

APPENDIX E: Algorithm for assessment and management of persons with definite exposure to measles and public callers with possible exposure to measles at a public site

| Immunization Status → | Birth before 1957 | 2 doses | 1 dose [Ⓔ] | 0 doses | | Unknown | |
|-------------------------|--|--|--|--|--|---|---|
| Risk assessment: | Presumed immune | Presumed immune | ~95% effective | Susceptible! | | Presume susceptible | |
| Prophylaxis: | None | None | MMR within 72 hours of exposure | MMR within 72 hours of exposure; Consider IG (if indicated ¹) within 6 days of exposure* | | MMR within 72 hours of exposure; Consider IG (if indicated ¹) within 6 days of exposure* | |
| Recommendations: | No recommendations or restrictions | No recommendations or restrictions | Second MMR recommended even if >72 hours after exposure (but MMR within 72 hours preferred) | Close Contacts[Ⓔ] (Asymptomatic) | Public Callers[Ⓔ] (Asymptomatic) | Close Contacts[Ⓔ] (Asymptomatic) | Public Callers[Ⓔ] (Asymptomatic) |
| | | | | Do not vaccinate if too late for prophylactic MMR (i.e. >72 hours after exposure) ² | Get a dose of MMR | Draw blood for serum IgG titer and then give a dose of MMR. | Get a dose of MMR. Strongly encourage drawing blood for serum IgG titer. |
| Symptom Watch: | Yes Discuss date of exposure and symptom watch times. | Yes Discuss date of exposure and symptom watch times. | Yes Discuss date of exposure and symptom watch times. Adverse event a possibility 5-12 days after MMR received ³ <ul style="list-style-type: none"> • 5% get rash • 15% get fever | Yes Discuss date of exposure and symptom watch times. Explain what to do if symptoms: i.e. stay home Call PH/HC provider before going to HCF. | Yes Discuss date of exposure and symptom watch times. Explain what to do if symptoms: i.e. stay home Call PH/HC provider before going to HCF. | Yes Discuss date of exposure and symptom watch times. Explain what to do if symptoms: i.e. stay home Call PH/HC provider before going to HCF. | Yes Discuss date of exposure and symptom watch times. Explain what to do if symptoms: i.e. stay home Call PH/HC provider before going to HCF. |
| Exclusion: | None unless symptoms develop. | None unless symptoms develop. | None unless symptoms develop. | Yes! Quarantine ⁴ at home with no non-immune visitors and avoidance of all public settings from 7- 21 days after exposure regardless of whether they received vaccine within 72 hours or IG within 6 days of exposure. | None unless symptoms develop If becomes symptomatic, during the 7-21 days after exposure, isolate ⁴ and test for measles if rash develops. | Stay home from day 7 after exposure until titer results available. If titer positive: no further restrictions and no MMR needed. If titer negative or not done: Quarantine at home ⁴ for 7-21 days after exposure. | None unless symptoms develop If becomes symptomatic, during the 7-21 days after exposure, isolate ⁴ and test for measles if rash develops. If titer positive: no further restrictions. |
| Follow-up: | None | None | None | Vaccinate after 21 days if measles did not develop. | None | Vaccinate after 21 days if no MMR was given and measles did not develop. | None |