A Meta-analysis of the Association between Obesity and Early Retirement

Yang, LC¹; Chen, XL²; Feng, X³.

Review question / Objective: Can obesity lead to involuntary or premature retirement?
Condition being studied: Obesity refers to a certain degree of obvious overweight and excessive fat layer. It is a state caused by excessive accumulation of body fat, especially triglycerides. It is an increasingly popular metabolic disease worldwide. According to the World Health Organization standard, overweight and obesity are defined for adults as overweight when a body mass index ≥ 25; obesity when a body mass index ≥ 30.

Information sources: Information for this study was obtained from electronic databases, conference abstracts, newspapers or letters to the editor in the research literature will also be excluded.

INPLASY registration number: This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 18 May 2022 and was last updated on 18 May 2022 (registration number INPLASY202250115).

INTRODUCTION

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METHODS

Participant or population: Obese people (body mass index \(\geq 30\)). The study subjects were obese people, the control measure was normal-weight people, and the outcome measure was the presence or absence of premature retirement behavior. The type of research used in this study is an observational study.

Intervention: None.

Comparator: People with normal body mass index.

Study designs to be included: Observational study (cohort studies, case-control studies, cross-sectional studies).

Eligibility criteria: Inclusion criteria: According to the standard definition of the World Health Organization (WTO), obesity was defined using the Body Mass Index (BMI) as a universal index. The guidelines recommend that all obese patients should calculate BMI and measure waist circumference when necessary. WHO defines BMI \(\geq 25\) as overweight, including pre-obesity \((25 \leq \text{BMI} < 30)\) and obesity \((\text{BMI} \geq 30)\). The premature retirement population in this study refers to the behavior of employees who retire before reaching the age or service period stipulated by the state or the company. The exposure group in this study was an obese population \((\text{BMI} \geq 30)\), and the control group was a non-obese population. Exclusion criteria: This observational study only focuses on the samples of early retirement related to the exposure measure "obesity", others will be included in the exclusion scope. In the literature search, conference abstracts, newspapers or letters to the editor in the research literature will also be excluded.

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Main outcome(s): Risk of all-cause premature retirement in obese patient.