

Supplementary Table S8. Mixed logistic regression for the association between viral infections and having taken the study medication before AECOPD

Variable	Characteristic / Factor	Value	ESTIMATE	STDE	Odds ratio	95%CI	p-value	p-value overall effect
All Viruses	Intercept	I	-0.44	1.50			0.77	
	Patient's sex	male	0.22	0.38	1.24	0.58 - 2.67	0.57	0.57
		female	0					
	age	1 year	<0.01	0.02	1.00	0.96 - 1.04	0.94	0.94
	medication	None	-0.38	0.51	0.68	0.24 - 1.92	0.47	0.34
		Placebo	0.31	0.65	1.37	0.37 - 5.07	0.63	
ICS/LABA		0						
Coronaviruses	Intercept	I	0.26	2.47			0.91	
	Patient's sex	male	-0.43	0.61	0.65	0.19 - 2.20	0.48	0.48
		female	0					
	age	1 year	-0.04	0.03	0.96	0.90 - 1.02	0.18	0.18
	Study medication	None	0.46	1.10	1.59	0.17 - 14.38	0.68	0.39
		Placebo	1.31	1.19	3.70	0.34 - 40.55	0.28	
ICS/LABA		0						
Influenza	Intercept	I	-3.40	2.77			0.22	
	Patient's sex	male	0.04	0.69	1.04	0.26 - 4.18	0.96	0.96
		female	0					
	age	1 year	<0.01	0.04	1.00	0.93 - 1.08	0.89	0.89
	Study medication	None	0.48	1.12	1.62	0.17 - 15.16	0.66	0.79
		Placebo	-0.15	1.50	0.86	0.04 - 17.38	0.92	
ICS/LABA		0						
Para-influenza	Intercept	I	4.76	4.78			0.32	
	Patient's sex	male	-2.16	1.23	0.11	0.01 - 1.40	0.09	0.09
		female	0					
	age	1 year	-0.09	0.07	0.91	0.80 - 1.05	0.19	0.19
	Study medication	None	-2.10	1.17	0.12	0.01 - 1.29	0.08	0.21
		Placebo	-1.10	1.34	0.33	0.02 - 4.87	0.41	
ICS/LABA		0						
Rhino-Enterovirus	Intercept	I	-4.00	2.14			0.06	
	Patient's sex	male	1.16	0.60	3.18	0.96 - 10.58	0.06	0.06
		female	0					
	age	1 year	0.03	0.03	1.03	0.97 - 1.09	0.35	0.35
	Study medication	None	-0.65	0.67	0.52	0.14 - 2.00	0.34	0.62
		Placebo	-0.42	0.91	0.66	0.10 - 4.08	0.65	
ICS/LABA		0						