

Table S1. Variables associated with all-cause mortality among all patients in a Cox proportional hazard regression model

Variables	Unadjusted		Fully Adjusted	
	HR (95% CI)	P	HR (95% CI)	P
PA	1.65 (1.01-2.72)	0.048	2.92 (1.52-5.61)	0.001
Sex, M/F	2.35 (1.46-3.78)	<0.001	2.16 (1.43-3.28)	<0.001
Age	1.08 (1.06-1.11)	<0.001	1.10 (1.08-1.12)	<0.001
BMI	0.86 (0.79-0.93)	<0.001	0.76 (0.71-0.81)	<0.001
Onset of symptoms	1.03 (1.01-1.04)	<0.001	1.03 (1.01-1.04)	<0.001
mMRC Score	1.35 (1.24-1.47)	<0.001	0.96 (0.85-1.08)	0.515
LCQ Score	0.84 (0.78-0.90)	<0.001	0.96 (0.91-1.02)	0.198
FEV1% of predicted (%)	0.98 (0.97-0.99)	0.001	0.99 (0.98-1.00)	0.018

PA: *Pseudomonas aeruginosa*; BMI: body mass index; mMRC: modified medical research council; LCQ: the Leicester Cough Questionnaire; FEV1: forced expiratory volume in 1 s; HR: hazard ratio; CI: confidence interval. Variables are adjusted for PA/Non-PA status, sex, age, BMI, onset of symptoms, mMRC score, LCQ score, and FEV1% of predicted (%).

Table S2. Variables associated with all-cause mortality among the patients with PA or Negative in a Cox proportional hazard regression model

Variables	Unadjusted		Fully Adjusted	
	HR (95% CI)	P	HR (95% CI)	P
PA	2.09 (1.17-3.75)	0.013	3.14 (1.50-6.56)	0.002
Sex, M/F	1.83 (1.03-3.27)	0.039	1.35 (0.77-2.38)	0.299
Age	1.08 (1.05-1.11)	<0.001	1.08 (1.05-1.11)	<0.001
BMI	0.85 (0.77-0.94)	0.002	0.80 (0.73-0.87)	<0.001
mMRC Score	1.79 (1.43-2.26)	<0.001	1.15 (1.01-1.30)	0.031
Cystic	2.19 (1.09-4.42)	0.028	1.38 (0.73-2.58)	0.319
FEV1% of predicted (%)	0.98 (0.96-0.99)	0.001	0.99 (0.98-1.00)	0.037

BMI: body mass index; mMRC: modified medical research council; HR: hazard ratio; CI: confidence interval. Variables are adjusted for PA/Negative status, sex, age, BMI, onset of symptoms, mMRC score, LCQ score, cystic status, and FEV1% of predicted (%).