



Optimizing the 6-Min Walk Test as a Measure of Exercise Capacity in COPD

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e-Appendix 1.

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**e-Table 1. Baseline characteristics of participants included in the current analysis (median [Inter-quartile range, IQR]).**

Characteristic	Full cohort† [median, (IQR)]	Six-month follow-up cohort^ [median, (IQR)]
<i>N</i>	396	138
Age, years	68.0 (65.0,71.0)	68.1 (63.5,70.7)
Body mass index, kg/m ²	24.4 (21.9,27.1)	24.9 (21.9,27.4)
FEV ₁ , % predicted	26.0 (21.0,31.0)	26.0 (22.0,31.0)
FVC, % predicted	66.0 (55.0,76.5)	66.0 (55.0,77.0)
FEV ₁ /FVC ratio	31.2 (26.4,35.9)	32.5 (28.4,37.3)
TLC, % predicted	129.0 (121.0,139.0)	130.0 (120.0,138.0)
RV, % predicted	225.0 (197.5,254.0)	225.5 (194.0,256.0)
RV/TLC ratio	65.6 (60.5,72.0)	65.1 (60.8,71.4)
DL _{CO} , % predicted	28.0 (21.0,34.0)	29.0 (22.0,35.0)
SGRQ total score	55.1 (45.5,66.3)	55.0 (45.3,64.6)
SOBQ score	67.0 (55.0,80.0)	65.0 (55.0,78.0)
Exercise capacity, watts	35.0 (22.0,48.0)	35.0 (25.0,50.0)
6MWT distance, feet*	1166 (930,1346)	1175 (967,1404)

Abbreviations: 6MWT, Six Minute Walk Test; DL_{CO}, Diffusing capacity of Carbon Monoxide; IQR, Inter-quartile Range; SGRQ: St George's Respiratory Questionnaire; SOBQ, University of California at San Diego Shortness-of-breath Questionnaire; TLC, Total Lung Capacity.* Obtained from the first walk.

† Group of patients who had data for a two-walk 6MWT at baseline and after rehabilitation but before randomization

^ Group of patients who had data for a two-walk 6MWT from randomization to LVRS or medical therapy
Statistical comparison for all the above characteristics between the two groups was non-significant ($p > 0.05$)



e-Table 2. Supplemental oxygen requirement in cohort of patients studied in NETT

Test	Percentage of patients needing oxygen	Oxygen requirement in liters/min [median, (IQR)]
Pre-rehab		
First walk	76.5%	3 (2-4)
Second walk	76.0%	3 (2-4)
Post-rehab		
First walk	78.8%	3 (2-4)
Second walk	78.8%	3 (2-4)
6-months after LVRS		
First walk	66.2%	3 (2-4)
Second walk	67.6%	3 (2-4)
6-months after medical therapy		
First walk	70.3%	4 (2-5)
Second walk	70.3%	4 (2-5)

Abbreviations: IQR, Inter-quartile range; LVRS, Lung volume reduction surgery