

Constructing a Burden of Illness Pyramid for Influenza based on Flutracking data, Sep/Oct 2011.

A method for estimating the relationship between influenza-like illness at the community level with national influenza laboratory reports. Figure and table below describe surveillance levels from cough and fever through to positive laboratory test for influenza (self-reported) among 1,318 Flutracking participants nationally, for the five weeks beginning week ending 18/9/11 to 16/10/11.

This analysis will be repeated throughout the year to monitor changes in the proportion of ILI cases that progress through each step of the surveillance pyramid as influenza incidence increases. Note that all data is self-report. (see screenshot of questions over page).

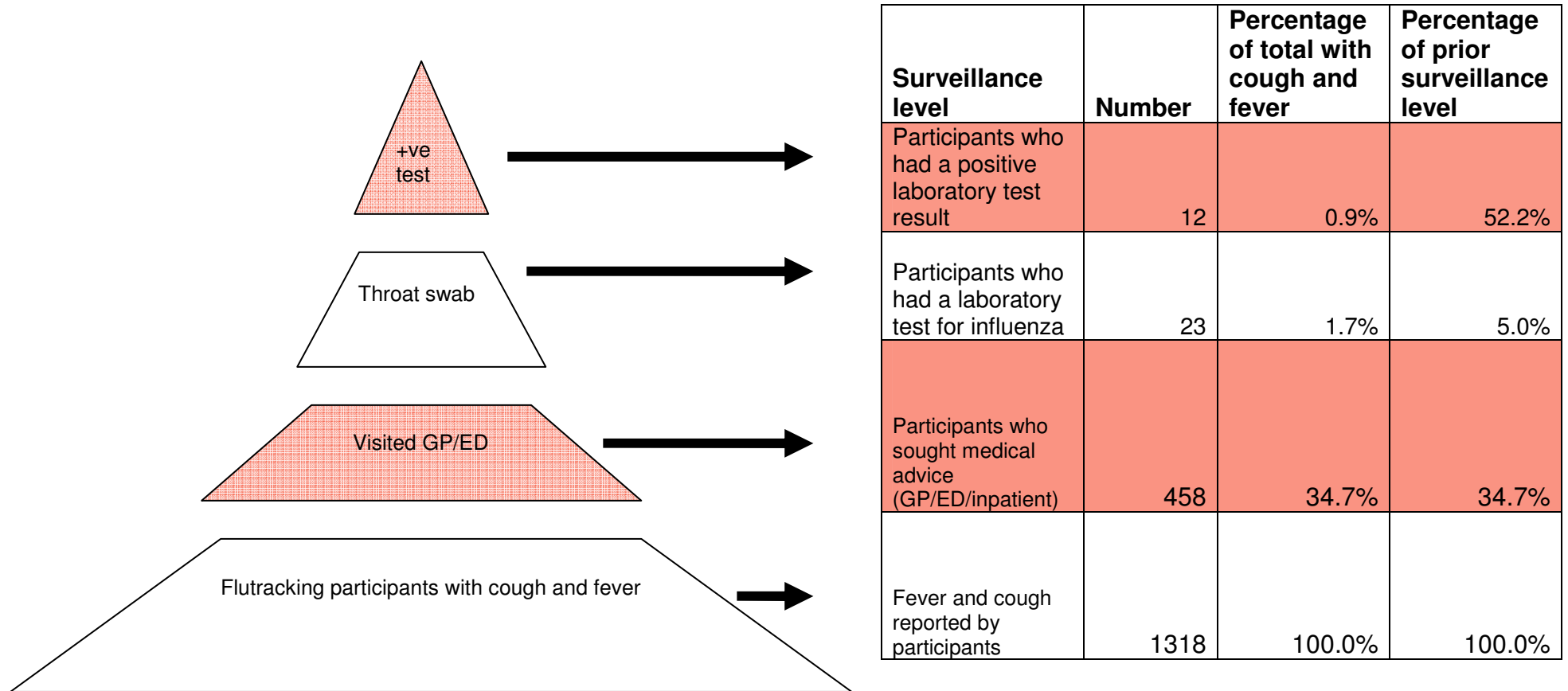


Figure and Table: Surveillance pyramid among 1,318 Flutracking participants nationally, for the five weeks beginning week ending 18/9/11 to 16/10/11.

Weekly Survey

Hello Craig, and thank you for your participation in the "Flutracking Survey" project.

Please answer the following questions and click on the submit button to record your answers.

For the week of **Monday, 6 June 2011** to **Sunday, 12 June 2011**, did you have:

Fever? Yes | No | Don't Know

Cough? Yes | No | Don't Know

Absence from work or normal duties due to fever or cough? Yes | No | Don't Know

If YES; which days did you have off work or have interruption of normal activities? Mon Tue Wed Thu Fri Sat Sun

Did you seek health advice from a nurse or doctor because of this illness? Yes | No

From which type of medical service? (You can select more than one)

- As Admitted Hospital Inpatient
- An Emergency Department/after hours service
- General Practitioner (GP)
- 24 hour health advice hotline
- Other Medical Professional

What was the Diagnosis?

Did you have a Flu Test? (usually a nose or throat swab)

Have you received the Annual Flu vaccine in 2011?

- No, did not have a Flu Test
- Yes, had a Flu Test with NEGATIVE result
- Yes, had a Flu Test with POSITIVE result
- Yes, had a Flu Test but don't know result
- Don't know if I had a Flu Test

The questions about seeking health advice in the screenshot to the left are new for 2011.

A priority for 2011/12 will be to validate the responses to these questions – e.g. validating the proportion of participants who report a positive influenza test against confirmed laboratory results.

We would appreciate any feedback or suggestions for analysis of these data.

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