



Measles, Mumps, Rubella & Varicella (MMRV) Priorix-Tetra®, ProQuad®

The MMRV vaccine protects against infection from measles, mumps, rubella and varicella in one needle.

Who should get this vaccine? ^{1, 2, 3, 4, 6}

Routinely given to all children at 4 to 6 years of age as their 2nd dose of measles, mumps, rubella and varicella vaccine.

How well does this vaccine work? ^{1, 2, 3, 4, 6}

When given on the recommended schedule:

- 99% of those fully vaccinated are protected against measles.
- 97.4% of those fully vaccinated are protected against mumps.
- 100% of those fully vaccinated are protected against rubella.
- 99.4% of those fully vaccinated are protected against varicella.

Is there an alternative to this vaccine?

At this time there are no other ways to prevent these diseases.

Hand washing and covering the mouth and nose while coughing/sneezing can help reduce the spread of disease.

Is this vaccine safe?

The risk of a serious reaction or side effect from this vaccine is much less than the risk of measles, mumps, rubella or varicella. If you experience any side effect worse than what is listed below, please seek medical advice and notify the health unit.

Common side effects of this vaccine ^{1, 2, 3, 4, 6}

- Pain and redness where needle was given.
- Low grade fever.

Less common (1-10%):

- Measles/rubella/varicella like rash where needle was given.
- Moderate fever (higher than 39°C or 102.2°F).

Rare:

- Blood disorder called Thrombocytopenia (low platelet count) which effects how the blood clots. Most often resolves within 3 months after the needle was given.
- 1 in 1,000,000 people will develop swelling of the brain (encephalitis). 1 in 1000 of those with measles will also develop this swelling of the brain.

Who should **not** receive this vaccine? ^{1, 2, 3, 4, 6}

- Anyone with an allergy to any of the vaccine components or who has had an allergic or anaphylactic reaction to this vaccine.
- Anyone with a weakened immune system.
- Anyone who is pregnant. Women should delay pregnancy by at least 28 days after receiving a live vaccine.
- Anyone with active untreated tuberculosis (TB).
- Anyone who has had another live vaccine in the last 4 weeks.

What is in this vaccine? ^{5, 6}

Priorix-Tetra®	ProQuad®	Also found in...
Neomycin	Neomycin	Antibiotics
Lactose		Milk, yogurt
Mannitol		Mushrooms, trees
Sorbitol	Sorbitol	Laxatives, apricots, peaches
Amino acids		Red meat, quinoa
Egg protein		Eggs
	Sucrose	Table Sugar
	Gelatin	Frozen desserts
	Sodium chloride	Table salt
	Monosodium L-glutamate	Tomatoes, parmesan cheese
	Sodium phosphate	Laxatives, food additive-emulsifier, leavening agent for baked goods
	Urea	Human body

What else do I need to know?

It is important for you to keep a current record of your child's vaccines. When your child begins school you will be asked to provide a copy of this record to the school, who will forward it onto the health unit.

The health unit is required by law to keep immunization records for all children attending a day nursery or school. Health care providers do not share immunization records with the health unit. This is the parent's responsibility. You can share/update your child's record in the following ways:

Use the secure on-line form on our website – www.simcoemuskokahealth.org/immsonline

Fax a copy to 705-721-1495

Mail a copy to: VPD Program, Simcoe Muskoka District Health Unit, 15 Sperling Drive, Barrie, ON, L4M 6K9.

Call Your Health Connection at 705-721-7520.

References

Canadian Immunization Guide. Part 4-Active Vaccines: Measles Vaccine. Ottawa: Public Health Agency of Canada; 2015.

Canadian Immunization Guide. Part 4-Active Vaccines: Mumps Vaccine. Ottawa: Public Health Agency of Canada; 2015.

Canadian Immunization Guide. Part 4-Active Vaccines: Rubella Vaccine. Ottawa: Public Health Agency of Canada; 2015.

Canadian Immunization Guide. Part 4-Active Vaccines: Varicella Vaccine. Ottawa: Public Health Agency of Canada; 2015

Canadian Immunization Guide. Part 1-Key Immunization Information 2013. Table 1: Types and contents of vaccines available for use in Canada. Ottawa: Public Health Agency of Canada; 2015.

Moore, D. Your Child's Best Shot (4th ed.). Canadian Paediatric Society, 2015.