

# VaxCards

Immunization Quick Reference Cards



## DISCLAIMER

The VaxCards booklet is intended to be a general quick reference guide for routine immunization recommendations. The information contained in this guide is for informational purposes only and is not exhaustive. For the most up-to-date and non-routine recommendations, please refer to the Advisory Committee on Immunization Practices' (ACIP) most recent immunization schedules found at [cdc.gov/vaccines/schedules/hcp/index.html](https://cdc.gov/vaccines/schedules/hcp/index.html).

## See Immunization Schedules



## Key

 <i>DTaP / Tdap</i>	 <i>Meningo-coccal</i>	 <i>Rotavirus</i>
 <i>Hepatitis</i>	 <i>MMR</i>	 <i>RSV</i>
 <i>Hib</i>	 <i>Pneumo-coccal</i>	 <i>Combination</i>
 <i>Influenza</i>		 <i>Other</i>

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# DTaP-IPV-HepB *(Pediarix)*

**Manufacturer:** GSK

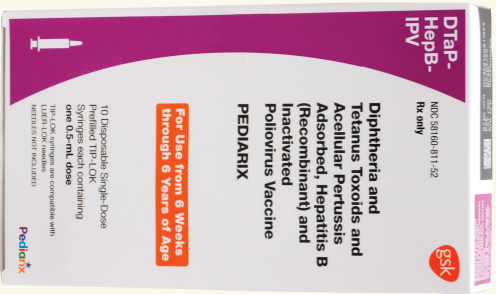
**Ages:** 6 weeks through 6 years

**Dose:** 0.5-mL pre-filled syringe

**Route:** Intramuscular  
(IM) injection

**Storage:** Between 36-46 °F  
(2-8 °C); do not freeze

**Use for:** DTaP and IPV doses 1, 2, and/or 3; HepB any dose in the series (except birth dose); routinely recommended at 2, 4, and 6 months of age



*Side effects: Soreness, redness, swelling, warmth, pain, or tenderness where the shot is given can happen after vaccination. Fever, fussiness, feeling tired, and loss of appetite or vomiting sometimes happen after vaccination. Less common reactions include seizures, non-stop crying for 3 or more hours, or fever above 105 °F.*

# DTaP-IPV-Hib *(Pentacel)*

**Manufacturer:** Sanofi

**Ages:** 6 weeks through 4 years

**Dose:** 0.5-mL single-dose vial DTaP-IPV component and single-dose vial lyophilized ActHIB component

**Route:** Intramuscular (IM) injection

**Storage:** Between 36-46 °F (2-8 °C); do not freeze

**Use for:** DTaP, IPV, Hib doses 1, 2, 3, and/or 4; routinely recommended at 2, 4, 6, and 15 months of age

Reconstitute ActHIB component only with manufacturer-supplied DTaP-IPV component. Use immediately after reconstitution.



*Side effects: Soreness, redness, swelling, warmth, pain or tenderness where the shot is given or fever can happen after vaccination. Less common reactions include seizures, non-stop crying for 3 or more hours, or fever above 105 °F.*

## DTaP-IPV *(Quadracel)*

**Manufacturer:** Sanofi

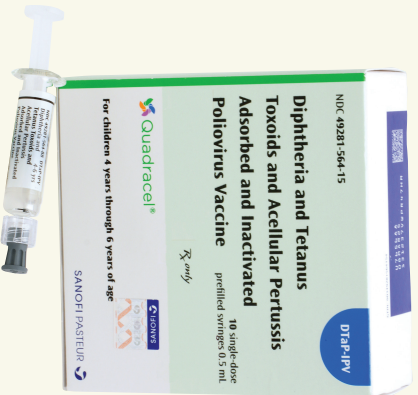
**Ages:** 4 through 6 years

**Dose:** 0.5-mL pre-filled syringe

**Route:** Intramuscular  
(IM) injection

**Storage:** Between 36-46 °F  
(2-8 °C); do not freeze

**Use for:** DTaP dose 5, IPV dose 4  
and/or 5; routinely recommended  
between 4 through 6 years of age



*Side effects: Soreness, redness, swelling, warmth, pain, or tenderness where the shot is given can happen after vaccination. Fever, fussiness, feeling tired, and loss of appetite or vomiting sometimes happen after vaccination. Less common reactions can be seizures, non-stop crying for 3 or more hours, or fever above 105 °F.*



# DTaP-IPV *(Kinrix)*

**Manufacturer:** GSK

**Ages:** 4 through 6 years

**Dose:** 0.5-mL pre-filled syringe

**Route:** Intramuscular  
(IM) injection

**Storage:** Between 36-46 °F  
(2-8 °C); do not freeze

**Use for:** DTaP dose 5, IPV dose 4  
and/or 5; routinely recommended  
between 4 through 6 years of age



*Side effects: Soreness, redness, swelling, warmth, pain or tenderness where the shot is given or fever can happen after vaccination. Less common reactions include seizures, non-stop crying for 3 or more hours, or fever above 105 °F.*

# DTaP-Polio-Hib-HepB *(Vaxelis)*

**Manufacturer:** Sanofi and Merck

**Ages:** 6 weeks through 4 years

**Dose:** 0.5-mL pre-filled syringe

**Route:** Intramuscular (IM) injection

**Storage:** Between 36-46 °F (2-8 °C); protect from light and do not freeze

**Use for:** Routinely recommended at 2, 4, and 6 months of age

- DTaP/IPV: doses 1, 2, and/or 3
- HepB: Any doses in series (except birth)
- Hib: Any dose in the series



*Side effects: Soreness, redness, swelling, warmth, pain, or tenderness where the shot is given can happen after vaccination. Fever, fussiness, feeling tired, and loss of appetite or vomiting sometimes happen after vaccination.*

# HepA *(Vaqta) – Pediatric Formulation*

**Manufacturer:** Merck

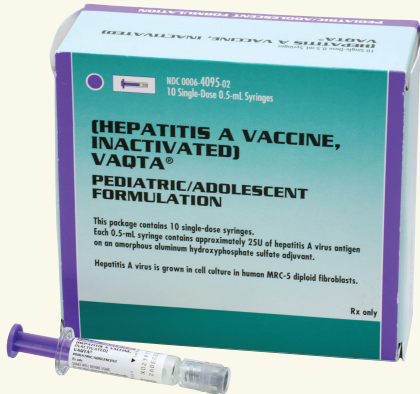
**Ages:** 12 months through 18 years

**Dose:** 0.5-mL pre-filled syringe;  
2-dose series.

**Route:** Intramuscular  
(IM) injection

**Storage:** Between 36-46 °F  
(2-8 °C); do not freeze

**Use for:** Any dose in series at  
least 6 months apart; routinely  
recommended at 12 and 18  
months of age



*Side effects: Soreness or redness where the shot is given, fever, headache, tiredness, or loss of appetite can happen after hepatitis A vaccination.*

# DTaP *(Daptacel)*

**Manufacturer:** Sanofi

**Ages:** 6 weeks through 6 years

**Dose:** 0.5-mL single-dose vial

**Route:** Intramuscular  
(IM) injection

**Storage:** Between 36-46 °F  
(2-8 °C); do not freeze

**Use for:** Any dose in the series;  
routinely recommended at 2,  
4, 6, and 15 months of age and  
between 4 through 6 years of age



*Side effects: Soreness, swelling, redness, pain or warmth where the shot was given; fever; fussiness; feeling tired; loss of appetite; and vomiting sometimes happen after DTaP vaccination. Less common reactions include seizures, non-stop crying for 3 or more hours, or fever above 105 °F.*



# DTaP *(Infanrix)*

**Manufacturer:** GSK

**Ages:** 6 weeks through 6 years

**Dose:** 0.5-mL pre-filled syringe

**Route:** Intramuscular  
(IM) injection

**Storage:** Between 36-46 °F  
(2-8 °C); do not freeze

**Use for:** Any dose in the series;  
routinely recommended at 2,  
4, 6, and 15 months of age and  
between 4 through 6 years of age



*Side effects: Soreness, swelling, redness, pain or warmth where the shot was given; fever; fussiness; feeling tired; loss of appetite; and vomiting sometimes happen after DTaP vaccination. Less common reactions include seizures, non-stop crying for 3 or more hours, or fever above 105 °F.*

# HepA *(Havrix Junior)*

**Manufacturer:** GSK

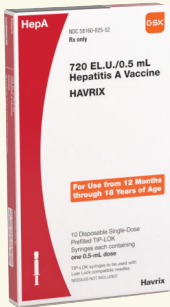
**Ages:** 12 months through 18 years

**Dose:** 0.5-mL pre-filled syringe;  
2-dose series

**Route:** Intramuscular  
(IM) injection

**Storage:** Between 36-46 °F  
(2-8 °C); do not freeze

**Use for:** Any dose in series at  
least 6 months apart; routinely  
recommended at 12 and 18  
months of age



*Side effects: Soreness or redness where the shot is given, fever, headache, tiredness, or loss of appetite can happen after hepatitis A vaccination.*

# HepB *(Engerix-B) – Pediatric Formulation*

**Manufacturer:** GSK

**Ages:** Birth through 19 years

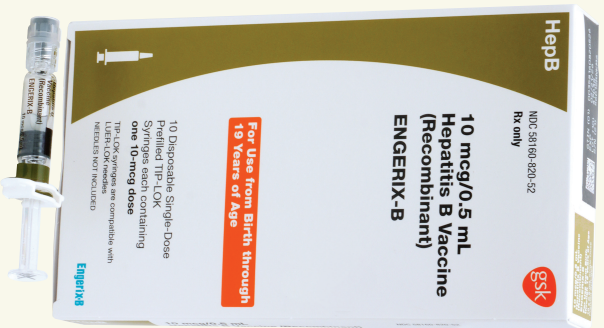
**Standard Dose\*:** 0.5-mL pre-filled syringe; 3-dose series

**Route:** Intramuscular (IM) injection

**Storage:** Between 36-46 °F (2-8 °C); do not freeze

**Use for:** Any dose in series; routinely recommended at birth, 2 months, and 6 months of age

*\*See package insert for non-standard dosage recommendations when indicated.*



*Side effects: Soreness where the shot is given, fever, headache, and fatigue (feeling tired) can happen after hepatitis B vaccination.*

# HepB *(Recombivax HB) – Pediatric Formulation*

**Manufacturer:** Merck

**Ages:** Birth through 19 years

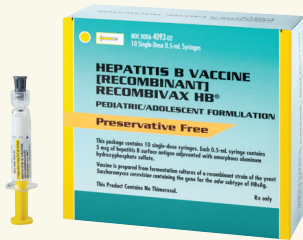
**Standard Dose\*:** 0.5-mL pre-filled syringe or single-dose vial; 3-dose series

**Route:** Intramuscular (IM) injection

**Storage:** Between 36-46 °F (2-8 °C); protect from light and do not freeze

**Use for:** Any dose in series; routinely recommended at birth, 2 months, and 6 months of age

*\*See package insert for non-standard dosage and administration variations.*



*Side effects: Soreness where the shot is given, fever, headache, and fatigue (feeling tired) can happen after hepatitis B vaccination.*



# HepA-HepB *(Twinrix)*

**Manufacturer:** GSK

**Ages:** 18 years and older

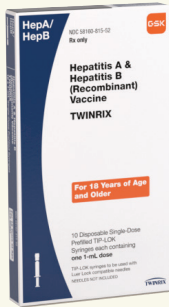
**Dose:** 1.0-mL pre-filled syringe;  
3-dose series

**Route:** Intramuscular  
(IM) injection

**Storage:** Between 36-46 °F  
(2-8 °C); do not freeze

## Use for:

- Any dose of HepB; not recommended if only HepA is indicated
- The second dose must be 4 weeks after the first dose, and the third dose must be 5 months after the second dose



*Side effects: Soreness where the shot is given, fever, headache and fatigue (feeling tired) can happen after hepatitis A/B vaccination.*



# HepB *(Heplisav-B)*

**Manufacturer:** Dynavax

**Ages:** 18 years and older

**Dose:** 0.5-mL pre-filled syringe;  
2-dose series at least 1 month apart

**Route:** Intramuscular (IM) injection

**Storage:** Between 36-46 °F  
(2-8 °C); do not freeze

## **Use for:**

Any dose of HepB; must follow  
3-dose schedule if doses 1 or 2 are  
a different product/brand



*Side effects: Soreness where the shot is given, fever, headache and fatigue (feeling tired) can happen after hepatitis B vaccination.*

# Hib

*(PedvaxHIB)*

**Manufacturer:** Merck

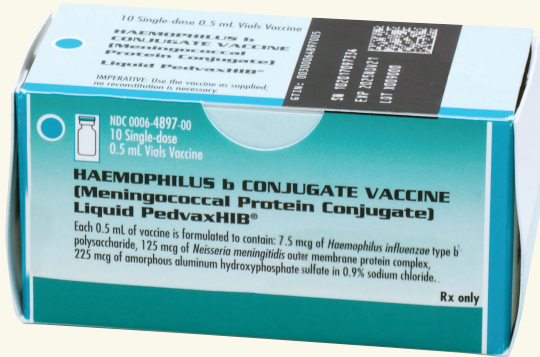
**Ages:** 6 weeks through 4 years; 5 years and older with indications

**Doses:** 0.5-mL single-dose vial; 3-dose series

**Route:** Intramuscular (IM) injection

**Storage:** Between 36-46 °F (2-8 °C); do not freeze

**Use for:** Any dose in the series; routinely recommended at 2 and 4 months of age, followed by a booster dose at age 12 through 15 months



*Side effects: Redness, warmth, and swelling where the shot is given and fever can happen after Hib vaccination.*

# Hib *(ActHIB)*

**Manufacturer:** Sanofi

**Ages:** 6 weeks through 4 years; 5 years and older with indications

**Doses:** 0.5-mL single-dose vial lyophilized vaccine and single-dose vial diluent; 4-dose series

**Route:** Intramuscular (IM) injection

**Storage:** Between 36-46 °F (2-8 °C); do not freeze

**Use for:** Any dose in the series; routinely recommended at 2, 4, and 6 months of age, followed by a booster dose at age 12 through 15 months

Reconstitute lyophilized Hib component with manufacturer supplied vial of diluent only.



*Side effects: Redness, warmth, and swelling where the shot is given and fever can happen after Hib vaccination*



# Hib

*(Hiberix)*

**Manufacturer:** GSK

**Ages:** 6 weeks to 4 years; 5 years and older with indications

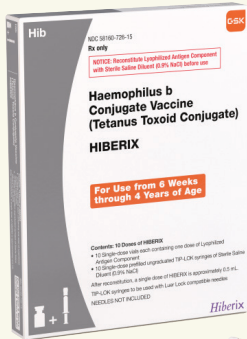
**Doses:** 0.5-mL single-dose vial lyophilized vaccine and single-dose vial or manufacturer-filled syringe diluent; 4-dose series

**Route:** Intramuscular (IM) injection

**Storage:** Between 36-46 °F (2-8 °C); protect from light and do not freeze

**Use for:** Any dose in the series; routinely recommended at 2, 4, and 6 months of age, followed by a booster dose at age 12 through 15 months

Reconstitute lyophilized Hib component with manufacturer supplied vial or manufacturer-filled syringe diluent only.



*Side effects: Redness, warmth, and swelling where the shot is given and fever can happen after Hib vaccination.*

# HPV *(Gardasil 9)*

**Manufacturer:** Merck

**Ages:** 9 through 45 years

**Dose:** 0.5-mL pre-filled syringe; 2-3 dose series

**Route:** Intramuscular (IM) injection

**Storage:** Between 36-46 °F (2-8 °C); protect from light and do not freeze

## **Use for:**

Ages 9-14 years: 2 doses

- *Dose 1 to dose 2: 5 months*

Ages 15-45 years: 3 doses

- *Dose 1 to dose 2: 4-8 weeks*
- *Dose 2 to dose 3: 12 weeks*
- *Dose 1 to dose 3: 5 months. Repeat third dose if administered too soon.*



*Side effects: Soreness, redness, or swelling where the shot is given; fever; or headache can happen after HPV vaccination.*

# Influenza (Flu) *(Flulaval)*

**Manufacturer:** GSK

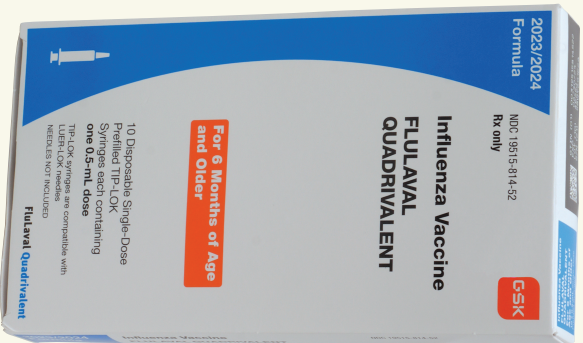
**Ages:** 6 months and older

**Doses:** 0.5-mL pre-filled syringe;  
additional dose recommended  
4 weeks later if child has never  
received a flu vaccine and is under  
the age of 9 years

**Route:** Intramuscular  
(IM) injection

**Storage:** Between 36-46 °F  
(2-8 °C); do not freeze

**Use for:** Recommended annual  
influenza vaccination



*Side effects: Soreness, redness, and swelling where the shot is given; fever; muscle aches; and headache can happen after influenza vaccination. There may be a very small increased risk of Guillain-Barré Syndrome (GBS) after inactivated influenza vaccine (the flu shot).*

# Influenza (FLU) *(Fluzone)*

**Manufacturer:** Sanofi

**Ages:** 6 months and older

**Doses:** 0.5-mL pre-filled syringe or multi-dose vial; additional dose recommended 4 weeks later if child has never received a flu vaccine and is under the age of 9 years

**Route:** Intramuscular (IM) injection

**Storage:** Between 36-46 °F (2-8 °C); do not freeze

**Use for:** Recommended annual influenza vaccination



*Side effects: Soreness, redness, and swelling where the shot is given; fever; muscle aches; and headache can happen after influenza vaccination. There may be a very small increased risk of Guillain-Barré Syndrome (GBS) after inactivated influenza vaccine (the flu shot).*



# Influenza (Flu) *(FluMist)*

**Manufacturer:** AstraZeneca

**Use for:** Annual  
influenza vaccination

**Ages:** 2 through 49 years

**Doses:** 0.2-mL pre-filled syringe;  
additional dose recommended  
4 weeks later if child has never  
received a flu vaccine and is under  
the age of 9 years

**Route:** Intranasal

**Storage:** Between 36-46 °F  
(2-8 °C); protect from light and  
do not freeze



1



With the patient in an upright position, **place the tip just inside the nostril** to ensure FLUMIST QUADRIVALENT is delivered into the nose.

2



With a single motion, **depress plunger as rapidly as possible** until the dose-divider clip prevents you from going further.

3



**Pinch and remove the dose-divider clip** from the plunger.

4



Place the tip just inside the other nostril and with a single motion, **depress plunger as rapidly as possible** to deliver remaining vaccine.

*Side effects: Runny nose or nasal congestion, wheezing, and headache can happen after live-attenuated influenza vaccine (LAIV) vaccination. Vomiting, muscle aches, fever, sore throat, and cough are other possible side effects. People with serious immune system problems should not get the LAIV (FluMist) vaccine.*

# MenACWY *(MenQuadfi)*

**Manufacturer:** Sanofi

**Ages:** 2 years and older

**Dose:** 0.5-mL single-dose vial;  
2-dose series

**Route:** Intramuscular  
(IM) injection

**Storage:** Between 36-46 °F  
(2-8 °C); do not freeze

**Use for:** Any dose in the series;  
routinely recommended at 11  
through 12 years and 16 years  
of age



*Side effects: Redness or soreness where the shot was given can happen after meningococcal ACWY vaccination. A small percentage of people who receive meningococcal ACWY vaccine experience muscle pain, headache, or tiredness.*

# MenACWY *(Menveo)*

**Manufacturer:** GSK

**Ages:** 10 years and older

**Dose:** Single-dose vial;  
2-dose series

**Route:** Intramuscular  
(IM) injection

**Storage:** Between 36-46 °F  
(2-8 °C); protect from light  
and do not freeze

**Use for:** Any dose in the series;  
routinely recommended at ages  
11 through 12 years and 16 years  
of age



*Side effects: Redness or soreness where the shot is given can happen after meningococcal ACWY vaccination. A small percentage of people who receive meningococcal ACWY vaccine experience muscle pain, headache, or tiredness.*

# MenABCWY *(Penbraya)*

**Manufacturer:** Pfizer

**Ages:** 10 through 25 years

**Dose:** 0.5-mL single-dose vial lyophilized MenACWY component and manufacturer-filled syringe MenB component; 1- to 2-dose series

**Route:** Intramuscular (IM) injection

**Storage:** Between 36-46 °F (2-8 °C); do not freeze

**Use for:** Penbraya is recommended between ages 16 through 23 years (preferred age 16 through 18 years) based on shared clinical decision-making. One dose of Penbraya given at the recommended ages completes the MenACWY series and begins the MenB series. Use only Trumenba to complete the MenB vaccine series. A second dose of Penbraya can be administered  
*(continued on back side >>>)*

if the patient has not previously received a dose of vaccine for MenACWY; doses must be at least 6 months apart.



*Side effects: Redness or soreness where the shot is given can happen after meningococcal ACWY vaccination. A small percentage of people who receive meningococcal ABCWY vaccine experience muscle pain, headache, or tiredness.*



# MenB *(Bexsero)*

**Manufacturer:** GSK

**Ages:** 10 years and older

**Dose:** 0.5-mL pre-filled syringe;  
2-dose series

**Route:** Intramuscular  
(IM) injection

**Storage:** Between 36-46 °F  
(2-8 °C); protect from light  
and do not freeze

**Use for:** Any dose in the series;  
doses must be given at least 1  
month apart; recommended  
between ages 16 through 23  
years (preferred age 16 through  
18 years) based on shared  
clinical decision-making

MenB



**Meningococcal  
Group B Vaccine  
BEXSERO**

NDC 58160-976-20  
Rx only

**For Use from 10 through  
25 Years of Age**

10 Single-Dose Prefilled Syringes  
each containing  
**one 0.5-mL dose**  
NEEDLES NOT INCLUDED



**BEXSERO**



*Side effects Soreness, redness, or swelling where the shot is given; tiredness; headache; muscle or joint pain; fever; or nausea can happen after meningococcal B vaccination. Some of these reactions occur in more than half of the people who receive the vaccine.*

# MenB *(Trumenba)*

**Manufacturer:** Pfizer

**Ages:** 10 years and older

**Dose:** 0.5-mL pre-filled syringe;  
2-3 dose series

**Route:** Intramuscular  
(IM) injection

**Storage:** Between 36-46 °F  
(2-8 °C); do not freeze

## Use for:

- Any dose in the series; doses must be at least 6 months apart; recommended between ages 16 through 23 years (preferred age 16 through 18 years) based on shared clinical decision-making
- A third dose may be indicated if the patient is in a MenB outbreak setting or has other medical conditions

NDC 0005-0100-10

# Meningococcal Group B Vaccine

## 4b Trumenba™

For use in individuals  
10 through 25 years of age  
10 One-Dose (0.5 mL)  
Prefilled Syringes

FOR INTRAMUSCULAR USE ONLY

Rx only



## Meningococcal Group B Vaccine

### 4b Trumenba™

10 One-Dose (0.5 mL)  
Prefilled Syringes

↑  
STORE  
SYRINGES  
HORIZONTALLY



*Side effects: Soreness, redness, or swelling where the shot is given; tiredness; headache; muscle or joint pain; fever; or nausea can happen after meningococcal B vaccination. Some of these reactions occur in more than half of the people who receive the vaccine.*

# MMR *(M-M-R II)*

**Manufacturer:** Merck

**Ages:** 12 months and older

**Doses:** 0.5-mL single-dose vial with diluent; 2-dose series

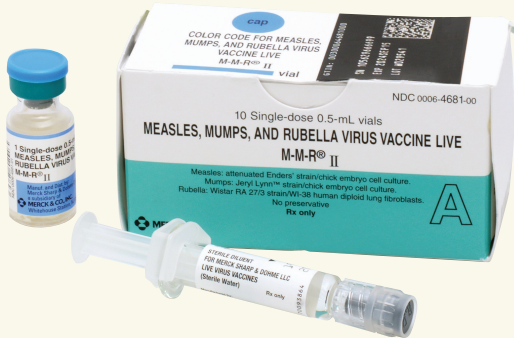
**Route:** Subcutaneous (SQ) or intramuscular (IM) injection

**Storage:** Between -58 °F to 46 °F (-50 °C to 8 °C); protect from light

**Use for:** Any dose in the series; doses must be at least 28 days apart; routinely recommended at 12 through 15 months and between 4 through 6 years of age

**Beyond Use Time:** If not used immediately after reconstitution, store in vaccine vial or syringe in dark place at 36-46 °F (2-8 °C) and discard if not used within 8 hours.

Reconstitute MMR powder only with manufacturer-supplied sterile water. Swirl to mix. Do not shake.



*Side effects: Sore arm from the injection or redness where the shot is given, fever, and a mild rash can happen after MMR vaccination. Swelling of the glands in the cheeks or neck or temporary pain and stiffness in the joints can sometimes occur after MMR vaccination. People with serious immune system problems should not get MMR vaccine.*

# MMR *(Priorix)*

**Manufacturer:** GSK

**Ages:** 12 months and older

**Doses:** 0.5-mL single-dose vial with diluent; 2-dose series

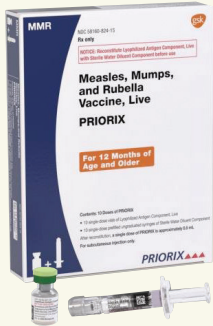
**Route:** Subcutaneous (SQ) injection only

**Storage:** Between -58 °F to 46 °F (-50 °C to 8 °C); protect from light

**Use for:** Any dose in the series; doses must be at least 28 days apart; routinely recommended at 12 through 15 months and between 4 through 6 years of age

**Beyond Use Time:** If not used immediately after reconstitution, store in vaccine vial or syringe in dark place at 36-46 °F (2-8 °C) and discard if not used within 8 hours.

Reconstitute MMR powder only with manufacturer-supplied sterile water. Swirl to mix. Do not shake.



*Side effects: Sore arm from the injection or redness where the shot is given, fever, and a mild rash can happen after MMR vaccination. Swelling of the glands in the cheeks or neck or temporary pain and stiffness in the joints can sometimes occur after MMR vaccination. People with serious immune system problems should not get MMR vaccine.*



# MMRV *(ProQuad)*

**Manufacturer:** Merck

**Ages:** 12 months through 12 years

**Dose:** 0.5-mL single-dose vial with diluent; 2-dose series

**Route:** Subcutaneous (SQ) or intramuscular (IM) injection

**Storage:** Between -58 °F to 5 °F (-50 °C to -15 °C); protect from light

**Use for:** Any dose in the series; doses must be at least 3 months apart; routinely recommended at 12 through 15 months and between 4 through 6 years of age

**Beyond Use Time:** If not used immediately after reconstitution, store in vaccine vial in dark place at 2-8 °C (36-46 °F) and discard if not used within 30 minutes.

Reconstitute MMR powder only with manufacturer-supplied sterile water diluent. Swirl to mix. Do not shake.



*Side effects: Sore arm from the injection, redness where the shot is given, fever, and a mild rash can occur. Swelling of the glands in the cheeks or neck or temporary pain and stiffness in the joints sometimes occur. Seizures, often associated with fever, can happen after MMRV vaccine. People with serious immune system problems should not get the MMRV vaccine.*

# Mpox *(JYNNEOS)*

**Manufacturer:** Bavarian Nordic

**Ages:** 18 years and older

**Dose:**

- 0.5-mL single-dose vial for subcutaneous route (SQ), or
- 0.1-mL multi-dose vial for intradermal route (ID)

**Route:** Intradermal (ID) or subcutaneous (SQ) injection

**Storage:** Between -13 °F to 5 °F (-25 °C to -15 °C); may be stored at 36-46 °F (2-8 °C) for 8 weeks; protect from light

**Use for:** Any person at risk for Mpox infection; 2-dose series, 28 days apart; refer to the ACIP recommendations for a list of risk factors



*Side effects: The most common side effects after JYNNEOS vaccination are pain, redness, and itching at the injection site as well as fever, headache, and tiredness. Keloid scarring can occur when administered intradermally.*

# Pneumococcal *(PCV15 - Vaxneuvance)*

**Manufacturer:** Merck

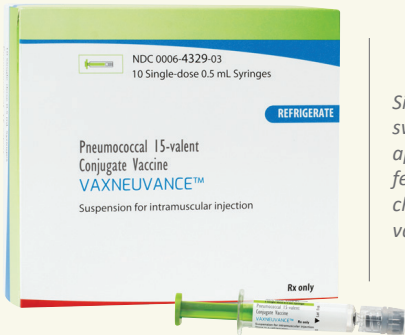
**Ages:** 6 weeks through 4 years; 5 years and older with indications

**Doses:** 0.5-mL pre-filled syringe; 4-dose series

**Route:** Intramuscular (IM) injection

**Storage:** Between 36-46 °F (2-8 °C); protect from light and do not freeze

**Use for:** Any dose in the series; routinely recommended at 2, 4, 6, and 12 through 15 months of age



*Side effects: Pain, erythema, swelling at injection site, loss of appetite, fussiness (irritability), feeling tired, headache, and chills can happen after PCV vaccination.*

# Pneumococcal *(PCV20 - Prevnar 20)*

**Manufacturer:** Pfizer

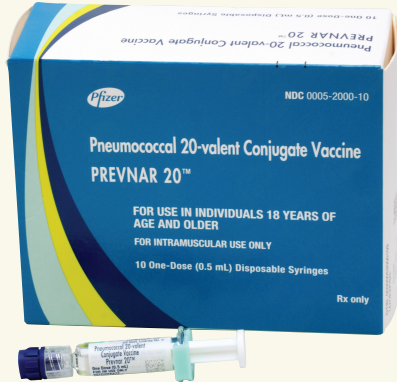
**Ages:** 2 months through 4 years; 5 years and older with indications

**Doses:** 0.5-mL pre-filled syringe; 4-dose series

**Route:** Intramuscular (IM) injection

**Storage:** Between 36-46 °F (2-8 °C); do not freeze

**Use for:** Any dose in the series; routinely recommended at 2, 4, 6, and 12 through 15 months of age



*Side effects: Pain, erythema, swelling at injection site, loss of appetite, fussiness (irritability), feeling tired, headache, and chills can happen after PCV vaccination.*



# Pneumococcal *(PPSV23 - Pneumovax 23)*

**Manufacturer:** Merck

**Ages:** Immunocompromised children 2 years and older with indications

**Doses:** 0.5-mL pre-filled syringe or single-dose vial

**Route:** Intramuscular (IM) or subcutaneous (SC) injection

**Storage:** Between 36-46 °F (2-8 °C); do not freeze

**Use for:** Immunocompromised children based on their health condition; refer to the ACIP immunization schedule for more information



*Side effects: Redness or pain where the shot is given, feeling tired, fever, or muscle aches can happen after PPSV23 vaccination.*

# Pneumococcal *(PCV20 - Prevnar 20)*

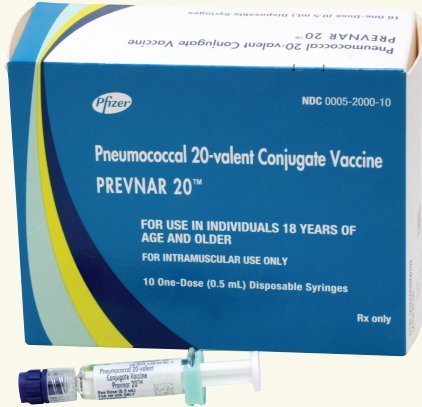
**Manufacturer:** Pfizer

**Ages:** 65 years and older (19 years and older for certain high-risk groups)

**Dose:** 0.5-mL pre-filled syringe; 1-dose series

**Route:** Intramuscular (IM) injection

**Storage:** Between 36-46 °F (2-8 °C); do not freeze



*Side effects: Redness, swelling, pain, or tenderness where the shot is given; fever; loss of appetite; irritability; feeling tired; headache; muscle aches; joint pain; and chills can happen after pneumococcal conjugate vaccination.*

# Polio *(IPOL)*

**Manufacturer:** Sanofi

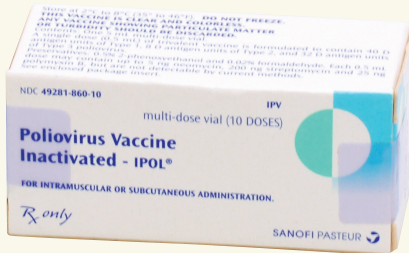
**Ages:** 6 weeks and older

**Dose:** 0.5-mL multi-dose vial

**Route:** Intramuscular (IM) or subcutaneous (SQ) injection

**Storage:** Between 36-46 °F (2-8 °C); protect from light and do not freeze

**Use for:** Any dose in the series; routinely recommended at 2, 4, and 6 through 18 months, and 4 through 6 years of age; final dose must be on or after 4 years of age and at least 6 months after previous dose



*Side effects: Soreness, redness, swelling or pain where the shot is given can happen after polio vaccination.*

# Rotavirus *(Rotarix)*

**Manufacturer:** GSK

**Ages:** 6 through 24 weeks

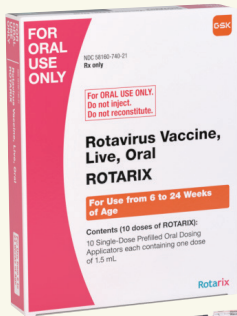
**Doses:** 1.5-mL (prepared) oral dropper; 2-dose series

**Route:** Oral

**Storage:** Between 36-46 °F (2-8 °C); do not freeze

## Use for:

- Any dose in the series; routinely recommended at 2 and 4 months of age
- If any dose in the series is either RotaTeq or unknown, default to a 3-dose series



*Side effects: Irritability or mild, temporary diarrhea or vomiting can happen after rotavirus vaccine. Rarely intussusception can occur 1-2 weeks after vaccination.*



# Rotavirus *(RotaTeq)*

**Manufacturer:** Merck

**Ages:** 8 through 32 weeks

**Doses:** 2.0-mL oral dropper;  
3-dose series

**Route:** Oral

**Storage:** Between 36-46 °F  
(2-8 °C); do not freeze

**Use for:** Any dose in the series;  
routinely recommended at 2, 4,  
and 6 months of age



*Side effects: Irritability or mild, temporary diarrhea or vomiting can happen after rotavirus vaccine. Rarely, intussusception can occur 1-2 weeks after vaccination.*

# RSV

*(Beyfortus/Nirsevimab Monoclonal Antibody)*

**Manufacturer:** Sanofi

**Ages:** Infants younger than 8 months or infants 8 through 19 months with certain high-risk conditions (see ACIP schedule for a list of indicated conditions)

**Route:** Intramuscular (IM) injection

**Storage:** Between 36-46 °F (2-8 °C); do not freeze; protect from light

**Use for:** Infants within 1 week of being born between October and March or administer a dose shortly before RSV season if born between April and September

**Beyond Use Time:** May be kept between 68-77 °F (20-25 °C) for a maximum of 8 hours; discard if not used within 8 hours



**Dose:** 0.5-mL pre-filled syringe; 50-mg dose for infants weighing less than 5 kg (11 lb)



**Dose:** 1.0-mL pre-filled syringe; 100-mg dose for infants weighing more than 5 kg (11 lb)

*Side effects: Temporary pain, redness, and swelling where the injection was given or a rash can happen after RSV vaccination.*

# Shingles/Varicella Zoster *(Shingrix)*

**Manufacturer:** GSK

**Ages:** 50 years and older  
(19 years and older  
for immunocompromised)

**Dose:** 0.5-mL single-dose vial  
with adjuvant; 2-dose series

**Route:** Intramuscular  
(IM) injection

**Storage:** Between 36-46 °F  
(2-8 °C); protect from light  
and do not freeze

**Use for:** Any dose in the series;  
doses must be at least 2  
months apart

**Beyond Use Time:** If not used  
immediately after reconstitution,  
store prepared vaccine in dark  
place at 36-46 °F (2-8 °C) and  
discard vaccine if not used  
within 6 hours.

Reconstitute lyophilized  
varicella zoster component with  
manufacturer supplied adjuvant  
suspension.



*Side effects: A sore arm with mild or moderate pain is very common after recombinant shingles vaccine. Redness and swelling can also happen at the site of the injection. Tiredness, muscle pain, headache, shivering, fever, stomach pain, and nausea are common after recombinant shingles vaccine.*

# Tdap *(Adacel)*

**Manufacturer:** Sanofi

**Ages:** 7 years and older

**Doses:** 0.5-mL single-dose vial

**Route:** Intramuscular  
(IM) injection

**Storage:** Between 36-46 °F  
(2-8 °C); do not freeze

**Use for:** Adolescent dose at 11 through 12 years old, each pregnancy, patients who are not fully vaccinated for pertussis, or every 10 years



*Side effects: Pain, redness, or swelling where the shot was given; mild fever; headache; feeling tired; nausea; vomiting; diarrhea; or stomachache sometimes happen after Tdap vaccination.*



# Tdap *(Boostrix)*

**Manufacturer:** GSK

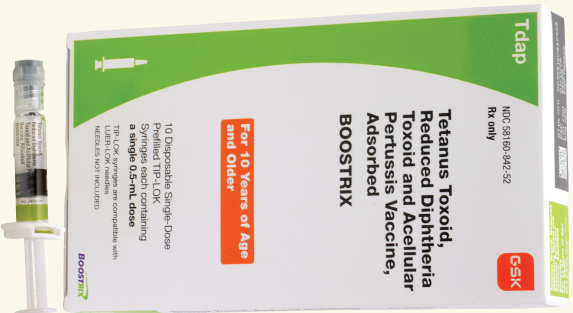
**Ages:** 7 years and older

**Doses:** 0.5-mL pre-filled syringe

**Route:** Intramuscular  
(IM) injection

**Storage:** Between 36-46 °F  
(2-8 °C); do not freeze

**Use for:** Adolescent dose at 11 through 12 years old, each pregnancy, patients who are not fully vaccinated for pertussis, or every 10 years



*Side effects: Pain, redness, or swelling where the shot was given; mild fever; headache; feeling tired; nausea; vomiting; diarrhea; or stomachache sometimes happen after Tdap vaccination.*

# Varicella *(Varivax)*

**Manufacturer:** Merck

**Ages:** 12 months and older

**Dose:** 0.5-mL single-dose vial with diluent; 2-dose series

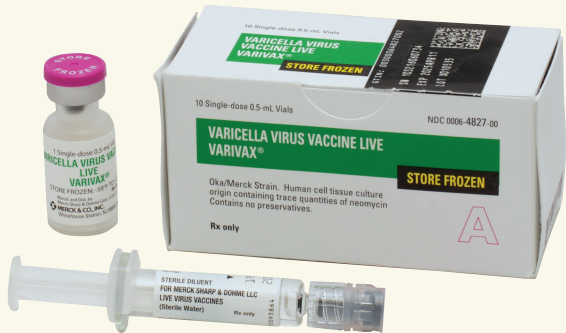
**Route:** Subcutaneous (SQ) injection or intramuscular (IM)

**Storage:** Between -58°F to 5°F (-50 °C to -15 °C); protect from light

**Use for:** Any dose in series; doses must be at least 3 months apart; routinely recommended at 12 through 15 months and between 4 through 6 years of age

**Beyond Use Time:** If not used immediately after reconstitution, store in vaccine vial in dark place at 36-46 °F (2-8 °C) and discard if not used within 30 minutes.

Reconstitute Varivax powder only with manufacturer-supplied sterile water diluent. Swirl to mix. Do not shake.



*Side effects: Sore arm from the injection, redness or rash where the shot is given, or fever can happen after vaccination. More serious reactions happen very rarely. These can include pneumonia, infection of the brain or spinal cord covering, or seizures that are often associated with fever. People with serious immune system problems should not get varicella vaccine.*





Immunization Assessment & Promotion Program