

Team Number:

School: Saturday Science and Math Academy

Area of Science: Medicine and Health

Visualizing the Spread of Zika on a Global Scale

Zika is a mosquito-transmitted disease that has recently gained posterity due to the unfortunate birth defects it causes when pregnant women are infected. The main issue with zika is that it is unclear exactly how far from mosquito prone areas women have to be to deliver safe babies. We hope to create a 3 dimensional map that accurately shows the reach of Zika. The purpose of this project is to have a user-friendly visual representation of where it is safe for mothers to give birth. For our project, we want to create a virtual reality model using JavaScript in a frame to create a global map to show which areas are most at risk for Zika. The benefits of using a 3 dimensional model is that it is more realistic and can be used as living model to account for the changing conditions of the disease over time.

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