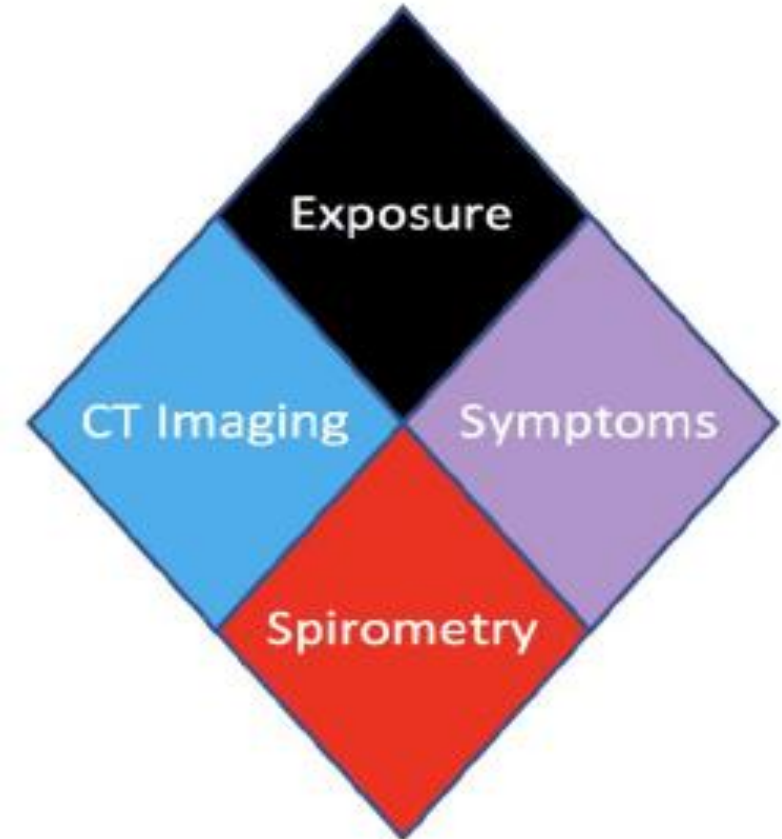


Criteria for COPDGene 2019 diagnosis

- **Exposure**: Cigarette smoking ≥ 10 pack-years
- **CT structural disease**: emphysema $\geq 5\%$, gas trapping $\geq 15\%$ or airway thickening
- **Symptoms**: mMRC dyspnea ≥ 2 or chronic bronchitis (ATS)
- **Airflow obstruction**: $FEV_1/FVC < 0.70$ (“classic”) or $FEV_1 < 80\%$ predicted (PRISm)



COPDGene 2019 Subgroups

Category	Description	Disease Features	
A	Exposure	1	
B	Exposure + CT	2	Possible COPD
C	Exposure + Symptoms	2	
D	Exposure + Spirometry	2	
E	Exposure + Symptoms + CT	3	Probable COPD
F	Exposure + Spirometry + Symptoms	3	
G	Exposure + Spirometry + CT	3	
H	Exposure + Spirometry + Symptoms + CT	4	Definite COPD

COPDGene 2019 COPD Progression & Mortality

	Sub-group	Odds FEV ₁ change >350 ml [95% CI]*	Hazard Ratio all-cause mortality (95% CI)#	
	A	1.0 (ref.)	1.0 (ref.)	NO COPD
	B	1.31 (1.04-1.65)	1.05 (0.76-1.44)	Possible COPD
	C	1.42 (1.07-1.88)	1.55 (1.09-2.19)	
	D	0.92 (0.64-1.30)	1.48 (1.03-2.12)	
	E	1.74 (1.28-2.36)	1.90 (1.33-2.71)	
	F	1.02 (0.66-1.60)	2.62 (1.84-3.72)	Probable COPD
	G	2.11 (1.66-2.68)	1.76 (1.36-2.27)	
	H	2.82 (2.18-3.66)	5.18 (4.15-6.48)	
				Definite COPD