Key Features

Our application offers a robust simulation fit for both entertainment and science by implementing these key features:

-Layered Information

- Population Density
- Climate
- Wealth
- Average Age

-Interaction

- Pause and modify
- Customize Disease
- Choose the start point

-Captivating GUI

- Colors Show Information
- Text to Show Stats
- Realistic Map

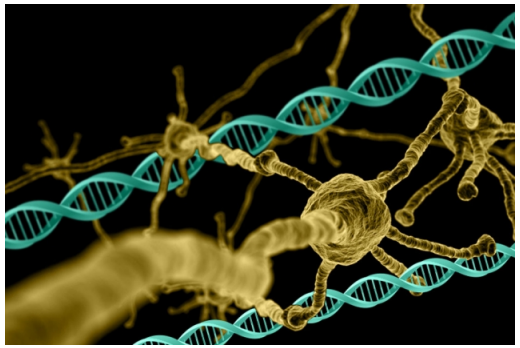
-Simulated Travel

All in Real Time!

How to Use

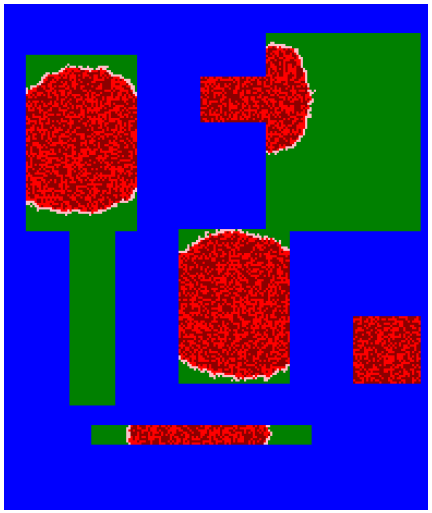
Our Simulation is built into an application able to run on any computer.

1. Download from https://github.com/NMSU-CS-Cook/cs371-project-pandemic
2. Open PandemicSim folder and click on PandemicSim.exe
3. Choose your disease attributes, or click on one of the premade configurations
4. Click start and watch your disease spread (or be cured!).



CS371- Pandemic Simulation

Created by: Tommy Sanchez, Angel Camacho, Long Tran, Santiago Flores, Matt Bundas.

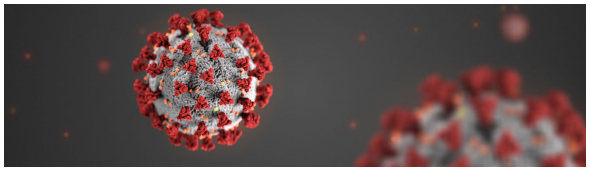


Our Simulation

Our application allows you to run a realistic simulation of the spread of a global pandemic. Interact with our program! Can you stop the spread? Will you wipe out the human race? However, this is not just for entertainment. Use our program as a tool to learn about the spread of disease!

Realism

We've integrated our simulation with accurate, real world, attributes, customized for each location, like wealth, climate and population density to model a realistic world.



Threat of Pandemic Disease

Diseases have the potential to alter the way communities function on a global scale. In a continuously more connected world, the threat is more relevant than ever. Disease has the capacity to not only diminish health and safety, but cut travel, slow business, and cripple large-scale economies.

Importance of Simulation

To attempt to understand and hopefully control the spread of disease on a global scale, humanity must make use of all tools it has available. Simulations of disease allow students and officials to be trained and policy-makers to be educated without having to live out a real pandemic crisis.

Interactive Graphical Interface

Application seamlessly displays the spread of disease in real time, making use of different techniques to display information. From the graphical interface, modify the disease, implement problem solving solutions, and introduce new mechanics to the simulation

Key Clients

Our application is enjoyed by:

- The curious
- Those searching entertainment
- Students and teachers alike
- Scientists of all fields
- Policy Makers

Contact Us

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Github

https://github.com/NMSU-CS-Cook/cs371-project-pandemic