

7.12 A retrospective analysis of COPD diagnosis and staging in the Respiratory Integrated Care Hub, Chronic Disease Management Programme, Cork City.

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Background: An overview of the diagnosis and staging of patients with COPD assessing symptom control and disease staging.

Objectives: Respiratory disease, specifically COPD and Asthma account for the highest numbers of in-patient hospitalisations and bed days compared to other diseases within our Irish health system. In 2019, COPD was the seventh leading cause of DALYs globally and the eighth leading cause of years of life lost. Acute exacerbations represent the main direct cost for COPD care, accounting for more than 70% of COPD- related costs incurred from emergency visits and hospitalisations, however there are numerous indirect costs.

Methods: We completed an audit of patients presenting to the hub with a confirmed COPD diagnosis in spirometry. N=86 patients had a new diagnosis, of COPD. We evaluated MMRC, Exacerbation history hospital and community, FEV1, change in medications and Disease staging. Smoking history was also evaluated.

Results: We found with early referral and easy access to diagnostics within our service. Patients are diagnosed and optimised on treatment earlier leading to better outcomes for patients.

Funding: *This study has not received any funding.*

Conflict of interest: *The authors declare that they have no conflict of interest.*

References:

Management of Chronic Obstructive Pulmonary Disease (2021) [file:/// 203465_b32876e5-d4ed-484f-832a-1399535228e2.pdf](file:///203465_b32876e5-d4ed-484f-832a-1399535228e2.pdf), Online, Accessed on 10th August 2023.

World Health Organisation (2023) COPD-DALYS, [https://www.who.int/news-room/fact-sheets/detail/chronic-obstructive-pulmonary-disease-\(copd\)](https://www.who.int/news-room/fact-sheets/detail/chronic-obstructive-pulmonary-disease-(copd)), Online, Accessed on 10th August 2023.