

Post-exposure prophylaxis (PEP) for measles exposures who are NOT pregnant or immunocompromised

Age range	Measles immune status ^a	PEP type depending on time after initial exposure		
		≤3 days (≤72 hours)	4-6 days	>6 days
All ages	Immune (IgG positive, 2 MMR vaccine doses, or born before 1957 ^b)	<ul style="list-style-type: none"> PEP not indicated. Exposed person has documented immunity 		
<6 months	Non-immune (due to age)	<ul style="list-style-type: none"> Give intramuscular immunoglobulin (IMIG)^{cd} Home quarantine^e for 28 days after last exposure 		<ul style="list-style-type: none"> PEP not indicated (too late)^f Home quarantine^e for 21 days after last exposure
6-11 months	Non-immune (due to age)	<ul style="list-style-type: none"> Give MMR vaccine (MMR vaccine preferred over IG) No quarantine needed 	<ul style="list-style-type: none"> Give intramuscular immunoglobulin (IMIG)^{cd} Home quarantine^e for 28 days after last exposure 	<ul style="list-style-type: none"> PEP not indicated (too late)^f Home quarantine^e for 21 days last after exposure
≥12 months	Non-immune (0 doses MMR vaccine or IgG negative)	<ul style="list-style-type: none"> Give MMR vaccine. No quarantine needed^b 	<ul style="list-style-type: none"> PEP not indicated (too late)^f Home quarantine^e for 21 days after last exposure, then give MMR vaccine to protect from future exposures 	
≥12 months	1 dose of MMR vaccine ^b	<ul style="list-style-type: none"> Give 2nd MMR vaccine dose if ≥28 days from last dose of live vaccine No quarantine needed 	<u>Household member of a confirmed/suspected case</u> <ul style="list-style-type: none"> Obtain IgG titers to determine immunity. Home quarantine^e while awaiting results; if IgG negative, quarantine for 21 days after last exposure (too late for PEP)^f 	
			<u>Not a household member of a confirmed/suspected case</u> <ul style="list-style-type: none"> Age 1-3 years: Less likely to get sick because has 1 dose of MMR Age ≥4 years: Less likely to get sick because has 1 dose of MMR, and give 2nd MMR to protect from future exposures 	
Adults	Unknown measles immune status	<ul style="list-style-type: none"> Give MMR vaccine. No quarantine needed^b 	<u>Household member of a confirmed/suspected case</u> <ul style="list-style-type: none"> Obtain IgG titers to determine immunity. Home quarantine^e while awaiting results; if IgG negative, quarantine for 21 days after last exposure (too late for PEP)^f 	
			<u>Not a household member of a confirmed/suspected case</u> <p>Does contact work in setting with children (daycare/school) or healthcare facility</p> <ul style="list-style-type: none"> <u>Yes</u>: Obtain titers to determine immunity. Home quarantine^e while awaiting results; if IgG negative, quarantine for 21 days after last exposure (too late for PEP)^f <u>No</u>: Contact can reach out to their own provider to obtain measles IgG titers^f 	

^a All persons exposed to measles must be notified of their exposure, regardless of their evidence of immunity to measles.

^b Birth before 1957 or 1 dose of MMR should not be considered sufficient for household members of confirmed measles cases or healthcare workers exposed to measles; without documented positive measles IgG titers or 2 MMR doses, consider them to have unknown immunity. Furlough non-immune healthcare workers for 21 days even if they get MMR PEP.

^c For patients who receive IG, provide these instructions: www1.nyc.gov/assets/doh/downloads/pdf/imm/stay-home-non-cases.pdf

^d Dosing of intramuscular IG for infants aged <12 months is 0.5 mL/kg of body weight (max dose 15mL). Administration of MMR or varicella vaccines must be delayed by 6 months after administration of intramuscular IG and by 8 months after intravenous IG.

^e When instructing home quarantine, ensure that all household members of the exposed individual are immune to measles. IG prolongs the incubation period to 28 days.

^f For patients who do not receive PEP, provide these instructions: www1.nyc.gov/assets/doh/downloads/pdf/imm/stay-home-cases.pdf