

MCV4 stands for meningococcal conjugate vaccine and MPSV4 stands for meningococcal polysaccharide vaccine. Two doses of, MCV4 are recommended for:

- All adolescents 11-18 years of age, and
- Other people at high risk 2 through 55 years of age.

MCV4 should be given to all adolescents at age 11 or 12 years, unless they have received it before. A booster dose is due at age 16 years. For adolescents who receive the first dose at age 13 through 15 years, a one-time booster dose should be given at age 16 through 18 years.

Children 2 years of age and older and adults who are at high risk for meningococcal disease should receive 2 doses spaced 2 months apart. People at high risk include individuals who:

- Do not have a spleen,
- Have terminal complement deficiencies,
- HIV infection, or
- Will be traveling to countries with high rates of meningococcal disease.

Teens and young adults age 16 through 21 years who receive(d) their first dose of MCV at 16 years of age or older do not need a booster dose.

MPSV4 protects against the same types of meningococcal bacteria as MCV4 and is indicated for use in adults over 55 years of age who are at risk for meningococcal disease.

Teenagers and young adults can also reduce their risk by taking good care of themselves, by eating a balanced diet, getting enough sleep and exercise, as well as avoiding cigarettes and alcohol.

Is this vaccine required to attend school in Oklahoma?

Meningococcal vaccine is required for students who are enrolling for the first time in colleges and post-high school educational programs and who will live in dormitories or on-campus student housing. This vaccine is not required for children in elementary or high school in Oklahoma, even though it is recommended for all adolescents 11 years and older.

Is the meningococcal vaccine safe?

Yes, both types of vaccine are safe; however, there are small risks associated with any vaccine. About half of the people who receive a meningococcal vaccine will have pain and redness where the shot was given, but because the vaccine is not made from the whole bacteria, it cannot cause bloodstream infections or meningitis. A small percentage of people who get the vaccine develop

a fever. Vaccines, like all medicines, carry a risk of an allergic reaction, but this risk is very small.

A few cases of Guillain-Barré Syndrome (GBS), a serious nervous system disorder, have been reported among people who received MCV4. However, GBS is such a rare disease that it is not possible right now to tell if the vaccine is a part of the cause or simply due to chance alone because a number of cases of GBS will occur every year even without the use of MCV4 vaccine.

Does the meningococcal vaccine work?

Yes. A single dose of MCV4 meningococcal vaccine protects about 90 percent of the people who are immunized against meningococcal disease caused by types A, C, Y, and W-135. These types cause almost two-thirds of all meningococcal disease among teenagers in the United States. It does not prevent type B, which causes about one third of the cases in teenagers.

Does the meningococcal vaccine prevent all cases of meningitis?

No, it cannot provide protection against other causes of bacterial meningitis or type B meningococcal disease. Scientists have not been able to make a vaccine that will protect against type B.

Where can I get the vaccine for my son or daughter?

If your child has health insurance, you can obtain the meningococcal vaccine from your regular healthcare provider. All county health departments in Oklahoma have the vaccine available at no charge for children 11 through 18 years of age who:

- Have no health insurance,
- Are Medicaid eligible,
- Are Native American, or
- Have health insurance that does not pay for vaccines or does not pay for meningococcal vaccine;

and for children 2 through 18 years of age who are at high risk from meningococcal disease.

Where can I find more information?

For more information, contact your healthcare provider or local county health department or visit these web sites:

National Meningitis Association at www.nmaus.org

Centers for Disease Control and Prevention at <http://www.cdc.gov/meningitis/index.htm>