

Varicella Vaccination Algorithm



Yes. Type of Report?

Laboratory evidence of immunity

Do not vaccinate. Document in NDIIS

Born in the U.S. before 1980¹

Do not vaccinate. Document in NDIIS

A healthcare provider diagnosis of varicella or verification of history of varicella disease²

Do not vaccinate. Document in NDIIS

History of herpes zoster based on healthcare provider diagnosis

Do not vaccinate. Document in NDIIS

Self/Parental diagnosis/report of history of varicella disease

Not considered adequate history of immunity. Vaccination required.

Does the person/parent/guardian report a history of chickenpox?

How many previous documented doses of varicella vaccine does the patient have?

0

What is the patient's age?

< 12 months of age

Too young to be vaccinated against varicella

12 months – 12 years of age

Needs MMR and varicella vaccine: use MMRV

Needs just varicella vaccine (no MMR): use varicella

13 years of age and older

Vaccinate with 1 dose of varicella vaccine

1

What is the patient's age?

12 months – 3 years

Wait to administer second dose until 4-6 years of age, unless at high-risk³

4 – 6 years

Needs MMR and varicella vaccine: use MMRV

Needs just varicella vaccine (no MMR): use varicella

7 years - 12 years

Needs MMR and varicella vaccine: vaccinate with 1 dose of MMRV at least 3 months after first dose

Needs just varicella vaccine: vaccinate with 1 dose of varicella vaccine at least 3 months after first

13 years and older

Vaccinate with 1 dose of varicella vaccine at least 1 month after first dose

2

What is the patient's age?

12 months – 3 years

Wait to administer second dose until 4-6 years of age, unless at high-risk³

4 – 6 years

Needs MMR and varicella vaccine: use MMRV

Needs just varicella vaccine (no MMR): use varicella

7 years - 12 years

Needs MMR and varicella vaccine: vaccinate with 1 dose of MMRV at least 3 months after first dose

Needs just varicella vaccine: vaccinate with 1 dose of varicella vaccine at least 3 months after first

13 years and older

Vaccinate with 1 dose of varicella vaccine at least 1 month after first dose

No

No further doses needed. Consider immune to varicella

¹Healthcare facilities should consider recommending varicella vaccine for health care workers born before 1980 and without evidence of immunity
²Verification can be done by a clinician (e.g., school or occupational clinic nurse, physician assistant, physician). For atypical and/or mild disease history, epi-link to a typical varicella case or evidence or laboratory confirmation at the time of acute disease should be sought.
³People, at high-risk for varicella (e.g., outbreak settings), may be vaccinated earlier using proper minimum intervals and ages.
Contact the Immunization Unit at vaccine@nd.gov with any questions.