Pathogen Tracker Game



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Stage Two: Find the Contaminated Food

Level II Student Worksheet

Vocabulary: control group, infected group, matched-pairs analysis, statistical analysis

Remember, as you play this stage of the game, to add to the "Actual Steps" "Stages" in your table on page 2 of your worksheet for Stage One.

Describe in detail the steps in a matched-pairs analysis.

Step 1

Step 2

Step 3

In the Table for Matched-Pairs Analysis below, list the name of the infected person, the control person match, and the characteristics the two have in common.

Table for Matched-Pairs Analysis							
Infected Person	Control Person	Common Characteristics					
L							

List the foods of	commonly	associated	with an	infection t	from each	of the followi	ng bact	eria:
Escherichia co	li (E. coli)	O157:H7,	Listeria	monocyto	genes (L.	monocytoger	nes), and	d
Salmonella.							•	

Escherichia coli (E. coli) O157:H7

Listeria monocytogenes (L. monocytogenes)

Salmonella

In the following table, list all of the foods that could be the possible source of contamination, tell whether or not you will include that food in the simulated interview, and give the reason for your choice.

Food	Yes/No	Reason

Describe how successful you were in choosing the correct foods.

In the table below, record the foods that have been eaten by the infected group and the control group.

Foods Eaten by the Infected Group and the Control Group

Food eaten	Amodin	Jaishree	Matt	James	Roger	Herbert	Franklin	Reginald	Aimee	Sarah

Based on the data in the above table, which food(s) do you predict is the source of the outbreak? What reasons do you have for choosing this food?									
After reviewing the graph "Incidence of Food Consumption", was there a food that more people from the infected group ate than the control group ate? How does this food compare to the food you predicted could be the possible source of the outbreak?									
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Password to continue to Stage Three	·
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