

# Measles Post-Exposure Prophylaxis (PEP) Algorithm

Age & Health Status	Vaccination History (Assumes 2 doses of MMR)	
	Yes*	No
<b>Pregnant</b>		
Documented evidence of measles immunity	No action needed	No action needed
No documented evidence of measles immunity	No action needed*	Administer IGIV <sup>§</sup> within 6 days of exposure and administer MMR vaccine post-partum
<b>Immunocompromised</b>		
Immunocompromised	Administer IGIV <sup>§</sup> within 6 days of exposure	Administer IGIV <sup>§</sup> within 6 days of exposure
<b>Age</b>		
<6 months	—	Administer IGIM <sup>†</sup> within 6 days of exposure
6-11 months	—	MMR <sup>†</sup> vaccine if ≤ 72 hours since exposure; IGIM <sup>†</sup> if > 3 days but ≤ 6 days since exposure
≥ 12 months	No action needed*	MMR vaccine if ≤ 72 hours since exposure; IGIM <sup>†</sup> if > 3 days but ≤ 6 days since exposure
Born before 1957 <sup>  </sup>	Assume immunity <sup>  </sup> No action needed	Assume immunity <sup>  </sup> No action needed
<b>Healthcare worker (regardless of age and year of birth)</b>		
Documented evidence of measles immunity	No Action needed	No action needed
No documented evidence of measles immunity	—	MMR vaccine if ≤ 72 hours since exposure; IG <sup>‡§</sup> if > 3 days but ≤ 6 days since exposure.

\* Exposed persons with history of only 1 dose of MMR vaccine should receive a 2<sup>nd</sup> dose of MMR within 72 hours of exposure if 28 days have passed since their 1<sup>st</sup> MMR.

† For infants aged 6-11 months, MMR vaccine can be given in place of IGIM, if administered within 72 hours of exposure. This dose does not count toward the 2-dose series. Infants will also need to receive 2 doses after 12 months of age, separated by at least 28 days.

‡ Recommended dosage for **intramuscular** Immunoglobulin (IGIM) is 0.5mL/kg of body weight; maximum of 15mL

§ Recommended dosage for **intravenous** Immunoglobulin (IGIV) is 400mg/kg. This decision should be made in consultation with the patient's physician.

|| Birth before 1957 is not considered sufficient evidence of immunity for healthcare workers.

Sources: <https://www.cdc.gov/mmwr/preview/mmwrhtml/rr6204a1.htm>;  
<https://www.cdc.gov/vaccines/vpd/mmr/hcp/recommendations.html>

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