**MEASLES CONTACT INVESTIGATION**

*Use in conjunction with* ***“Measles Contact Spreadsheet”***

*All documentation to be completed in iPHIS\**

**You may have been exposed to a case of red measles at\_\_\_** *<location>***\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ on \_\_\_\_** *dd/mm/year***\_\_\_\_ from *< time>*  to  *<\_time >***

1) Confirm client was in the above location during those times.

2) Did they have anyone with them? *If so obtain their information, add to* ***“Measles Contact Spreadsheet*** *“and follow-up as a separate contact*. *( add contact to case in iPHIS )*

**If client meets criteria of a contact then continue with following assessment:**

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| **Section 1** |

**Assess for Immunity and Occupation: (*Refer to Table 1)***

* Born prior to 1970 and not a Health Care Worker (HCW) or a student/high risk setting.

Consider **IMMUNE. No further action necessary**

* **If HCW, student or works in high risk setting** regardless of year of birth **– *Proceed to Section 3***

* **If born in 1970 or later and does not meeting any of the following criteria:**
* Documented evidence of vaccination with 2 doses of a measles vaccine and ≥1 y/o
* **or** no laboratory evidence of immunity
* **or** no history of lab confirmed measles infection

Consider **SUSCEPTIBLE**: Proceed to Section 2

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| **Section 2** |

**If susceptible: assess if high risk:**

* Pregnant
* Immunocompromised (Chemo, AIDs, High Dose Steroids, HIV positive)

List underlying health conditions:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* < than 1 y/o

**If yes to any of above:** Client eligible for immune globulin within 6 days of exposure to case ***(Refer to Table 2)***

**If no:** Immunize with MMR. ***(Refer to Table 1)***

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| **Section 3** |

**Assess for type of high risk occupation/setting:**

* Health care worker

Place of Employment:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Duties: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(*see exclusion criteria # 1)*

* Non-health care worker working or attending a high risk environment such as:
* *childcare facility*
* *school*
* *post-secondary institution*
* *work with vulnerable populations*

*(see exclusion criteria # 2)*

***Table 1*** Measles Post-exposure Criteria for Immunity

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| **Criteria for immunity against measles in health workers and military personnel** |
| Two documented doses of MMR vaccine regardless of year of birth |
| History of laboratory confirmed infection |
| Laboratory evidence of immunity |
| **Criteria for immunity against measles in students in post-secondary school settings** |
| Two documented doses of MMR vaccine among those born in and after 1970 |
| One documented dose of MMR vaccine among those born before 1970 |
| History of laboratory confirmed infection |
| Laboratory evidence of immunity |

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| **Criteria for immunity against measles in the general population** |
| Born before 1970 |
| Two documented doses of MMR vaccine among those born after 1985 \* |
| One documented dose of MMR vaccine among those born between 1970 and 1984 |
| History of laboratory confirmed infection |
| Laboratory evidence of immunity |

*\*Children who are up-to-date for age (1 year of age up to and including 3 years of age, with one dose of vaccine) are still considered susceptible and should be managed accordingly.*

***Table 2*** Measles post-exposure MMR, IMIg and IVIg recommendations

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| **Contraindications to MMR vaccine** |
| Pregnant |
| Infants < 6 months of age |
| Immunocompromised (Chemo, AIDs, High Dose Steroids, HIV positive) |
| Immunocompetent infants 6-11 months old who present between 72 hours and 6 days after exposure |

|  |  |  |  |
| --- | --- | --- | --- |
| Population | Time since exposure to measles | | |
| ≤ 72hrs | 73 hrs- six days | > 6 days |
| Infants 0-6 months | IMIg (0.5ml/kg) | | n/a |
| Immunocompetent infants 6-12 months | MMR vaccine | IMIg (0.5ml/kg) | n/a |
| Susceptible pregnant individuals | IVIg (400mg/kg) or IMIg (0.5ml/kg) | | n/a |
| Immunocompromised individuals ≥ 6 months | IVIg (400mg/kg)  or  IMIg (0.5ml/kg) limited protection if 30 kg or more | | n/a |
| Individuals with confirmed measles immunity | n/a | | |
| Susceptible Immunocompetent individuals ≥ 12 months | MMR vaccine – (*See Table 2)* | | |

**EXCLUSION CRITERIA**

**FOR HCW’S or Non-HCW’s ATTENDING OR WORKING IN HIGH RISK SETTINGS**

1. Health Care Workers (HCW’s)

All Health Care Workers should notify Occupational Health and/or Infection Prevention and Control for the facility/regional program in which they work.

* Anyone who has either a) received 2 doses of a measles containing vaccine b) has serologic evidence of immunity or c) has a documented history of measles illness

**No exclusion required.**

* Does not meet the above criteria but has received 1 dose of a measles containing vaccine

**Exclude until:**

**Has received the second dose of MMR vaccine OR 21 days after last exposure**

* Any HCW who does not meet any of the above criteria (regardless of birth year)

**These contacts** **should be excluded from work until the 21st day after exposure to the measles case or unless measles serology tests positive for immunity.**

1. High Risk Environments (e.g. childcare, schools, post-secondary institutions, working with vulnerable populations)

* Anyone who has any of the following: a) received 2 doses of a measles containing vaccine b) has serologic evidence of immunity c) has a documented history of measles infection.

**No exclusion required**

* Does not meet the criteria in #1 but has received 1 dose of a measles containing vaccine

**Exclude until:**

**Has received the second dose of MMR vaccine OR 21 days after last exposure**

* Does not meet criteria in #1 and has never received a measles containing vaccine

**Exclude until:**

**Has received a dose of MMR vaccine OR 21 days after last exposure**

\* All documentation to be completed within the comment section of each contact located under the case in iPHIS. If contact is not listed, add contact as per Section 9 in link below <http://www.wrha.mb.ca/extranet/publichealth/files/IPHISQRG.pdf>

Documentation should include immunization status, occupation assessment and interventions. Update contact status as per outcome (ie; closed-risk assessment indicates no need for follow-up, closed-treated, or closed not-located)