

Supplementary Table S4. Association of various predictors at baseline with HA changes between stable state and moderate or severe exacerbations

Parameter	Estimate	Std. Error	z value	Pr(> z)
Moderate exacerbations				
Age	0.2999	0.3340	0.8979	0.3993
FEV ₁ % predicted	0.3220	0.1303	2.4707	0.0186
Charlson score	0.2889	3.1617	0.0914	0.9892
Adjusted Charlson score	1.1065	2.2549	0.4907	0.7173
Severe exacerbations				
Age	0.6153	0.5567	1.1053	0.2912
FEV ₁ % predicted	0.0532	0.4391	0.1212	0.9729
Charlson score	10.1173	4.4064	2.2960	0.0328
Adjusted Charlson score	7.7463	3.3490	2.3130	0.0275

Putative baseline predictors (n=102) of a change in serum levels of HA between baseline and moderate or severe exacerbations were assessed using linear mixed-effects models. Among parameters tested were: symptoms (dyspnea, fatigue, cough, color of sputum); physical examination (blood pressure, heart rate, respiratory rate, peripheral oxygen saturation, 6-minute walking distance); comorbidities (adjusted and unadjusted Charlson score, medication for comorbidities); lung function (FEV₁ % predicted, FEV₁/FVC).