**Biology Revision: Using Data**

Mastery Matrix Points

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| Describe situations where types of diseases interact (poor physical health, viruses causing cancer, pathogens -> allergic reactions, immune system defects -> more susceptible to infectious disease) |
| Translate numerical information between tables and graphs |
| Construct and interpret bar charts and histograms |
| Construct and interpret frequency tables and diagrams |
| Apply the techniques of scientific sampling to disease incident information |
| Discuss the human and financial cost of non-communicable diseases (individual, local community, national and global level) |
| Describe the causal mechanisms of some risk factors for non-communicable diseases (causes of: cardiovascular disease, type 2 diabetes, brain and liver function, lung disease and lung cancer, cancers and foetal damage) including the effects of diet, alcohol and smoking |
| Use a scatter diagram to identify a correlation between two variables (linking to disease incidence) |

Key Knowledge

Understanding and Explaining