

THE NOVELTY STUDY

Identifying new dimensions in respiratory disease

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Publication alert:

Frequent Productive Cough: Symptom burden and future exacerbation risk among patients with asthma and/or COPD in the NOVELTY study

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- Frequent Productive Cough is defined as cough with sputum production most or several days a week*
- This is **different** from the criteria in the **conventional definition** of **chronic bronchitis**
- **'Frequent'** reflects the potential for **symptom variability across asthma and/or COPD**, as these symptoms may not \bullet necessarily occur every day

'Productive cough' avoids implying a specific pathology, as is the case with the term 'mucus hypersecretion'

Objective

To describe the prevalence of Frequent Productive Cough, patients' baseline characteristics and its association with the risk of future exacerbations

Frequent Productive Cough was commonly reported by patients across asthma and/or COPD:







Frequent Productive Cough was associated with these patient characteristics:[†]



Frequent Productive Cough was associated with future exacerbations:[†]



- **Frequent Productive Cough** is associated with a **higher frequency of future exacerbations** in **patients with asthma** and/or COPD
- **Frequent Productive Cough** should be **routinely recorded** in **research studies**; **future studies** should determine its place in routine care and clinical development as an indicator of increased exacerbation risk and a potential target for interventions

- [†]Multivariate regression analysis adjusted for age, sex, and current smoking status.
- CI, confidence interval; COPD, chronic obstructive pulmonary disease; FEV, forced expiratory volume in 1 s; FPC, Frequent Productive Cough; NOVELTY, NOVEL observational longiTudinal studY; OR, odds ratio. Reference

The NOVELTY study is sponsored by AstraZeneca.

Data for patients from China were excluded from the present analyses due to a change in regulations about data transfer in May 2019.

^{*}Frequent Productive Cough was defined as cough and sputum production most or several days/week for the past 3 months (scoring ≥3 for both St George's Respiratory Questionnaire questions).

Hughes R, et al. Frequent productive cough: Symptom burden and future exacerbation risk among patients with asthma and/or COPD in the NOVELTY study. Respiratory Medicine 2022; 200: 106921.