

Online Data Supplement

Original Research

Impact of Coronavirus Disease 2019-Related Infection Prevention and Control Measures on the Occurrence of COPD Exacerbations During Inpatient Pulmonary Rehabilitation

Kiki Waeijen-Smit^{1,2} Sarah Houben-Wilke¹ Rein Posthuma^{1,2} Fenne de Jong¹ Daisy J. A. Janssen^{1,3} Nicole P. H. van Loon^{1,4} Bitu Hajjan^{1,2} Sami O. Simons² Martijn A. Spruit^{1,2} Frits M. E. Franssen^{1,2}

¹ Department of Research and Development, Ciro, Horn, the Netherlands

² Department of Respiratory Medicine, School of Nutrition and Translational Research in Metabolism, Faculty of Health Medicine and Life Sciences, Maastricht University Medical Centre, Maastricht, the Netherlands

³ Department of Health Services Research, Care and Public Health Research Institute, Faculty of Health, Medicine and Life Sciences, Maastricht University, Maastricht, the Netherlands

⁴ Department of Internal Medicine, Maastricht University Medical Center, Maastricht, the Netherlands

Address correspondence to:

Kiki Waeijen-Smit

Ciro

Department of Research and Development

P.O. Box 4009

6080 AA Haelen, the Netherlands

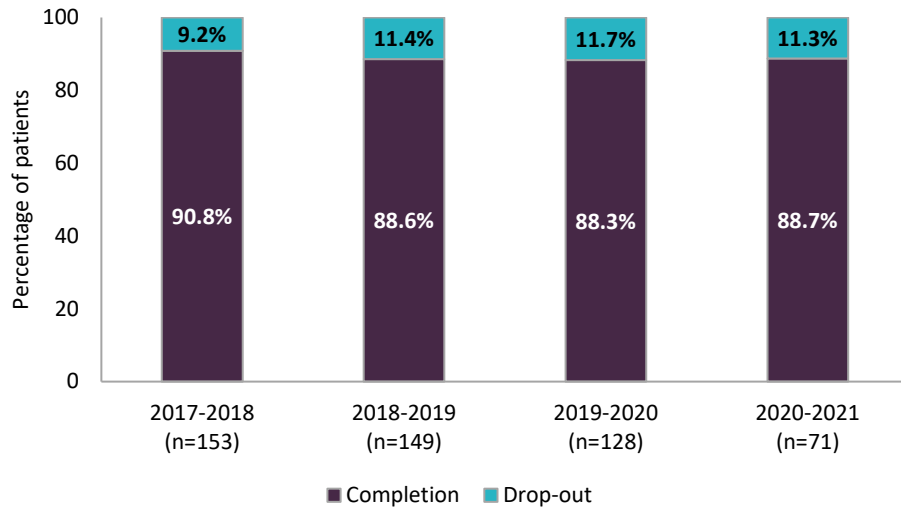
Email: KikiSmit@ciro-horn.nl

Phone: 31 (0) 475 587 602

Drop-out and mortality rates

During 2020-2021, 8 patients (11.3%) dropped-out compared to 15 patients (11.7%) in 2019-2020, 17 patients (11.4%) in 2018-2019 and 14 patients (9.2%) in 2017-2018 (Figure S1A). Drop-out rates did not differ significantly between the different periods (Chi-square, $p=0.892$). The majority of drop-outs was related to physical complaints and non-COPD related hospitalizations (Figure S1B). Drop-out due to AECOPD-related hospital admission occurred in 7.4% of the cases. No significant differences were observed between the total number of deaths between the different periods: 1 patient (1.4%) died during inpatient PR in 2020-2021 compared to 4 patients (3.1%) in 2019-2020, 1 patient (0.7%) in 2018-2019 and 2 patients (1.3%) in 2017-2018 (Chi-square, $p=0.421$).

A.



B.

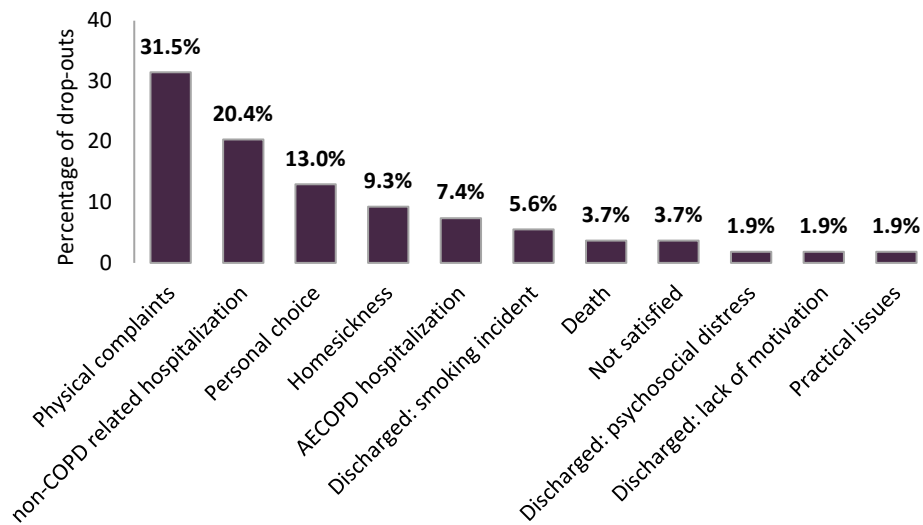


Figure S1. Drop-out during the eight-week inpatient PR program. A: Drop-out rates (%) across the different time periods. B: Reasons for drop-out.