Confounding

Prerequisites for a factor to be a confounder

A Must be a known risk factor for the disease.

B Is associated with the exposure of interest but is not a result of the exposure.

Possible action

- Study design
  - Matching
- Analysis
  - Stratification
  - Adjustment

Population

	CAD	No CAD	
Manual workers	176	136	57 years
Non-manual workers	124	164	45 years
	300 59 years	300 42 years	

$$OR = \frac{176 \times 164}{124 \times 136} = 1.7$$

< 40 years

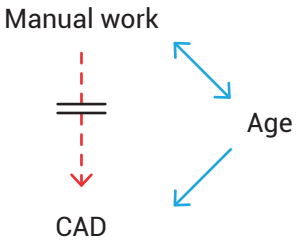
	CAD	No CAD
Manual workers	106	30
Non-manual workers	20	6

$$OR = \frac{106 \times 6}{20 \times 30} = 1.06$$

≥ 40 years

	CAD	No CAD
Manual workers	70	106
Non-manual workers	104	158

$$OR = \frac{70 \times 158}{104 \times 106} = 1$$



The association between manual work and CAD was confounded by age in the hypothetical population in this example.