

Supplementary table 1. Comparison of baseline demographics between patients with ≥ 1 HCRU event and ≥ 1 EXACT-identified event and between patients with only HCRU events and EXACT-unreported events

	≥ 1 HCRU event ^a n=138	≥ 1 EXACT-identified event ^a n=261	p value	Patients with only HCRU events n=69	Patients with EXACT- unreported events n=192	p value
Sex						
Male, n (%)	90 (65.2)	171 (65.5)	0.952	49 (71.0)	130 (67.7)	0.612
Age, mean years (95% CI)	62.7 (61.4–64.0)	62.6 (61.6–63.6)	0.896	64.0 (62.2–65.8)	63.0 (61.9–64.2)	0.371
Region, n (%)			0.001			<0.001
Eastern Europe	63 (45.7)	147 (56.3)		31 (44.9)	115 (59.9)	
Western Europe	31 (22.5)	72 (27.6)		14 (20.3)	55 (28.7)	
South Africa	44 (31.9)	42 (16.1)		24 (34.8)	22 (11.5)	
COPD severity, n (%)						0.212
Stage I–II	83 (60.1)	173 (66.5)	0.205	42 (60.9)	132 (69.1)	

Stage III–IV	55 (39.9)	87 (33.5)		27 (39.1)	59 (30.9)	
Baseline FEV ₁ , L (95% CI)	1.39 (1.31–1.48)	1.49 (1.43–1.54)	0.075	1.37 (1.25–1.48)	1.51 (1.44–1.58)	0.032
Predicted FEV ₁ , % (95% CI)	49.1 (46.8–51.4)	52.2 (50.6–53.9)	0.026	48.2 (45.0–51.5)	53.1 (51.2–54.9)	0.010
Absolute change reversibility, mean (95% CI)	0.15 (0.12–0.18)	0.13 (0.11–0.15)	0.342	0.18 (0.14–0.23)	0.14 (0.12–0.16)	0.059
ICS use, n (%)	69 (50.0)	140 (53.6)	0.489	36 (52.2)	107 (55.7)	0.611
BDI focal score, mean (95% CI)	6.53 (6.19–6.86)	6.73 (6.48–6.98)	0.344	6.64 (6.10–7.17)	6.84 (6.54–7.15)	0.499
Baseline SGRQ total score, mean (95% CI)	47.7 (44.7–50.7)	46.1 (44.1–48.2)	0.396	46.4 (41.9–50.9)	45.1 (42.7–47.5)	0.593

Note: Region: Eastern Europe (Czech Republic, Hungary, Poland, Russia and Ukraine), Western Europe (France, Germany, Italy and Spain).

P-values are based on chi-square for categorical variables (sex, COPD severity, ICS use, country) and t-test for continuous variables (age, FEV₁, reversibility, BDI focal score, SGRQ total score) testing the equality.

^aPatients with at least one exacerbation.

BDI, baseline dyspnoea index; CI, confidence interval; COPD, chronic obstructive pulmonary disease; FEV₁, forced expiratory volume in 1 second; EXACT, EXacerbations of Chronic obstructive pulmonary disease Tool; HCRU, Healthcare Resource Utilisation; ICS, inhaled corticosteroids; SGRQ, St George's Respiratory Questionnaire.