



## When does fever + rash = Measles?

Does the person have a clinically consistent illness?

## Guidance for health professionals on notification and laboratory testing

Measles is not routinely circulating in the greater Wellington region. Therefore all cases will have been acquired overseas, or from person who has come from overseas, or be part of a localized NZ outbreak. There is a low likelihood of fever and rash being measles in between outbreaks and in the absence of exposure to a known case/overseas travel/ ill overseas visitors during the incubation period (7 to 21 days). Measles is unlikely if someone has had 2 documented doses of MMR (received after 12 months of age) as 99% of recipients are protected. The following information is a guide on when measles lab testing will be most useful for public health control and are the questions public health will ask when you ring to discuss testing.

| Maculopapular rash – generalized   | □ No               | □ Yes                    |
|--|--------------------|--------------------------|
| Fever (or report of fever) still present with rash                         | □ No               | □ Yes                    |
| One of cough or coryza or conjunctivitis (red sore eyes)                   | □ No               | □ Yes                    |
| If yes to <u>all</u> of the above illness questions, continue with the que | stions below.      |                          |
| If NO – measles unlikely, lab testing not indicated. Manage clinic         | cal illness as ind | icated.                  |
| Is the person susceptible to measles?                                      |                    |                          |
| Unimmunized or only 1 MMR vaccine (>12m of age)                            | □ No               | □ Yes                    |
| Person born 1969 – 80 or 1991-96   | □ No               | □ Yes                    |
| Person severely immunocompromised  | □ No               | □ Yes                    |
| If yes to <b>any</b> susceptibility question, continue with the ques       | stions below.      |                          |
| Note: 1 MMR after 12m age = 95% people protected, 2x MMR =                 | 99% of people      | protected                |
| If NO – measles unlikely, lab testing for public health control not        | t indicated. Mar   | nage clinical illness.   |
| Is there a plausible source of infection in the last 3 weeks?              |                    |                          |
| Person been overseas or had overseas visitors                              | □ No               | □ Yes                    |
| Person been in a part of NZ that currently has measles*                    | □ No               | □ Yes                    |
| Person had contact with known measles case                                 | □ No               | □ Yes                    |
| If NO also to these questions, measles unlikely, measles testing t         | for public health  | n control not indicated. |

Is there another reason (e.g. person in ED or 2<sup>nd</sup> presentation of this illness, person immunocompromised or healthcare worker) why public health testing may be indicated?

If measles testing is indicated take a throat or N/P swab using viral transport media (VTM) or urine (babies) for measles PCR testing. Write the following on the laboratory request form;

- Date the rash started
- Testing has been "Discussed with the Medical Officer of Health".