

A Quick Look at Using Measles, Mumps, Rubella, Varicella Vaccine (MMRV; ProQuad®)

<p>Indications for Use</p> <ul style="list-style-type: none"> For children aged 12 months through 12 years without evidence of immunity to measles, mumps, rubella and varicella <p>Schedule*</p> <ul style="list-style-type: none"> 2-dose series given at age 12 months & 4-6 years Minimum age for 1st dose: 12 months Maximum age for any dose: 12 years, 364 days Minimum interval between doses: 12 weeks <p>*Due to an increased risk of fever and febrile seizure following the 1st dose of MMRV in children aged 12 months through 4 years, the Advisory Committee on Immunization Practices (ACIP) has made further recommendations: see below</p>	<p>Vaccine Administration</p> <ul style="list-style-type: none"> Subcutaneous (SC) injection in the upper arm or outer aspect of the thigh 5/8 inch needle; 23-25 gauge (all ages) Can be given with other vaccines, at the same visit <ul style="list-style-type: none"> Use separate sites; space at least 1 inch apart <p>Storage and Handling</p> <ul style="list-style-type: none"> Store in the freezer only -58°F to +5°F (-50°C to -15°C) Keep in the original box; protect from light Reconstitute using the Merck diluent only Administer within 30 min of reconstituting If transport is necessary, use a portable freezer unit <div style="text-align: right;">  </div>
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FURTHER ACIP RECOMMENDATIONS

- For the 1st dose of measles, mumps, rubella (MMR) and varicella (Var) vaccines recommended at aged 12 through 47 months:
 - Either MMRV (1 shot) or MMR & Var (2 separate shots) may be given
 - When considering MMRV for the 1st dose at aged 12 through 47 months:
 - Discuss the benefits and risks with the parents
 - Unless the parent expresses a preference for MMRV, give separate MMR & Var vaccines for this 1st dose
- MMRV is generally preferred over separate MMR & Var vaccines only in these situations:
 - For the 1st dose of MMR & Var to a child who is aged 4 through 12 years
 - For the 2nd dose of MMR & Var to a child who is aged 15 months through 12 years
- Refer to these CDC handouts for further information, including a summary on risks:
 - For Parents: “Two Options for Protecting Your Child Against Measles, Mumps, Rubella and Varicella, Know the Facts Before Choosing” <http://www.cdc.gov/vaccines/vpd-vac/combo-vaccines/mmr/vacopt-factsheet-parent.pdf>
 - For Providers: “MMR & Varicella Vaccines or MMRV Vaccine? Discussing the Options with Parents” <http://www.cdc.gov/vaccines/vpd-vac/combo-vaccines/mmr/vacopt-factsheet-hcp.pdf>

MEASLES, MUMPS, RUBELLA AND VARICELLA EVIDENCE OF IMMUNITY FOR CHILDREN LESS THAN AGE 13 YEARS

- Refer to the appropriate Quick Look: “A Quick Look to Using MMR Vaccine” and “A Quick Look to Using Varicella Vaccine”
 - Both posted at www.michigan.gov/immunize under “Provider Information”

CONTRAINDICATIONS

- An anaphylactic reaction to a prior dose of a measles, mumps, rubella or varicella-containing vaccine
- An anaphylactic reaction to a component of either MMR or Var vaccine, including neomycin or gelatin
- Pregnant or planning on becoming pregnant in the next 4 weeks (screen girls within child-bearing years)
- Persons with immunosuppression due to leukemia, lymphoma, generalized malignancy, immune deficiency disease or immunosuppressive therapy (i.e. chemotherapy, certain medications)

PRECAUTIONS

- Moderate to severe acute illness
- History of thrombocytopenia or thrombocytopenic purpura
- Personal or family (i.e., parent or sibling) history of seizures of any etiology
- Receipt of blood or a blood product within the last year. For a reference table, see: “General Recommendations for Immunizations, Recommendations of the ACIP” MMWR January 28, 2011 at www.cdc.gov/vaccines/recs
- Follow the “Live/Live Rule”: Live, attenuated vaccines (LAIV & MMRV) should be given on the same day. If MMR, Var or LAIV were previously given, ensure MMRV is separated by 28 days. If not, the vaccine(s) given 2nd should be repeated 28 days later.

FURTHER POINTS

- There is an MMRV Vaccine Information Statement (VIS), including information about the Michigan Care Improvement Registry (MCIR); VISs are available at www.michigan.gov/immunize or your local health department.
- Document as “MMRV” in MCIR and on the vaccine administration record & immunization record card (under Var & MMR)

Publicly purchased MMRV vaccine can be administered to eligible children 12 months through 12 years of age through the Vaccines for Children (VFC) Program in public clinics and private providers' offices. Eligible children include those who are uninsured, underinsured, Medicaid eligible, Native American or Alaskan Natives. Contact your local health department for more information. For additional information, refer to “Use of Combination Vaccine MMRV, Recommendations of the ACIP” May 7, 2010 and additional MMWRs on MMR and Varicella at www.cdc.gov/vaccines. Updates of this form will be posted at www.michigan.gov/immunize January 16, 2014