

Supplementary File 2. List of excluded studies after full-text screening

No	Excluded studies	Reason for exclusion
1	MacLeod, Mairi, et al. Chronic obstructive pulmonary disease exacerbation fundamentals: diagnosis, treatment, prevention, and disease impact. <i>Respirology</i> . 2021; 26(6): 532-551.	No content about particulate matter
2	Long, Erin, and Christopher Carlsten. Controlled human exposure to diesel exhaust: results illuminate health effects of traffic-related air pollution and inform future directions. <i>Particle and Fibre Toxicology</i> 2022;19(1): 1-35.	No content about the exacerbation of airway disease
3	Johns Hopkins University. Motivational Interviewing and Air Cleaners for Smokers with COPD (MOVE COPD). 15 Sep 2018 to 31 May 2024. Clinical trials. Gov.	Abstract only
4	Ryu, M. H., et al. The Thromboxane A2 Pathway, as Assessed by Urinary Eicosanoids, Is Increased After Acute Controlled Exposure to Diesel Exhaust in Participants with COPD. In: B105. MORE CALLS TO ACTION: AIR POLLUTION EXPOSURES AND HEALTH. American Thoracic Society;2022. p. A3579-A3579.	Abstract only