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Oh What a Pain... Ear Infections Cause Obesity

The purpose of this project was to determine if a history of chronic ear infections could lead to an increased risk of obesity. The researcher believed that those whom had chronic, ear infections are more likely to have a higher BMI (Body Mass Index). To test this, the researcher had to use human subjects to have more accurate results. The researcher sent out forms to the subject's parents asking for a history report of how many ear infections their child had yearly since they were born. After collection of the forms, the researcher started testing the subjects. The subjects' height (inches) and their weight (in pounds) was recorded and used to figure their BMI. To figure this, the subjects' weight was multiplied by 703 and divided by their height squared. The researcher took the average of the BMIs and determined if the hypothesis was proven right by comparing a normal BMI the average. The researcher found the 5th grade class had the lowest amount of ear infections seen at 0, with BMIs that range from underweight to normal, the highest amount of ear infections was 20 with a BMI of 25.5%. The average was 6.7 ear infections, and a BMI of 21.2%. In the 6th grade class, the lowest ear infections is 0 with BMIs that range from underweight, normal, and overweight. The highest amount of ear infections is 21 with a BMI of 15%. The average is 6.3 ear infections and a BMI of 24.5%. The overall average was 5 ear infections and a BMI of 22.3%. The hypothesis was proven to be incorrect.