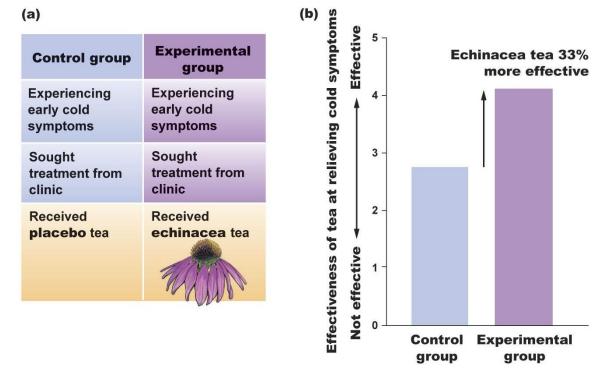
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 do experiments 13 of 39
 preview page

Controlled Experimentale.co.uk

People who received echinacea tea felt that it was 33% more effective at reducing

symptoms.



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Minimizing Bias in Experimental Design

- If human subjects know whether they have received the gel treatment or a placebo, they may be biased.
- Blind experiment: subjects don't know what kind of treatment they have received
- Double blinding: the person administering the treatments also doesn't know until after the experiment is over
- Double blind, placebo-controlled, randomized experiment is the "gold standard"

- To summarize....Notesale.co.uk
 Eliminating bias (a predetermined idea) is done by using blind or double blind experiment.
- Randomize to make sure the sample represents the population

1.3 Understanding Statistics

- Overview: What Statistical Tests Can Tell Us
- Statistics is a branch of mathematics used to compare and understand data
- Can we extend the results from small samples to an entire population?
 - This can be done if the small sample is a good representation of the population.
 - This is done by **random sampling**.

1.3 Understanding Statistics

- Factors that Influence Statistical
 Significance 29 of 39
 Sample size 39

 - The true difference between populations
 - Bigger is better: more likely to detect differences