

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: Prophylaxis:	Presumed immune	Presumed immune	~95% effective	Susceptible!		Presume susceptible	
	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 • 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.	None unless symptoms develop If becomes symptomatic, during the 7-21 days after exposure, isolate ⁴ and test for measles if rash develops.	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