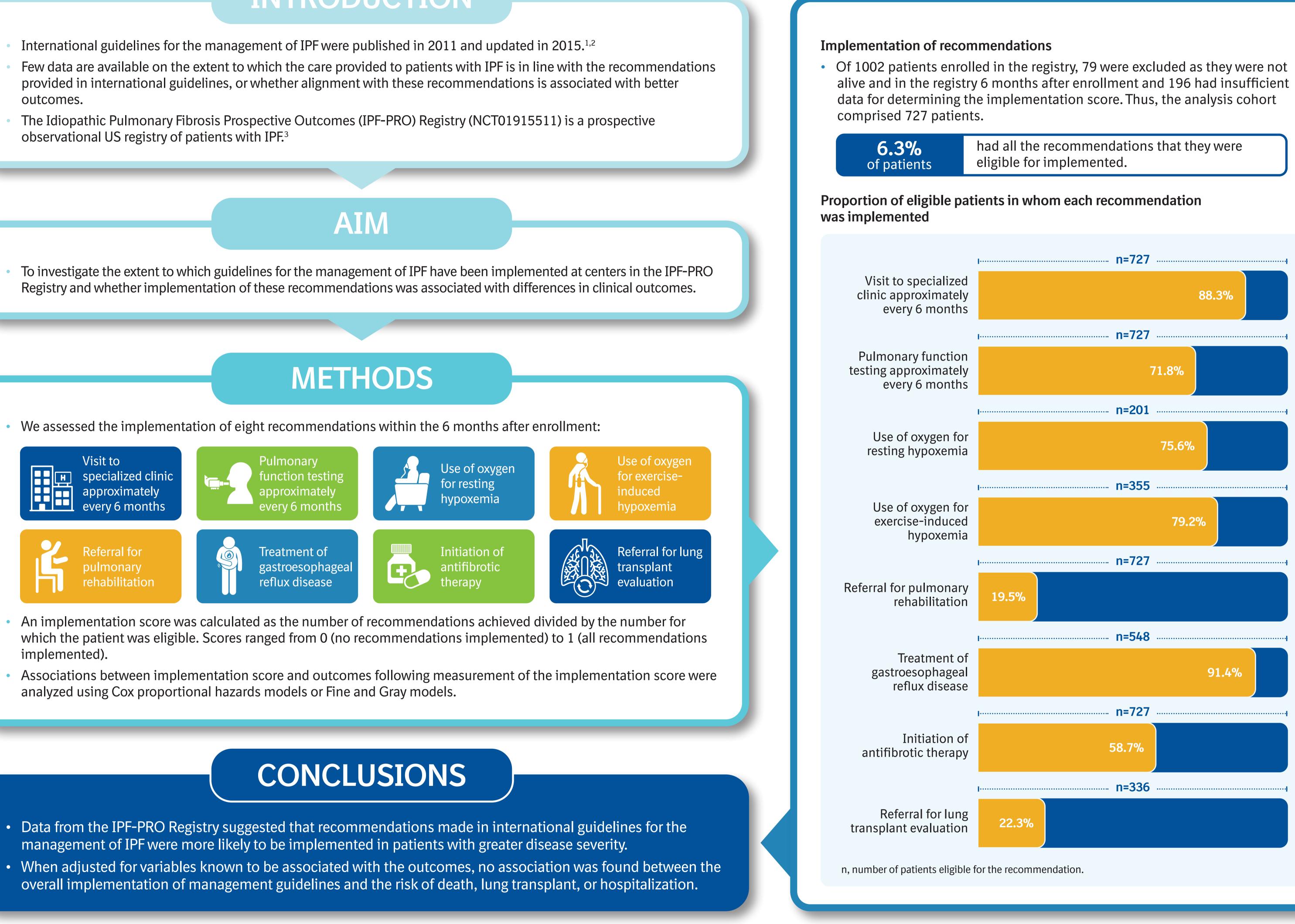
Implementation of guideline recommendations and outcomes in patients with idiopathic pulmonary fibrosis: data from the IPF-PRO Registry

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INTRODUCTION

- observational US registry of patients with IPF.³



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IPF-PRO[®] Registry enrolling centers: Albany Medical Center, Albany, NY; Baylor College of Medical Center, New York, NY; Baylor University Medical Center, New York, NY; Baylor University Medical Center, New York, NY; Baylor College of Medical Center, New York, NY; Baylor University Medical Center, New York, NY; Baylor University Medical Center, New York, NY; Baylor College of Medical Center, New York, NY; Baylor College of Medical Center, New York, NY; Baylor University Medical Center, New York, NY; Baylor University Medical Center, New York, NY; Baylor College of Medical Center, New York, NY; Baylor University Medical Center, New York, NY; Baylor University Medical Center, New York, NY; Baylor College of Medical Center, New York, NY; Baylor University Medical Center, New York, NY; Bayl College of Wisconsin Community Physicians, Milwaukee, WI; Houston, TX; Lahey Clinic, Burlington, MA; Loyola University of South Carolina, Charleston, SC; National Jewish Health, Denver, CO; NYU Medical Center, New York, NY; Piedmont Healthcare, Austell, GA; Pulmonary Associates of Stamford, CT; PulmonIx LLC, Greensboro, NC; Renovatio Clinical, The Woodlands, TX; Salem Chest and Southeastern Clinical, Salem Chest and Southeastern Clinical, The Woodlands, TX; Salem Chest and Southeastern Clinical, South Alexandre Chest and Southeastern Clinical, The Woodlands, TX; Salem Chest and Southeastern Clinical, South Alexandre Chest and Southeastern Clinical, The Woodlands, TX; Salem Chest and Southeastern Clinical, South Alexandre Chest and Sout University, Philadelphia, PA; The Oregon Clinic, Portland, OR; Tulane University of California, Davis, Sacramento, CA; University of California Los Angeles, Los Angeles, CA; University of Chicago, IL; University of Cincinnati Medical Center, Cincinnati, OH; University of Louisville, Louisville, KY; University of Minneapolis, MN; University of Pennsylvania, Philadelphia, PA; University of Virginia, Charlottesville, VA; UT Southwestern Medical Center, Dallas, TX; Vanderbilt University Medical Center, Nashville, TN; Vermont Lung Center, Colchester, VT; Wake Forest University, Winston Salem, NC; Washington Health and PMG Research, Wilmington, NC; Yale School of Medicine, New Haven, CT.

RESULTS

Implementation score

- Median (Q1, Q3) implementation score was 0.6 (0.5, 0.8).
- Patients with an implementation score >0.6 had greater disease severity and worse quality of life than patients with an implementation score ≤ 0.6 .

Patient characteristics at enrollment by implementation score

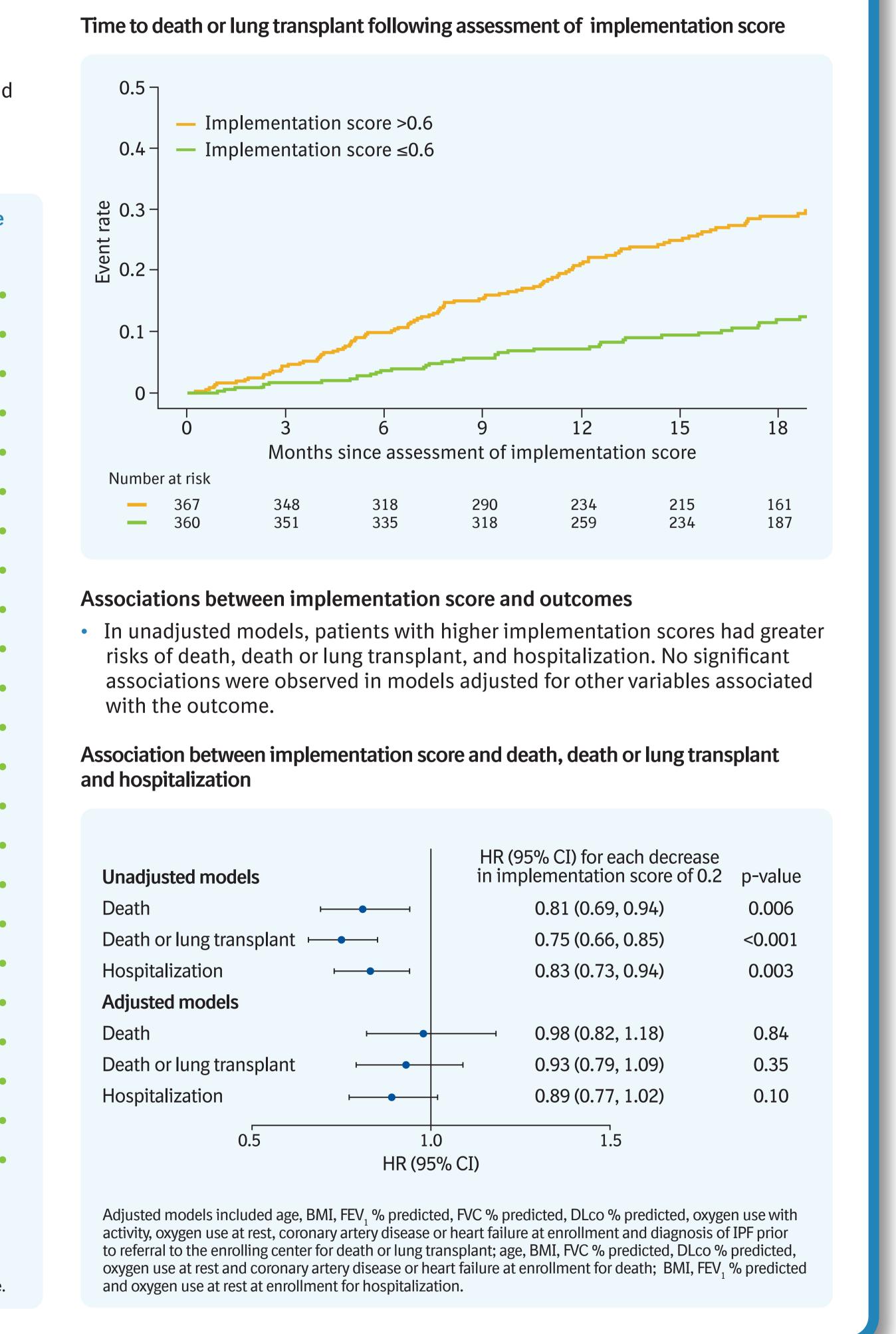
mplementation score ≤0.6 (n=360)	9	Implementation score >0.6 (n=367)
70 (64, 76)	Age, years	71 (66, 75)
71.9	Male	75.2
94.9	White	94.1
61.7	Current/former smoker	68.9
24.0	Prior hospitalization*	31.9
11.5	Prior respiratory hospitalization*	21.3
71.9 (62.7, 82.1)	FVC % predicted*	68.2 (57.2, 79.9)
79.8 (68.8, 90.6)	FEV ₁ % predicted*	76.1 (64.4, 89.0)
47.2 (39.1, 55.4)	DLco % predicted*	39.6 (31.2, 48.1)
38.1, 53.4, 8.5	GAP stage I, II, III*	25.1, 52.4, 22.5
48.8 (42.4, 55.5)	CPI*	54.6 (47.8, 61.3)
4.3	Oxygen use at rest*	26.0
12.8	Oxygen use with activity*	46.5
33.2 (19.4, 47.8)	SGRQ total score*	40.6 (29.4, 53.3)
47.7 (29.6, 66.2)	SGRQ activity score*	59.5 (47.7, 72.8)
20.5 (10.6, 36.0)	SGRQ impact score*	27.7 (16.9, 40.3)
40.6 (26.4, 56.7)	SGRQ symptoms score	42.9 (29.4, 59.2)
81.3 (59.4, 96.9)	CASA-Q cough impact domain	81.3 (59.4, 96.9)
58.3 (41.7, 83.3)	CASA-Q cough symptoms domain	62.5 (41.7, 75.0)
0.8 (0.7, 1.0)	EQ-5D index score	0.8 (0.7, 1.0)
80.0 (70.0, 90.0)	EQ-5D VAS score*	75.0 (60.0, 85.0)
54.3 (45.9, 59.7)	SF-12 MCS	54.1 (46.0, 59.9)
41.8 (34.0, 50.0)	SF-12 PCS*	37.9 (32.1, 44.4)

Data are % of patients without missing data or median (Q1, Q3).

*p<0.05 for comparison between groups. Continuous variables were compared using Wilcoxon rank sum tests. Categorical variables were compared using Pearson's chi-squared tests.

CASA-Q, cough and sputum assessment questionnaire; CPI, composite physiologic index; GAP, gender, age and lung physiology; MCS, mental component summary; PCS, physical component summary; SF-12, 12-item short form survey; SGRQ, St. George's Respiratory Questionnaire; VAS, visual analog scale.





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