

Austin LaCost

*The Effect of Age and Humidity on Asthma*

The purpose of this experiment was to find out how age and humidity effects asthma. I believed that if age effects asthma, then the oldest participant will have higher peak flow readings. I also thought that if the humidity level is higher, then the oldest participant will have higher peak flow readings. I used three participants to help me test this project (including me). Two of us had asthma, and the control was the other test subject without asthma. I was the oldest, then, I had one participant at the age of 6, and one participant at age 10. I found that as the humidity increased, my readings increased, Sibling C's readings stayed the same, and Sibling K's readings decreased. As the oldest participant, I had the highest peak flow readings, Sibling K had the second highest readings, and Sibling C had the lowest readings. The reason that my readings were higher is because I have had more years to grow, and while growing, your lungs become stronger. My first hypothesis was supported by the data. The older participant did have the higher peak flow readings on average. My second hypothesis was not entirely supported though.