

**Supplemental Table S1.** Outcomes and Resource Utilization (Frail vs. Non-Frail)

Abbreviations: SD = Standard Deviation, AECOPD = Acute Exacerbation of Chronic Obstructive Pulmonary Disease, ICU = Intensive Care Unit, IQR = Interquartile Range

Characteristic	Frail (n = 147)	Non-Frail (n = 243)	Odds Ratio (95% CI)	P Value
<b>Age, years, mean (SD)</b>	68.9 (10.3)	67.8 (11.5)		0.34
<b>Male sex, n (%)</b>	73 (49.7)	111 (45.7)		0.44
<b>Home Oxygen Prior to Admission, n (%)</b>	68 (46.3)	44 (18.1)		<0.001
<b>First AECOPD, n (%)</b>	8 (5.4)	37 (15.2)		<0.01
<b>Previous AECOPD Within 12 months, n (%)</b>				<0.01
0	77 (52.4)	171 (70.4)		
1-2	50 (34.0)	49 (20.2)		
3-5	19 (12.9)	17 (7.0)		
6-8	1 (0.7)	4 (1.6)		
≥ 8	0 (0)	2 (0.8)		
<b>In-Hospital Mortality, n (%)</b>	57 (38.5)	49 (20.2)	2.51 (1.59-3.90)	<0.001
<b>Disposition of Survivors, n (%)</b>				0.55
Home	50 (55.5)	115 (59.3)		
Long-Term Care Centre	40 (44.4)	79 (40.7)		
<b>ICU Length of Stay, days, median (IQR)</b>	5 (3-8)	5 (3-9)		0.23
<b>ICU Readmission Prior to Hospital Discharge, n (%)</b>	17 (11.6)	18 (7.4)		0.16
<b>Hospital Length of Stay, days, median (IQR)</b>	8 (4-15)	10 (5-18.3)		0.05
<b>Hospital Readmission within 30 Days of Discharge, n (%)</b>	21 (23.3)	42 (21.6)		0.75
<b>Resource Utilization, n (%)</b>				
Invasive Mechanical Ventilation	85 (57.8)	130 (53.5)		0.41
Non-Invasive Mechanical Ventilation	45 (30.6)	81 (33.3)		0.58
Central Venous Line	60 (40.8)	96 (39.5)		0.80
Arterial Line	76 (51.7)	117 (48.1)		0.50
Renal Replacement Therapy	10 (6.8)	15 (6.2)		0.81
<b>Duration of Resource Utilization, days, median (IQR)</b>				
Invasive Mechanical Ventilation	2 (0-5)	2.5 (0-6)		0.82
Non-Invasive Mechanical Ventilation	0 (0-1)	0 (0-1)		0.71
Central Venous Line	0 (0-4.3)	0 (0-5)		0.86
Arterial Line	2 (0-5)	2 (0-6)		0.86
Renal Replacement Therapy	0 (0-0)	0 (0-0)		0.92