

# Elderly, COPD Patients, and High-BMI Individuals Face Increased Pneumonia Risk from Weather and Air Pollution

## CAPNETZ

Prospective pneumonia cohort, 10,660 patients over 14 years, rural and urban areas in Germany



Personal Characteristics



Comorbidities



Weather Conditions

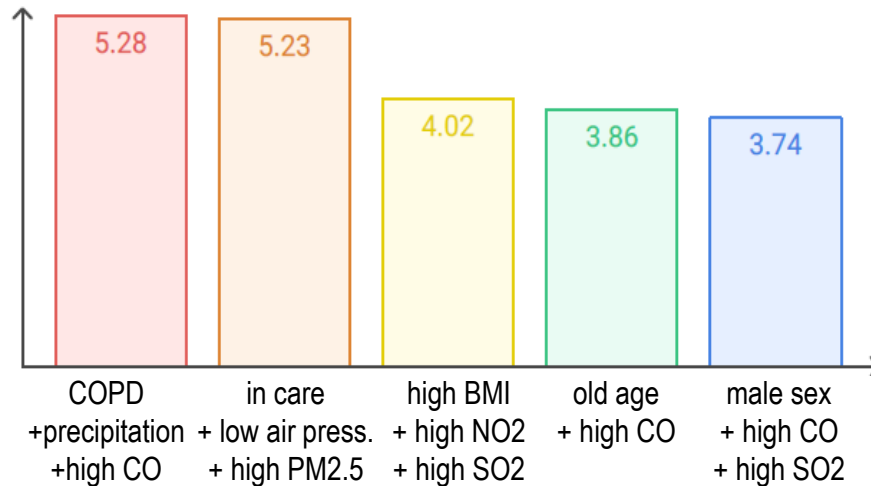


Air Quality



Combinations of weather and air quality factors, personal characteristics and comorbidities increase the risk of pneumonia

PRIF  
Pneumonia Risk Increase Factor



**Recommended measures** include implementing protective strategies for at-risk populations, improving healthcare planning, and enhancing air quality control during weather conditions that exacerbate pneumonia risk.