



# You have been INFECTED

with Muizenberg Mathematic Fever (MMF)!!!

Please complete the following steps:

- 1) **Send an email to Zinhle** (zinhle@aims.ac.za) with the subject:

“I’VE GOT THE FEVER!”

In the body of the message, include the **date and time** you received this piece of paper.

- 2) **Figure out how many people you will infect** using the following code in the programming language R. R is on all the AIMS computers and can be accessed by typing R in the terminal window (you’ll all know how to do this by the second day):

```
rpois(n = 1, lambda = 2)
```

ONLY DO THIS ONCE! The number R returns is the number of people you will infect.

**Write down the value R returned:** \_\_\_\_\_

- 3) **Go to the following webpage** and print out the number of infection notifications you need to hand out (i.e., the number R returned in step 2):  
<http://www.ici3d.org/MMED/mmfNotification.pdf>

- 4) **Hand each infection notification to another course participant.** A few notes:

- a. ONLY hand the sheet to people listed on the MMED participant list (you may hand the sheet to ANYONE listed). You can refer to the paper copy included in your welcome packet, or find the participant list here:  
<http://www.ici3d.org/MMED/participants/>
- b. Hand out all of your infection notifications **within 48 hours** of having received your own infection notification.
- c. When you hand people an infection notification, be sure to fold it so other people cannot see what is written on it. Hand it to them quietly and when no one else is around so that other participants do not notice.

- 5) **Symptoms:** Type the following code into R:

```
rbinom(n = 1, size = 1, p = .8)
```

ONLY ENTER THIS ONCE! If R returns a 1, tell Eva L. Ujeneza that you have MMF as soon as possible. If R returns a 0, do not tell anyone that you have been infected.

Write down the value R returned: \_\_\_\_\_

- 6) In the table below, write down the names of the people you hand the infection notifications to and the date and time that you hand them the notification:

Name	Date	Time

Also write down your name: \_\_\_\_\_

- 7) **Hand THIS PIECE OF PAPER to Roger Ying** after giving out all of your infection notifications.
- 8) **IMMUNITY:** MMF confers lifetime immunity. You can only be infected once! If someone hands you another infection notification, take it and don't say anything. Do NOT repeat steps 1-6, but do hand this paper to Roger (Step 7).

*If you need help with any of the steps, do not ask anyone for help except Zinhle, Eva, or Roger!!*