

**Experiment node** – where details can be provided about the hypothesis and the effect of interest



uses animals



**Animal characteristics node** – if the animals used in the experiment have distinct sets of characteristics e.g. males and females, or different genotypes, multiple animal nodes should be used

**Intervention node** – in many experiments groups are subjected to interventions, such as a surgical procedure or a drug injection, this nodes contains information about the treatment the animals receive

**Independent variable of interest node** – represents the parameter specifically manipulated to test a predefined hypothesis. It is also known as: predictor variable, factor of interest. The node includes information about the type of variable; this is needed to generate a recommendation regarding appropriate methods of analysis



is factor of interest for

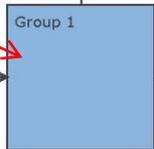
**Group node** – groups are subjected to processes such as intervention or measurements. The group node contains information about sample size and whether it is a control or a test group



subjected to



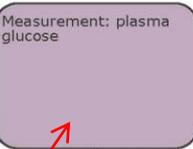
produces



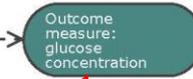
subjected to



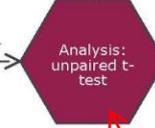
then



recorded as



is output for



**Experimental unit node** – used to define the experimental unit. Multiple nodes should be used if the experimental unit is not the same throughout the experiment

comprises



**Variable category node** – connected to the independent variable node, it defines the levels of the independent variables (of interest or nuisance) used in the experiment. It is also used as 'tags' on the main part of the diagram to indicate which groups are associated with which levels

**Allocation node** – if there are more that one group, the allocation node is used to describe how the groups were formed. The node contains information about the randomisation strategy

**Measurement node** – in all experiments, groups should at one point be subjected to a measurement, this node contains information about the timing of the measurement and whether it is conducted blind

**Outcome measure node** – details the response measured (also known as dependent variable or response variable)

**Analysis node** – which contains details about how the data is analysed. All variables included in a particular analysis should be connected to the analysis node.