

Significant burden of chronic obstructive pulmonary disease (COPD) on health status and well-being persists among patients experiencing one severe or two or more moderate exacerbations of COPD and their caregivers

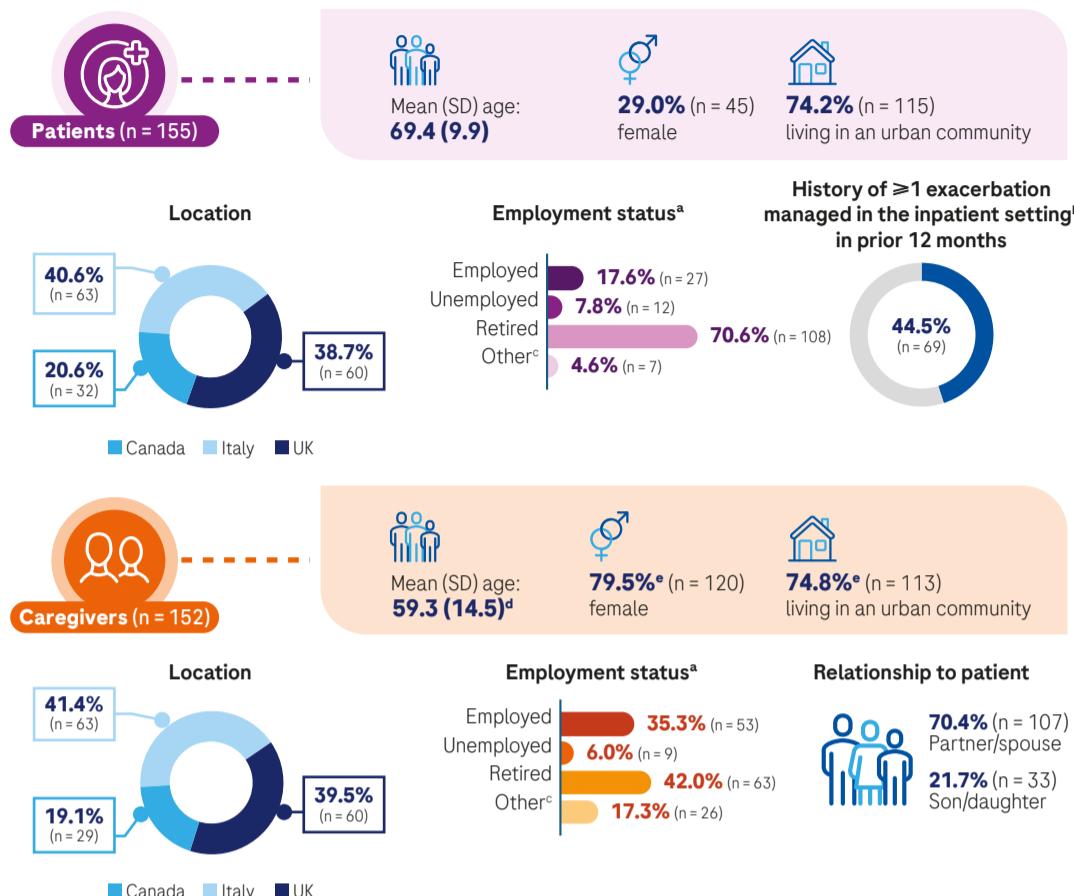
Denise M Boudreau,¹ Johannes Ammann,² Joanna de Courcy,³ Jacob Devine,¹ Paul Hernandez,⁴ Claudio Micheletto,⁵ Jennifer Quint,⁶ Katerina Samara,² Tonya Winders,⁷ Per-Olof Thuresson²

¹Genentech, Inc., South San Francisco, CA, USA; ²F. Hoffmann-La Roche, Ltd., Basel, Switzerland; ³Adelphi Real World, Bollington, UK; ⁴Queen Elizabeth II Health Sciences Centre, Dalhousie University, Halifax, Canada; ⁵University of Verona, Verona, Italy; ⁶Imperial College London, London, UK; ⁷Global Allergy and Airways Patient Platform, Vienna, VA, USA

Results from this cross-sectional study highlight the burden of COPD experienced by patients with a 1-year history of ≥ 1 severe (treated in inpatient settings) exacerbation and/or ≥ 2 moderate (treated in outpatient settings) exacerbations and their informal caregivers. This burden spans health-related quality of life, physical and emotional well-being, caregiving responsibilities and work productivity impairment

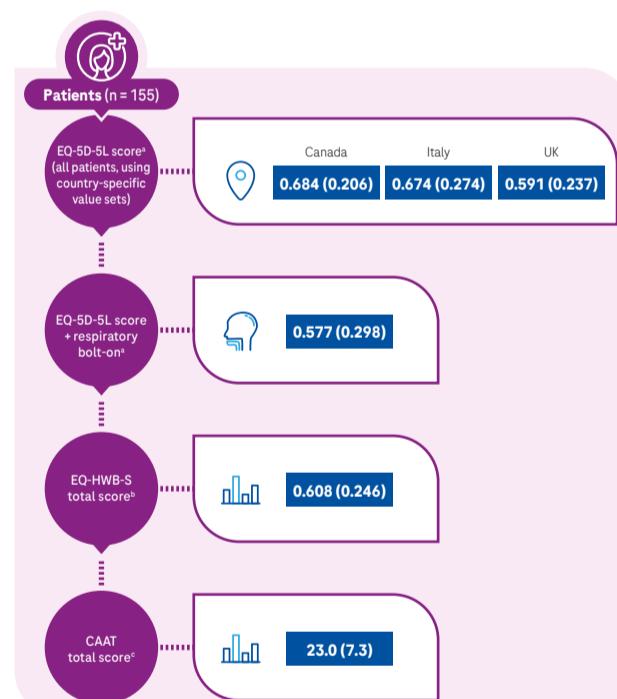
Results

Patient and caregiver baseline characteristics and demographics



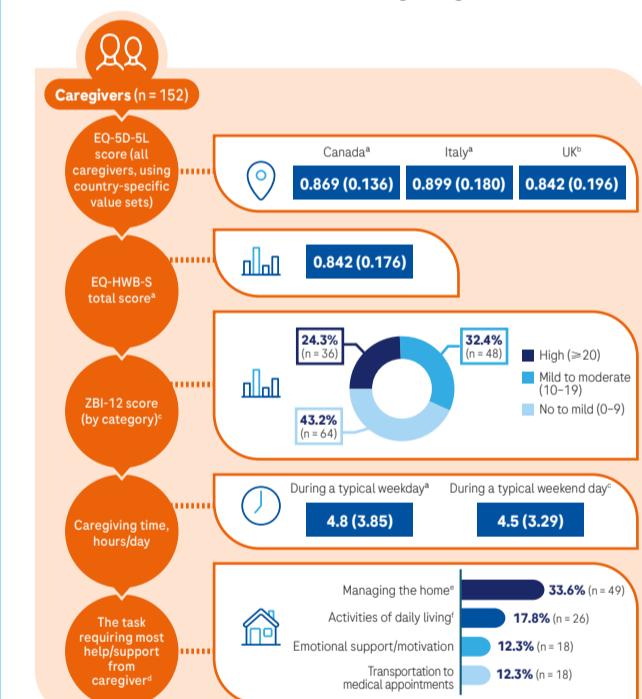
^aPatients, n = 153; caregivers, n = 150; ^bEmergency department or hospitalisation; ^cOther includes full-time homemaker, student, on sick leave, other and prefer not to say; ^dn = 149; n = 151. SD, standard deviation.

Patient-reported outcomes: HRQoL, symptomatic and humanistic burden



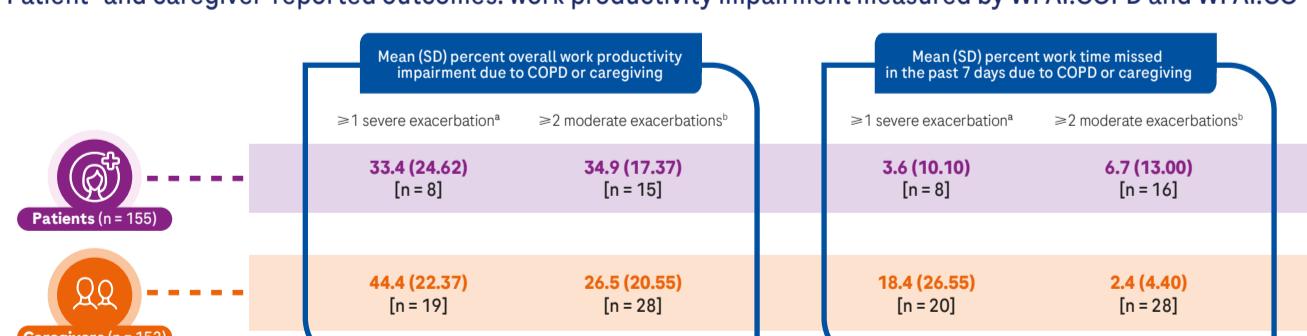
Data are mean (SD).
^an = 152; ^bn = 151; ^cn = 154.
CAAT, Chronic Airways Assessment Test; EQ-HWB, EQ Health and Wellbeing; FEV₁, forced expiratory volume in 1 second; ICS, inhaled corticosteroid; LABA, long-acting beta-agonist; LAMA, long-acting muscarinic antagonist; WPAI:CG, Work Productivity and Activity Impairment questionnaire adapted for caregiving; WPAI:COPD, Work Productivity and Activity Impairment questionnaire: COPD; ZBI-12, short form Zarit Burden Interview.

Caregiver-reported outcomes: HRQoL, symptomatic and humanistic burden and caregiving activities



Data are mean (SD) or percent.
^an = 149; ^bn = 145; ^cn = 148; ^dn = 146; ^ee.g. housekeeping, chores, using appliances; e.g. bathing/showering, dressing. EQ-HWB-S, EQ Health and Wellbeing Short form; HRQoL, health-related quality of life; SD, standard deviation; ZBI-12, short form Zarit Burden Interview.

Patient- and caregiver-reported outcomes: work productivity impairment measured by WPAI:COPD and WPAI:CG



Out of those employed; 0% = no impairment, 100% = complete impairment.

^aSevere exacerbations treated in inpatient settings; ^bModerate exacerbations treated in outpatient settings.

COPD, chronic obstructive pulmonary disease; SD, standard deviation; WPAI:CG, Work Productivity and Activity Impairment questionnaire adapted for caregiving; WPAI:COPD, Work Productivity and Activity Impairment questionnaire: COPD.

Conclusions

- The results of this study highlight the burden that COPD imposes on patients with a history of exacerbations and their informal caregivers
- The study highlighted measures underreported in the literature affecting health-related quality of life, physical and emotional well-being and work productivity impairment



<https://ter.li/c850uf>

Scan the QR code or click here to download a pdf of this poster

ISPOR is not responsible for and does not endorse the data and information presented on external sites