Table S1 - Multivariate Cox regression analysis of factors associated with survival after categorization

Variable	Hazard ratio for death	95% confidence interval	p value
Groups			
No *P. aeruginosa* chronic infection with <2 exacerbations per year	1.00	reference	n/a
No *P. aeruginosa* chronic infection with ≥2 exacerbations per year	1.74	1.28 – 2.38	<0.001
P. aeruginosa chronic infection with <2 exacerbations per year	0.90	0.39 – 2.12	0.81
P. aeruginosa chronic infection with ≥2 exacerbations per year	2.03	1.36 – 3.03	0.001
Age (years)	1.05	1.04 - 1.07	<0.001
Gender (male vs female)	1.29	1.00 – 1.68	0.055
Radiology score (Reiff Score)	1.03	0.99 – 1.06	0.11
BMI < 18.5 Kg/m^2	1.68	1.13 – 2.50	0.011
Smoking status	1.11	0.84 – 1.47	0.45
MRC dyspnea score	1.24	1.16 – 1.45	<0.001
GOLD FEV1			
GOLD 1	0.66	0.44 – 1.00	0.048
GOLD 2	0.41	0.27 – 0.62	<0.001
GOLD 3	0.43	0.27 – 0.68	<0.001
GOLD 4	1.00	Reference	n/a
H. influenzae chronic infection	0.57	0.39 – 0.84	0.005
S. aureus chronic infection	1.73	1.10 – 2.60	0.01
M. catarrhalis chronic infection	0.78	0.43 – 1.44	0.43
Enterobacteriaceae chronic infection	0.78	0.49 – 1.24	0.29
COPD	1.33	0.98 – 1.81	0.07
Diabetes	1.28	0.93 – 1.75	0.13
Chronic renal failure	1.58	1.13 – 2.23	0.008
Ischemic heart disease	1.46	1.11 - 1.92	0.007
Oral long term antibiotic suppressive therapy	1.14	0.86 – 1.49	0.36
Nebulized long term antibiotic suppressive therapy	0.79	0.51 – 1.25	0.32