# Inactivated Polio Vaccine (IPV) for Routine, Catch-up and Booster Dose Vaccine Protocol

vaccine protocol for Persons Age 6 weeks and older

**Document reviewed and updated:** **April 18, 2024**

## Condition for protocol

To reduce incidence of morbidity and mortality of poliovirus disease.

## Policy of protocol

The nurse will implement this protocol for catch-up polio vaccination.

## Condition-specific criteria and prescribed actions

**Delete this entire paragraph before printing/signing protocol.**

[Instructions for persons adopting these protocols: The table below lists indication, contraindication, and precaution criteria and suggested prescribed actions that are necessary to implement the vaccine protocol. The prescribed actions include examples shown in brackets but may not suit your institution’s clinical situation and may not include all possible actions. A licensed prescriber must review the criteria and actions and determine the appropriate prescribing action.]

Indications

|  |  |
| --- | --- |
| Criteria | Prescribed action |
| Currently healthy child between the age of 6 weeks and 7 years. | Proceed to vaccinate if meets remaining criteria. |
| Child is less than age 6 weeks. | Hold vaccination; reschedule vaccination when child is at least 6 weeks old. |
| Child is age 4 through 6 years and previously received 4 or more doses of polio-containing vaccine. | Proceed to vaccinate. Final polio dose needs to be on or after age 4 years regardless of number of doses received previously. |
| Person is 7 years or older. | Follow catch-up schedule. |
| Person is more than 1 month behind routine schedule. | Follow catch-up schedule. |
| Person had a prior infection of polio or had prior polio disease. | Not a contraindication; proceed to vaccinate. |
| Currently healthy person 18 years or older without documentation of polio vaccination. | Vaccinate using the age-appropriate catch-up schedule below if meets remaining criteria. |
| Currently healthy person 18 years or older with previous documentation of at least 3 age-appropriate doses of polio vaccine and is at increased risk for poliovirus may receive another dose of IPV. | Give a dose of polio vaccine as a booster dose. |

Contraindications

|  |  |
| --- | --- |
| Criteria | Prescribed action |
| Person had a severe allergic reaction (anaphylaxis) to a previous dose of polio vaccine. | Do not vaccinate; \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Person has a severe allergy (anaphylaxis) to a component of polio vaccine. | Do not vaccinate; \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Precautions

|  |  |
| --- | --- |
| Criteria | Prescribed action |
| Person has a mild illness defined as temperature less than \_\_\_\_°F/°C with symptoms such as [to be determined by medical prescriber]. | Proceed to vaccinate. |
| Person has an acute moderate to severe illness defined as temperature \_\_\_\_°F/°C or higher with symptoms such as [to be determined by medical prescriber]. | Defer vaccination and [to be determined by medical prescriber]. |
| Person is pregnant. | [Defer vaccination until after pregnancy.] [Proceed to vaccinate if the person is traveling to a polio-endemic part of the world or involved in a current outbreak] [Refer to health care provider to determine benefits of vaccination over theoretical risks.] |

## Prescription

### Routine vaccination

Give IPV 0.5 ml, intramuscular (IM) or subcutaneous (SC) at 2 months, 4 months, 6 to 18 months, and 4 to 6 years of age.

### Catch-up schedule

Give IPV 0.5 ml, intramuscular (IM) or subcutaneous (SC). Use the person’s age and history of polio vaccination to determine appropriate schedule.

**For ages 6 months through 6 years:** 4 dose series

Minimum interval between doses\*:

* Dose 1 to dose 2: 8 weeks (4 weeks)\*.
* Dose 2 to dose 3: 8 weeks (4 weeks)\*; 6 months as final dose if current age is 4 years or older.
* Dose 3 to dose 4: 6 months (minimum age 4 years for final dose).

\*The shorter minimum intervals may be used in infants younger than age 6 months if risk of polio exposure is imminent, i.e., community outbreak or travel to endemic area.

**For ages 7 through 18 years:** 3 or 4 dose series

Minimum interval between doses:

* Dose 1 to dose 2: 4 weeks.
* Dose 2 to dose 3: 6 months as final dose.
* Dose 3 to dose 4: Dose 4 is necessary if the 3rd dose was administered before the fourth birthday, or the person has not received an all-IPV or all-Trivalent Oral Polio Vaccine (tOPV) poliovirus vaccination series.

**For adults over age 18 years who are unvaccinated or incompletely vaccinated:** 3 dose series

* Give IPV 0.5 mL, IM, or SC. Two doses separated by 1 to 2 months, and a third dose 6-12 months after the second dose.
* Minimum interval between doses:
  + Dose 1 to dose 2: 4 weeks.
  + Dose 2 to dose 3: 6 months as final dose.

**For adults over age 18 years that have previously completed the polio series and require a booster:** 1 dose

* Give IPV 0.5 ml, IM, or SC.

## Medical emergency or anaphylaxis

Follow pre-established agency protocol for anaphylaxis.

## Question or concerns

**Insert overseeing medical consultant’s information below and delete this sentence before printing/signing.**

In the event of questions or concerns call (insert name) at (insert phone number).

**This protocol shall remain in effect until rescinded.**

Name of prescriber (please print):

Prescriber signature:

Date: