Online Supplement

Patient-Reported Pulmonary Symptoms, Exacerbations, and Management in a Cohort of Patients With Alpha-1 Antitrypsin Deficiency

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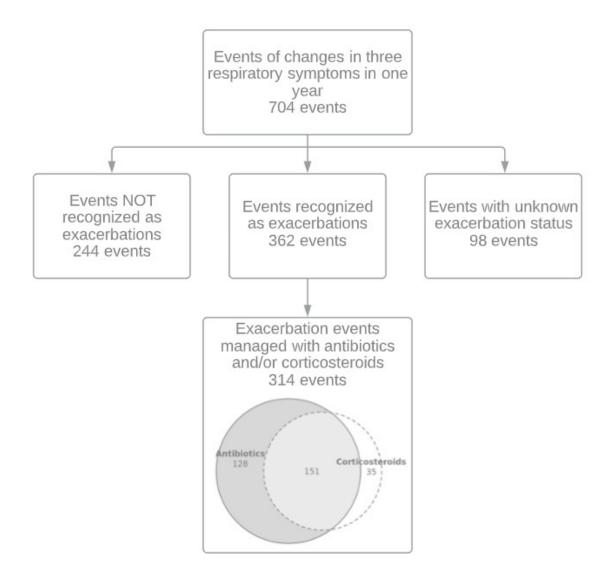
Supplemental Table 1. Patient-level analysis of the baseline characteristics comparing participants reporting a change in respiratory symptoms in one year and those not reporting changes, n=459 participants

	Participants WITH changes in pulmonary symptoms (n=316)	Participants WITHOUT changes in pulmonary symptoms (n=143)
Age ^a , years, mean (SD) Median	58.2 (9.7) 59	57.4 (8.5) 57
Female, n (%)	167 (52.9)	78 (55.0)
Married/Civil Union, n (%)	209 (66.8)	112 (78.9)
BMI , mean (SD) Median	26.06 (5.6) 25	26.6 (5.2) 26
BMI categories, n (%) Low (<19) Normal (19-25) High (>25-30) Very High (>30)	18 (5.7) 137 (43.4) 102 (32.3) 59 (18.7)	5 (3.5) 59 (41.3) 48 (33.6) 31 (21.7)
Genotype , n (%) ZZ ^b SZ MZ/Other	256 (89.5) 17 (5.9) 13 (4.6) data available n=286	121 (91.7) 6 (4.5) 5 (3.8) data available=132
Frequency of exacerbations in the year before baseline, n (%) Never Once Every 6 months Every 4 months Every 3 months Every month	49 (16.0) 64 (20.9) 50 (16.3) 41 (13.4) 56 (18.3) 46 (15.0) data available n=306	46 (35.1) 42 (32.1) 17 (13.0) 7 (5.3) 12 (9.2) 7 (5.3) data available n=131

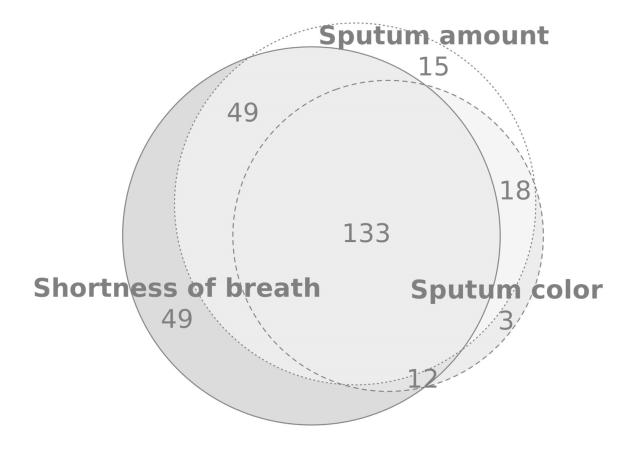
SFS Randomization arm, n (%)				
Standard care	159 (50.3)	69 (48.3)		
Intervention	157 (49.7)	74 (51.7)		
Oxygen use, n (%)	175 (57.2) data available =306	49 (37.7) <i>data available</i> n=130		
Self-reported bronchiectasis at baseline, n (%)	48 (15.4) data available n=311	15 (11.6) <i>data available</i> n=129		
Ever smoker, n(%)	237 (76.0) data available n=312	98 (71.0) <i>data available</i> n=138		
Pack-years, mean (SD) Median	29.2 (23.8) 20 data available n=223	25.7 (17.9) 20 data available=96		
^a Age calculated as of the first date of the monthly assessment; ^b includes				

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Supplemental Figure 1:



Supplemental Figure 1. Consort diagram of the events of changes in three respiratory symptoms: shortness of breath, change in sputum color and amount, and their management with antibiotics and/or corticosteroids



Supplemental Figure 2:

Supplemental Figure 2. Venn diagram of *antibiotic treatment* across three respiratory symptoms: shortness of breath, change in sputum color, and change in sputum amount, n=279