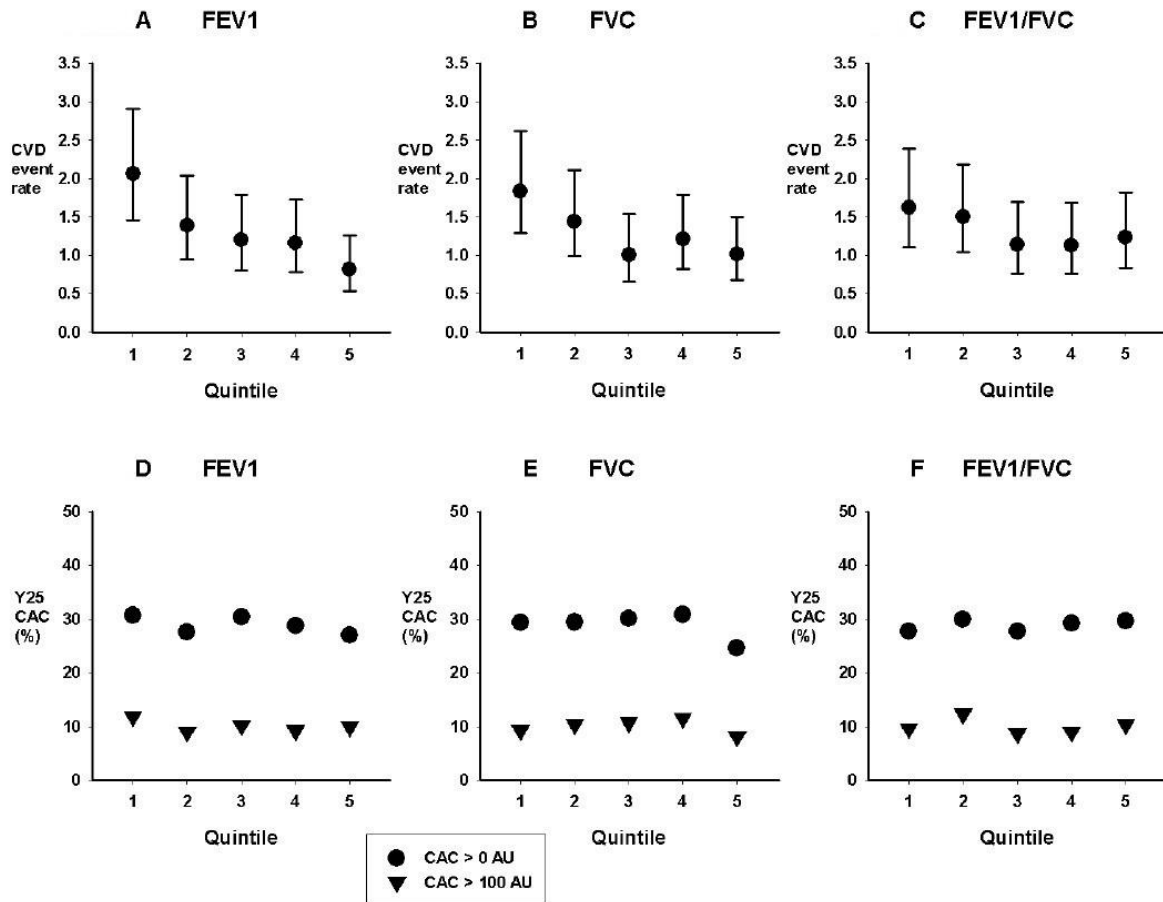
Covariates: Race-sex group, age, BMI, and smoking status at the time of lung function measurement (year 10) and change in BMI between years 10 and 20.

Figure S1. Number of participants included in the analytic cohorts based on available data.



CC: common carotid IMT, IC: internal carotid IMT, CAC: coronary artery calcium

Figure S2. Cardiovascular Disease Event Rate and Prevalence of Coronary Artery Calcium Across Lung Function Quintiles.



A: CVD event rate per 1000-person years across quintiles of FEV1 adjusted for age, race and sex. FEV1 percent predicted ranges for quintiles; 1: 46.2230 - 88.4222, 2: 88.4268 - 95.0391, 3: 95.0394 - 100.6025, 4: 100.6254 - 107.4562, 5: 107.4596 - 152.0148. **B:** CVD event rate per 1000-person years across quintiles of FVC adjusted for age, race and sex. FVC percent predicted ranges for quintiles; 1: 50.3075-90.8605, 2: 90.8622-97.3808, 3: 97.3907-102.8751, 4: 102.8984-109.8769, 5: 109.8868-169.2371. **C:** CVD event rate per 1000-person years across quintiles of FEV1/FVC ratio adjusted for age, race and sex. FEV1/FVC ratio ranges for quintiles; 1: 41.9795-78.1533, 2: 78.1734-82.0513, 3: 82.0588-85.0467, 4: 85.0485-88.2637, 5: 88.2716-100.00. **D:** Prevalence of CAC (closed circle CAC score > 0 AU, triangle CAC score > 100 AU) across quintiles of FEV1. FEV1 percent predicted ranges for quintiles; 1: 46.2230 - 88.4222, 2: 88.4268 - 95.0391, 3: 95.0394 - 100.6025, 4: 100.6254 - 107.4562, 5: 107.4596 - 152.0148. **E:** Prevalence of CAC (closed circle CAC score > 0 AU, triangle CAC score > 100 AU) across quintiles of FVC. FVC percent predicted ranges for quintiles; 1: 50.3075-90.8605, 2: 90.8622-97.3808, 3: 97.3907-102.8751, 4: 102.8984-109.8769, 5: 109.8868-169.2371. **F:** Prevalence of CAC (closed circle CAC score > 0 AU, triangle CAC score > 100 AU) across quintiles of FEV1/FVC ratio. FEV1/FVC ratio ranges for quintiles; 1: 41.9795-78.1533, 2: 78.1734-82.0513, 3: 82.0588-85.0467, 4: 85.0485-88.2637, 5: 88.2716-100.00. CVD: cardiovascular disease, FEV1: forced expiratory volume in 1 second, FVC: forced vital capacity, CAC: coronary artery calcium.