



PUTNAM COUNTY DEPARTMENT OF HEALTH

1 Geneva Road, Brewster, NY 10509 ■ 845-808-1390

www.putnamcountyny.gov/health

A PHAB-ACCREDITED HEALTH DEPARTMENT

MEASLES IMMUNITY AND POST-EXPOSURE PROPHYLAXIS (PEP)

Measles immunity:

- Born prior to 1957; or
- Written documentation of 2 doses of measles-containing vaccine for children > 4 years and adults at high risk for exposure transmission (i.e. health care personnel*, international travelers and students at post high school educational institutions) with a minimum interval of 28 days from the first dose to the second dose; or
- Written documentation of one or more doses of a measles-containing vaccine administered on or after the first birthday for children aged 1 through four years and adults not at high-risk; or
- Laboratory evidence of immunity (a titer); or
- Laboratory confirmation of disease.

*In an outbreak setting, health care workers born before 1957 must show proof of immunity such as a positive titer, or show documentation of 2 doses of MMR.

Post-exposure prophylaxis of susceptible contacts:

- Vaccination within 72 hours of exposure, or IG if administered within six days of exposure, may provide some protection or modify the clinical course of disease.
- Contacts who are not vaccinated within 72 hours, and who are not candidates for IG, should still be immunized in order to offer protection against infection from future exposure.

Post-exposure vaccination:

- People born after 1/1/1957 (who are 1 year of age or older) with no recorded measles vaccination should:
 - Receive one dose of MMR vaccine.
 - Be allowed to return to school/work once vaccinated.
 - Receive a second dose of vaccine not less than 28 days later.
- People born after 1/1/1957 with only one recorded dose of measles vaccine should:
 - Receive a second dose.
 - Be allowed to return to school/work once vaccinated.
- Healthy children 6 through 11 months of age:
 - *May* receive MMR vaccine in place of IG (see below) if administered within 72 hours of exposure.
 - This vaccination does NOT count as part of the routine 2-dose MMR series. These children will receive a total of 3 doses of MMR.



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- **The following groups should not receive MMR vaccine, but can receive IG:**
 - Pregnant women, or women planning to become pregnant within the next month,
 - Severely immunocompromised persons,
 - Infants under 6 months of age, or
 - Persons with a history of severe allergic reaction (e.g., anaphylaxis, after a previous dose or to a vaccine component).
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- **Immunoglobulin (IG) Indications:- Give within 6 days of exposure to prevent or modify disease:**
 - Susceptible pregnant women.
 - Infants under 12 months of age.
 - Susceptible household contacts or persons in settings with intense, prolonged close contact not vaccinated within 72 hours of exposure.
 - Severely immunocompromised persons, regardless of immunization status.