

# Is Nonobstructive Chronic Bronchitis (CB) Associated With Increased All-Cause Mortality?

## STUDY DESIGN








**Systematic literature review and meta-analysis** to assess the **association of nonobstructive CB** and **all-cause mortality**



8

articles included  
(out of 5014 identified)

## RESULTS

Mortality	Hazard Ratio (95% CI)	Heterogeneity (I <sup>2</sup> )
All-cause	 1.37 (1.26 – 1.50)	29%
Broad definition of CB (any respiratory symptoms)	 1.28 (1.10 – 1.48)	0%
CB	 1.40 (1.26 – 1.56)	37%
In ever smokers 	 1.49 (1.35 – 1.64)	0%
In never smokers 	 1.22 (0.90 – 1.66)	49%

**Nonobstructive CB is associated with increased all-cause mortality, and this association seems to be only present in current and former smokers.**