

Table 1. Risk factors for COPD

Environmental

Cigarette smoke
Passive smoke exposure
Asthma
Air pollution
Low birth weight
Dusty trades
Childhood infection
Social economic status

Genetic*

Alpha 1-antitrypsin
Other potential genes
SERPINA3
Beta-2 adrenergic receptor
IL-1 receptor
IL-8
IL-6
IL-13
MMP-1
MMP-9
IL-4 receptor antagonist
Glutathione transferases
GSTP1
GSTM1
GSTT1
Heme oxygenase-1
Catalase
Superoxide dismutases-3
TGF- β 1
TNF
Nicotine receptor (CHRNA5)
Hedgehog interacting protein
Angiotensin converting enzyme
Epoxide hydrolase-1
ADAM33
TLR4

*Only alpha 1-antitrypsin is unequivocally established.