

Online Supplement

The Association Between Systemic Arterial Hypertension and Chronic Obstructive Pulmonary Disease. Results from the U.S. National Health and Nutrition Examination Survey 1999-2018: A Cross-sectional Study

Xiaopeng Liang, MD¹ Oscar Hou In Chou, MSc¹ Bernard MY Cheung, PhD^{1,2,3}

¹Division of Clinical Pharmacology and Therapeutics, Department of Medicine, School of Clinical Medicine, The University of Hong Kong, Hong Kong, China

²State Key Laboratory of Pharmaceutical Biotechnology, The University of Hong Kong, Pokfulam, Hong Kong, China

³Institute of Cardiovascular Science and Medicine, The University of Hong Kong, Pokfulam, Hong Kong, China

Figure 1. Flow chart of the screening process for the selection of eligible participants in NHANES 1999-2018

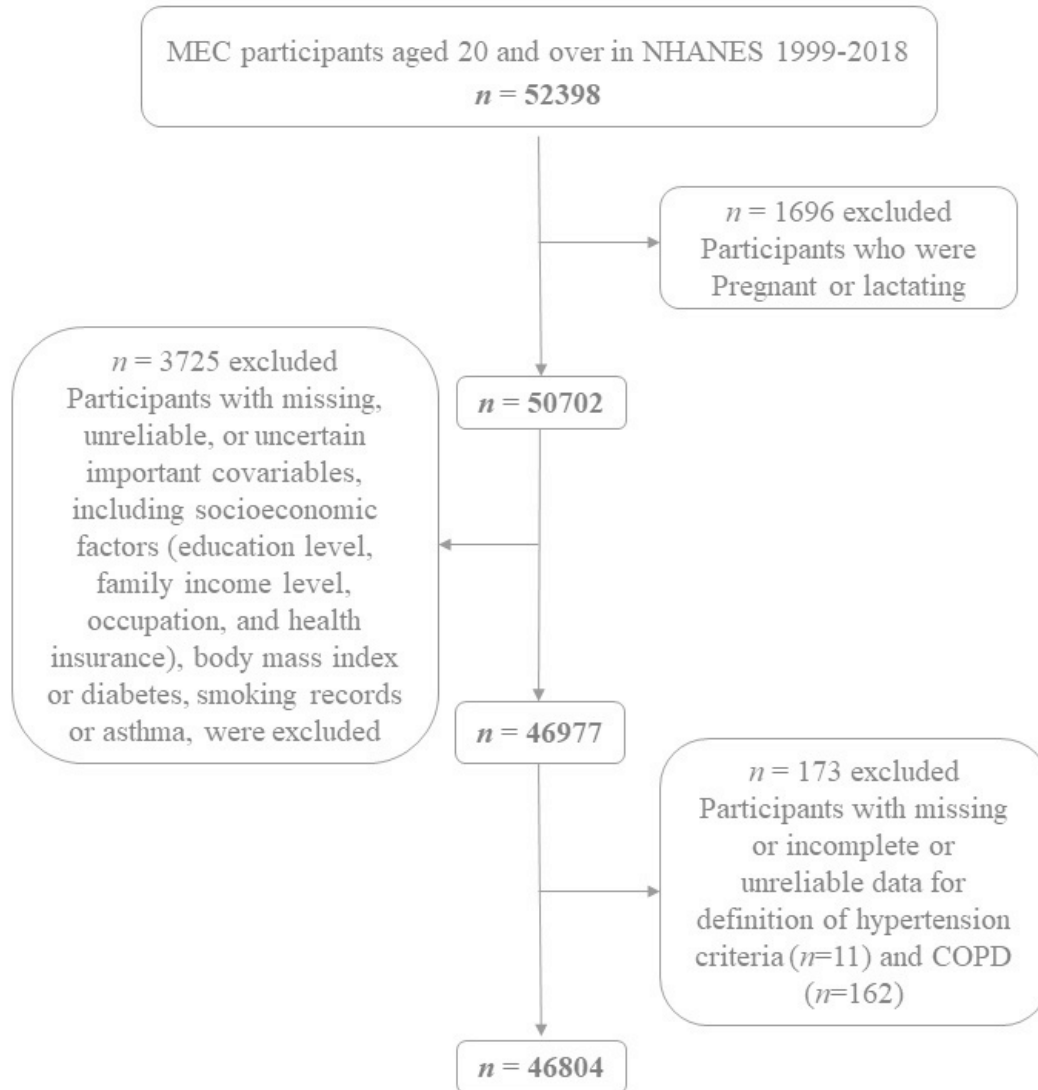
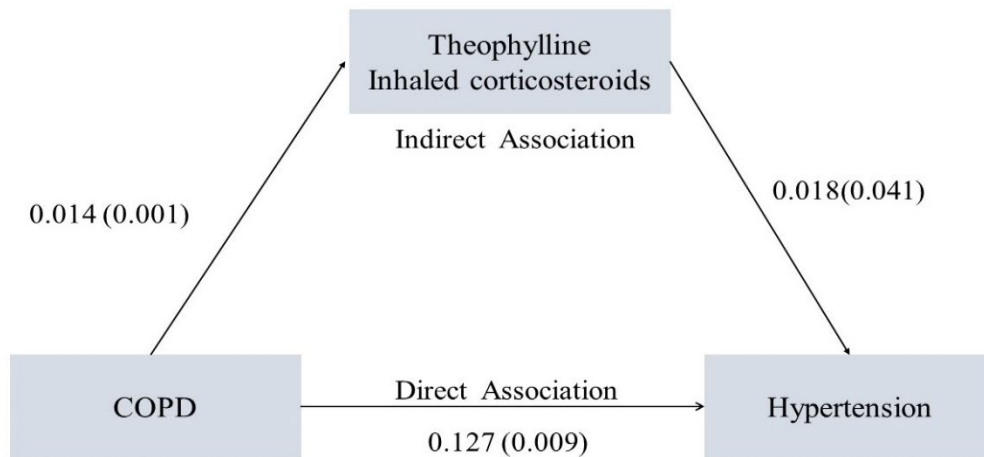


Figure 2. The mediation Analysis of medication (Theophylline and Inhaled corticosteroids) between COPD and hypertension



Figures are expressed by Unstandardized Coefficient beta (Std. Error coefficients)

The indirect effect analysis result for COPD – Theophylline Inhaled corticosteroids—

Hypertension using Sobel Test as follows:

Test statistic= 0.429

Std. Error=0.001

P-value =0.661 > 0.05