

Name _____

Period _____

YOU GAVE ME *WHAT?*!

A simulation of the spread of a sexually transmitted disease

PURPOSE

- Study how a sexually transmitted infection is quickly transmitted through a population.
- Identify at-risk behaviors for getting a sexually transmitted infection.
- Review some of the sexually transmitted diseases that are common today.

GENERAL INFORMATION ABOUT THIS SIMULATION

This activity is designed to simulate how a sexually-transmitted infection moves through a population, and to illustrate what types of behaviors make you “high-risk” for getting that disease. To get accurate results, the entire class will participate and share data. You will sign up to be in one of 3 groups, and will be asked to behave as someone in this group might behave. The groups are:

Group A: “It Won’t Happen To Me”: Has multiple partners and doesn’t use condoms.

Group B: “Safety First”: Has multiple partners and always uses condoms.

Group C: “Waiting for Mr/Miss Right!”: Is monogamous, and has only 1 partner who is also monogamous. There is a lot of trust between these two, and so they don’t use condoms.

BEFORE YOU START- REVIEW WHAT YOU KNOW

What are the names and symptoms of some sexually transmitted diseases? List as many of them as you can in the box below.

Based on what you have read and learned in school, what behaviors make you more likely to get a sexually transmitted disease? List as many as you can in the box below.

What is your hypothesis about this simulation? Which of the Groups A-C do you think will have the greatest number of “infected” students, and why? Write your hypothesis and reason in the box below.

ANALYSIS OF THE SIMULATION DATA

1. What was the total number of infected students? _____

2. Which of the Groups A, B or C had more infected members? _____

3. Did this match your hypothesis? How was it similar or different?

4. What cup was the one originally infected? Can you tell from this data? How?

5. Explain why public health officials always ask an infected person for his/her list of sexual contacts.

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ROUND 1 RULES

Group A:

Must meet 3 different people.

“Exchange body fluids” when meeting another person from Group A.

Do not exchange body fluid when meeting a person from Group B.

Write contact information in Data Table 1.

Group B:

You must meet 3 different people.

You do not exchange body fluid.

Write contact information in Data Table 1.

Group C:

You are waiting for Mr. Right or Miss Right! You sit out Round 1, but enjoy watching all your friends in action! You also console them when their relationships don't work out!

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ROUND 2 RULES

Group A:

Meet 3 different people, or pick one partner for the rest of the simulation.

“Exchange body fluid” with each person you meet and write the contact information in Table 1.

Group B:

Meet 3 different people, or pick one partner for the rest of the simulation.

If you meet different people, do not exchange body fluid with them.

If you pick a permanent partner, you will exchange body fluid with them.

Write the contact information in Table 1.

Group C:

You must find Mr. Right or Miss Right! When you do, you exchange body fluid with them.

Write the contact information in Data Table 1.

