

How Fast the Zika Virus is Spreading

Team Number:

School Name: Los Alamos Middle School

Area of Science: Life Science

Project Title: The spread of Zika Virus

In the southern hemisphere and the equator a large amount of people are becoming sick with the Zika virus, which is harming both children and adults and disperse all over the world. Zika virus is being spread by mosquitoes, which are hard to control to prevent virus distribution among population. As of today, scientists do not have a proper treatment against Zika virus or a strong way to prevent the virus spreading.

Why it is Important to Solve It

This is a very serious topic, since it concerns health issue. It is harming people all over the globe and will only continue to infect more and spreading out.

What We Will do to Solve It

We will write a code to calculate the speed of spread of Zika virus using following information:

how many people will an infected mosquito bite (on average) in the area;
rate of people exposed the sickness in the last year (or certain period of time);
what conditions are favorable for Zika virus.

Using the results of the simulation predictions, the necessary actions can be taken in the area and spreading of the virus can be stopped.

Team Members

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