Epidemiology Worksheet

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ My cup #: \_\_\_\_\_\_\_\_\_\_\_

Table 1

|  |  |  |
| --- | --- | --- |
| Sample | Mixed with cup # | Results after phenolphthalein addition (Circle either magenta or colorless |
| A | None | Magenta Colorless |
| B |  | Magenta Colorless |
| C |  | Magenta Colorless |
| D |  | Magenta Colorless |
| Final |  | Magenta Colorless |

Which student had a magenta sample before any mixing? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
(This is patient zero).

Now determine how many people you directly infected. Use the column labeled with the first row on which your solution was magenta. Ignore the other columns. If your first magenta sample is on the final row, then you infected no one. ONLY USE ONE COLUMN.

Table 2

|  |  |  |  |
| --- | --- | --- | --- |
| A | B | C | D |
| On row B of Table 1 I mixed with cup # \_\_\_\_\_\_\_. On row A this cup was (circle one) magenta colorless | X | X | X |
| On row C of Table 1 I mixed with cup # \_\_\_\_\_\_\_. On row B this cup was (circle one) magenta colorless | On row C, of table1, I mixed with cup # \_\_\_\_\_\_\_. On row B this cup was (circle one) magenta colorless | X | X |
| On row D of Table 1 I mixed with cup # \_\_\_\_\_\_\_. On row C this cup was (circle one) magenta colorless | On row D, of table 1, I mixed with cup # \_\_\_\_\_\_\_. On row C this cup was (circle one) magenta colorless | On row D, of table 1, I mixed with cup # \_\_\_\_\_\_\_. On row C this cup was (circle one) magenta colorless | X |
| On row final of Table 1 I mixed with cup # \_\_\_\_\_\_\_. On row D this cup was (circle one) magenta colorless | On row final of Table 1 I mixed with cup # \_\_\_\_\_\_\_. On row D this cup was (circle one) magenta colorless | On row final of Table 1 I mixed with cup # \_\_\_\_\_\_\_. On row D this cup was (circle one) magenta colorless | On row final of Table 1 I mixed with cup # \_\_\_\_\_\_\_. On row D this cup was (circle one) magenta colorless |

Count the number of times that you circled “colorless.” This is the number of people that you directly infected. \_\_\_\_\_\_\_\_\_\_\_\_