

Lessons TBAT	Key Knowledge	Practical	Assessment
<p>Explain the factors involved in NCD</p> <p>Compare malignant and benign tumours</p> <p>Explain the effect of smoking and developing lung disease</p> <p>Describe the relationship between diet and exercise and developing cardiovascular disease</p> <p>Describe the effect of alcohol on liver and the brain</p>	<p>Students should be able to:</p> <ul style="list-style-type: none"> <li>• Discuss the human and financial cost of these non-communicable diseases to an individual, a local community, a nation or globally</li> <li>• Explain the effect of lifestyle factors including diet, alcohol and smoking on the incidence of non-communicable diseases at local, national and global levels.</li> </ul> <p>Risk factors are linked to an increased rate of a disease. They can be:</p> <ul style="list-style-type: none"> <li>• Aspects of a person’s lifestyle</li> <li>• substances in the person’s body or environment. A causal mechanism has been proven for some risk factors, but not in others.</li> <li>• The effects of diet, smoking and exercise on cardiovascular disease.</li> <li>• Obesity as a risk factor for Type 2 diabetes.</li> <li>• The effect of alcohol on the liver and brain function.</li> <li>• The effect of smoking on lung disease and lung cancer.</li> <li>• The effects of smoking and alcohol on unborn babies.</li> <li>• Carcinogens, including ionising radiation, as risk factors in cancer.</li> </ul> <p>Many diseases are caused by the interaction of a number of factors.</p> <p>Students should be able to describe cancer as the result of changes in cells that lead to uncontrolled growth and division. Benign tumours are growths of abnormal cells which are contained in one area, usually within a membrane. They do not invade other parts of the body. Malignant tumour cells are cancers. They invade neighbouring tissues and spread to different parts of the body in the blood where they form secondary tumours.</p>	<p>N/A</p>	<p>End of unit test</p> <p>Maths Skills</p> <p>Interpret data about risk factors for specified diseases.</p> <p>Students should be able to understand the principles of sampling as applied to scientific data in terms of risk factors.</p> <p>Students should be able to translate information between graphical and numerical forms; and extract and interpret information from charts, graphs and tables in terms of risk factors.</p> <p>Students should be able to use a scatter diagram to identify a correlation</p>

B7 NCD

	<p>Scientists have identified lifestyle risk factors for various types of cancer. There are also genetic risk factors for some cancers.</p>		<p>between two variables in terms of risk factors.</p>
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