

Marks

Question 18 (4 marks)

Investigators gathered data on a group of 100 smokers for a period of 10 years. During this time 12 people in the group developed lung cancer, two died in traffic accidents, and three died of heart attacks. The investigators used this data to state that smoking caused lung cancer.

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Describe how this investigation could be improved.

The investigation could be carried out for a longer period of time and this time record ~~people's~~ the smokers details, for example family history of diseases, ^{eg. lung cancer or heart attacks} diet, age, physical activity.

The number of people tested is a sufficient amount.

The investigation should also be carried out in different areas for example not just in urban areas where pollution is a major risk, but also in ~~the~~ rural area.