Vaccine Label Examples

Staff can easily become confused about vaccines within the storage unit because there are so many brands and formulations available. Labeling the area where vaccines are stored can help staff quickly locate and choose the correct vaccine—perhaps preventing a vaccine administration error. Depending on how vaccines are organized within the storage unit, labels can be placed on containers or bins or directly attached to shelves where vaccines are placed. Other helpful strategies to prevent vaccine administration errors include color-coding labels (e.g., one color for pediatric and another for adult vaccines) and providing additional information such as age indications or other information unique to the vaccine.

In addition, some vaccines must be reconstituted before administration. These vaccines have two components—a lyophilized vaccine and a diluent that must be mixed together. The lyophilized vaccine should only be reconstituted or mixed using the diluent supplied by the manufacturer. Consider posting reminders or labeling vaccines to remind staff to reconstitute certain vaccines prior to administration.

The following labels are examples that may be used to help organize vaccines. Labels are based on recommendations from the Advisory Committee on Immunization Practices (ACIP) and may include indications different from those of the Food and Drug Administration. The Centers for Disease Control and Prevention (CDC) also recommends vaccines be stored in the original packaging to protect the contents from light, to help maintain the recommended temperature range, and to help prevent administration errors.

Note: Some vaccine preparations are being transitioned from vials and prefilled syringes that contain latex (natural rubber) to vials and prefilled syringes that are not made with natural rubber latex. Read the package insert that accompanies the product to check for the presence of natural rubber or latex.
# Diphtheria- and Tetanus-Toxoid- and acellular Pertussis-Containing Vaccines

<table>
<thead>
<tr>
<th><strong>DTaP (Daptacel)</strong></th>
<th><strong>DTaP-IPV (Kinrix)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ages:</strong> 6 weeks through 6 years</td>
<td><strong>Ages:</strong> 4 years through 6 years</td>
</tr>
<tr>
<td><strong>Use for:</strong> Any dose in the series</td>
<td><strong>Use for:</strong> DTaP dose #5</td>
</tr>
<tr>
<td><strong>Route:</strong> Intramuscular (IM) injection</td>
<td><strong>IPV dose #4</strong></td>
</tr>
<tr>
<td><strong>Tip cap of prefilled syringe contains latex</strong></td>
<td><strong>Do NOT use for DTaP doses 1 through 4 OR IPV doses 1 through 3</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>DTaP (Infanrix)</strong></th>
<th><strong>DTaP-IPV-HepB (Pediarix)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ages:</strong> 6 weeks through 6 years</td>
<td><strong>Ages:</strong> 6 weeks through 6 years</td>
</tr>
<tr>
<td><strong>Use for:</strong> Any dose in the series</td>
<td><strong>Use for:</strong> DTaP and IPV: Doses #1, #2, and/or #3 HepB: Any dose in the series <strong>Do NOT use for HepB birth dose</strong></td>
</tr>
<tr>
<td><strong>Route:</strong> Intramuscular (IM) injection</td>
<td><strong>Route:</strong> Intramuscular (IM) injection</td>
</tr>
<tr>
<td><strong>Tip cap of prefilled syringe contains latex</strong></td>
<td><strong>Tip cap of prefilled syringe contains latex</strong></td>
</tr>
</tbody>
</table>
Diphtheria- and Tetanus-Toxoid- and acellular Pertussis-Containing Vaccines

**DTaP-IPV/Hib (Pentacel)**

**Ages:** 6 weeks through 4 years

**Use for:**
- DTaP and IPV: Doses #1, #2, #3, and/or #4
- Hib: Any dose in the series

**Route:** Intramuscular (IM) injection

Reconstitute Hib powder ONLY with manufacturer-supplied DTaP-IPV liquid diluent

Use immediately after reconstitution

Do NOT administer DTaP-IPV w/o Hib

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**DTaP-IPV (Quadracel)**

**Ages:** 4 years through 6 years

**Use for:**
- DTaP dose #5
- IPV dose #4 or #5

**Do NOT use for DTaP doses 1 through 4 OR IPV doses 1 through 3**

**Route:** Intramuscular (IM) injection
# Haemophilus influenzae type b-Containing Vaccines

## Hib (ActHIB)
- **Ages:** 6 weeks through 4 years
- **Use for:** Any dose in the series
- **Route:** Intramuscular (IM) injection

**Reconstitute Hib powder ONLY with manufacturer-supplied 0.4% sodium chloride diluent**

Beyond Use Time: If not used immediately after reconstitution, store at 2°C to 8°C (36°F to 46°F) and discard if not used within 24 hours. Shake well prior to administration.

## Hib (PedvaxHIB)
- **Ages:** 6 weeks through 4 years
- **Use for:** Any dose in the series
- **Route:** Intramuscular (IM) injection

**Vial stopper contains latex**

## Hib (Hiberix)
- **Ages:** 6 weeks through 4 years
- **Use for:** Any dose in the series
- **Route:** Intramuscular (IM) injection

**Reconstitute Hib powder ONLY with manufacturer-supplied 0.9% sodium chloride diluent**

Beyond Use Time: If not used immediately after reconstitution, store at 2°C to 8°C (36°F to 46°F) and discard if not used within 24 hours. Shake well prior to administration.
Hepatitis Vaccines

**HepA (Havrix)-Pediatric Formulation**

**Ages:** 12 months through 18 years  
**Use for:** Any dose in the series  
**Route:** Intramuscular (IM) injection  

Tip cap of prefilled syringe contains latex

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

**Ages:** Birth through 19 years  
**Use for:** Any dose in the series  
**Route:** Intramuscular (IM) injection  

Tip cap of prefilled syringe contains latex

**HepA (Vaqta)-Pediatric Formulation**

**Ages:** 12 months through 18 years  
**Use for:** Any dose in the series  
**Route:** Intramuscular (IM) injection  

Vial stopper, syringe plunger stopper, and tip cap contain latex

**HepB (Recombivax HB)-Pediatric Formulation**

**Ages:** Birth through 19 years  
**Use for:** Any dose in the series  
**Route:** Intramuscular (IM) injection  

Vial stopper, syringe plunger stopper, and tip cap contain latex
<table>
<thead>
<tr>
<th>Hepatitis Vaccines</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HepA (Havrix)-Adult Formulation</strong></td>
</tr>
<tr>
<td><strong>Ages:</strong> 19 years and older</td>
</tr>
<tr>
<td><strong>Use for:</strong> Any dose in the series</td>
</tr>
<tr>
<td><strong>Route:</strong> Intramuscular (IM) injection</td>
</tr>
<tr>
<td>Tip cap of prefilled syringe contains latex</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Hepatitis Vaccines</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HepB (Engerix-B)-Adult Formulation</strong></td>
</tr>
<tr>
<td><strong>Ages:</strong> 20 years and older</td>
</tr>
<tr>
<td><strong>Use for:</strong> Any dose in the series</td>
</tr>
<tr>
<td><strong>Route:</strong> Intramuscular (IM) injection</td>
</tr>
<tr>
<td>Tip cap of prefilled syringe contains latex</td>
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<td><strong>Ages:</strong> 19 years and older</td>
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<tr>
<td><strong>Use for:</strong> Any dose in the series</td>
</tr>
<tr>
<td><strong>Route:</strong> Intramuscular (IM) injection</td>
</tr>
<tr>
<td>Vial stopper, syringe plunger stopper, and tip cap contain latex</td>
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<tr>
<th>Hepatitis Vaccines</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HepB (Recombivax HB)-Adult Formulation</strong></td>
</tr>
<tr>
<td><strong>Ages:</strong> 20 years and older</td>
</tr>
<tr>
<td><strong>Use for:</strong> Any dose in the series</td>
</tr>
<tr>
<td><strong>Alternate Adolescent Schedule for 11- through 15-year olds:</strong></td>
</tr>
<tr>
<td>Two 1 mL doses 4 to 6 months apart</td>
</tr>
<tr>
<td><strong>Route:</strong> Intramuscular (IM) injection</td>
</tr>
<tr>
<td>Vial stopper, syringe plunger stopper, and tip cap contain latex</td>
</tr>
<tr>
<td>Vaccine</td>
</tr>
<tr>
<td>--------------</td>
</tr>
<tr>
<td>HepB (Heplisav-B)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Vaccine</th>
<th>Ages</th>
<th>Contains</th>
<th>Schedule</th>
<th>Alternate Schedule</th>
<th>Route</th>
</tr>
</thead>
<tbody>
<tr>
<td>HepA-HepB (Twinrix)</td>
<td>18 years and older</td>
<td>HepA = Pediatric dosage HepB = Adult dosage</td>
<td>0, 1, and 6 months</td>
<td>0, 7, and 21 to 30 days, followed by booster at 12 months</td>
<td>Intramuscular (IM) injection</td>
</tr>
</tbody>
</table>
Human Papillomavirus Vaccines

9vHPV (Gardasil 9)

**Ages:** 9 years through 45 years

**Recommended ages:** 11 years or 12 years

**Catch-up ages:** 13 years through 26 years

**Shared clinical decision-making ages:** 27 through 45 years

**Route:** Intramuscular (IM) injection
Measles, Mumps, Rubella Vaccine

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

**Ages:** 12 months and older  
**Use for:** Any dose in the series  
**Route:** Subcutaneous (subcut) injection  

*Reconstitute MMR powder ONLY with manufacturer-supplied sterile water diluent*

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

**MenACWY-D (Menactra)**

- **Ages:** 9 months and older
- **Use for:** Any dose in the series (and certain high-risk groups)
- **Route:** Intramuscular (IM) injection

**MenACWY-CRM (Menveo)**

- **Ages:** 2 months and older
- **Use for:** Any dose in the series (and certain high-risk groups)
- **Route:** Intramuscular (IM) injection

  Reconstitute the MenA lyophilized conjugate component ONLY with manufacturer-supplied MenCWY liquid conjugate component

  **Do NOT administer MenCWY w/o MenA**

Beyond Use Time: Should be used immediately after reconstitution, but may be stored between 2°C and 25°C (36°F and 77°F) for up to 8 hours. Do not freeze.
Meningococcal Vaccines

**MenB-4C (Bexsero)**
- **Ages:** 10 years and older
- **Use for:** Any dose in the series
- **Route:** Intramuscular (IM) injection

*Tip cap of prefilled syringe contains latex*

*Bexsero and Trumenba are NOT interchangeable*  
*Complete series with same vaccine product*

**MenB-FHbp (Trumenba)**
- **Ages:** 10 years and older
- **Use for:** Any dose in the series
- **Route:** Intramuscular (IM) injection

*Bexsero and Trumenba are NOT interchangeable*  
*Complete series with same vaccine product*
<table>
<thead>
<tr>
<th>Pneumococcal Vaccines</th>
<th>Poliovirus Vaccine</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PCV13 (Prevnar 13)</strong></td>
<td><strong>IPV</strong></td>
</tr>
<tr>
<td><strong>Ages:</strong> All children 6 weeks through 5 years</td>
<td><strong>Ages:</strong> 6 weeks and older</td>
</tr>
<tr>
<td><strong>Certain high-risk groups</strong> 6 years and older who have never received PCV13</td>
<td><strong>Use for:</strong> Any dose in the series</td>
</tr>
<tr>
<td><strong>All adults 65 years and older</strong> who have never received PCV13 may receive a dose per shared clinical decision-making</td>
<td><strong>Route:</strong> Intramuscular (IM) injection OR Subcutaneous (subcut) injection</td>
</tr>
<tr>
<td><strong>Route:</strong> Intramuscular (IM) injection</td>
<td></td>
</tr>
</tbody>
</table>

| **PPSV23 (Pneumovax 23)** |  |
| **Ages:** Healthy adults 65 years and older |  |
| **Certain high-risk groups** 2 years through 64 years |  |
| **Route:** Intramuscular (IM) injection OR Subcutaneous (subcut) injection |  |
| **No more than two doses of PPSV23 recommended before 65th birthday and one dose at 65 years or older** |  |
**RV1 (Rotarix)**

**Ages:** 6 weeks through 8 months, 0 days  
Maximum age for 1st dose is 14 weeks, 6 days  
Maximum age for last dose is 8 months, 0 days  

**Route:** Oral (PO)

- Reconstitute RV1 powder ONLY with manufacturer-supplied sterile water/calcium chloride/xanthan diluent

**Beyond Use Time:** If not used immediately after reconstitution, store at 2°C to 8°C (36°F to 46°F) or at controlled room temperature up to 25°C (77°F) and discard if not used within 24 hours.

**Do NOT inject**

Tip cap of prefilled diluent oral applicator contains latex

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**RV5 (RotaTeq)**

**Ages:** 6 weeks through 8 months, 0 days  
Maximum age for 1st dose is 14 weeks, 6 days  
Maximum age for last dose is 8 months, 0 days  

**Route:** Oral (PO)

**Do NOT inject**
# Tetanus- and Diphtheria-Toxoid-Containing Vaccines

<table>
<thead>
<tr>
<th>Vaccine</th>
<th>Ages</th>
<th>Use for</th>
<th>Route</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DT (generic)</strong></td>
<td>6 weeks through 6 years</td>
<td>Primary series and booster doses ONLY for children with a contraindication or precaution to pertussis vaccine</td>
<td>Intramuscular (IM) injection</td>
</tr>
<tr>
<td><strong>Td (generic)</strong></td>
<td>7 years and older</td>
<td>Primary series and booster doses for persons previously vaccinated with Tdap</td>
<td>Intramuscular (IM) injection</td>
</tr>
<tr>
<td><strong>Td (Tenivac)</strong></td>
<td>7 years and older</td>
<td>Primary series and booster doses for persons previously vaccinated with Tdap</td>
<td>Intramuscular (IM) injection</td>
</tr>
</tbody>
</table>

*Tip cap of prefilled syringe may contain latex*
Tetanus- and Diphtheria-Toxoid- and acellular Pertussis-Containing Vaccines

**Tdap (Adacel)**

- **Ages:** 7 years and older
- **Use for:**
  - Routine adolescent dose at 11 to 12 years of age
  - Each pregnancy
  - Patients not fully vaccinated for pertussis
- **Route:** Intramuscular (IM) injection
  - Tip cap of prefilled syringe may contain latex

**Tdap (Boostrix)**

- **Ages:** 7 years and older
- **Use for:**
  - Routine adolescent dose at 11 to 12 years of age
  - Each pregnancy
  - Patients not fully vaccinated for pertussis
- **Route:** Intramuscular (IM) injection
  - Tip cap of prefilled syringe contains latex
Frozen Varicella-Containing Vaccines

VAR (Varivax)
Ages: 12 months and older
Use for: Any dose in the series
Route: Subcutaneous (subcut) injection

Reconstitute VAR powder ONLY with manufacturer-supplied sterile water diluent
Beyond Use Time: Discard reconstituted vaccine if not used within 30 minutes.

MMRV (ProQuad)
Ages: 12 months through 12 years
Use for: Any dose in the series
Route: Subcutaneous (subcut) injection

Reconstitute MMRV powder ONLY with manufacturer-supplied sterile water diluent
Beyond Use Time: Discard reconstituted vaccine if not used within 30 minutes.

ZVL (Zostavax)
Recommended ages: 60 years and older
Use for: Single dose
Route: Subcutaneous (subcut) injection

Reconstitute frozen ZVL powder ONLY with manufacturer-supplied sterile water diluent
Beyond Use Time: Discard reconstituted vaccine if not used within 30 minutes.
Refrigerated Varicella-Containing Vaccine

RZV (Shingrix)

Ages: 50 years and older

Use for: Immunocompetent adults age 50 years and older
         Immunocompetent adults who previously received
         Zostavax (ZVL)

Route: Intramuscular (IM) injection

- Refrigerate both components; do NOT freeze
- Reconstitute lyophilized varicella zoster component
  with manufacturer-supplied adjuvant suspension

Beyond Use Time: Discard reconstituted vaccine if not used
within 6 hours.
Reconstituted Vaccines

**DTaP-IPV/HIB (Pentacel)**

- Lyophilized Hib component
- Manufacturer’s DTaP-IPV liquid component

Pentacel vaccine

Should be used immediately after reconstitution

**Hib (ActHIB)**

- Lyophilized Hib component
- Manufacturer’s 0.4% sodium chloride diluent

ActHIB vaccine

Beyond Use Time: If not used immediately after reconstitution, store at 2°C to 8°C (36°F to 46°F) and discard if not used within 24 hours. Should be shaken vigorously before injection.

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

- Lyophilized MMR component
- Manufacturer’s sterile water diluent

M-M-R II vaccine

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

**Hib (Hiberix)**

- Lyophilized Hib component
- Manufacturer’s 0.9% sodium chloride diluent

Hiberix vaccine

Beyond Use Time: If not used immediately after reconstitution, store at 2°C to 8°C (36°F to 46°F) and discard if not used within 24 hours. Should be shaken vigorously before injection.
Reconstituted Vaccines

**MenACWY-CRM (Menveo)**

- Lyophilized MenA component
- MenCWY liquid component

\[\text{=} \]

Menveo vaccine

**Beyond Use Time:** Should be used immediately after reconstitution, but may be stored at or below 25°C (77°F) and discarded if not used within 8 hours.

**RV1 (Rotarix)**

- Lyophilized RV1 component
- Manufacturer’s sterile water-calcium carbonate-xanthan diluent

\[\text{=} \]

Rotarix vaccine

**Beyond Use Time:** If not used immediately after reconstitution, store at 2°C to 8°C (36°F to 46°F) or at controlled room temperature up to 25°C (77°F) and discard if not used within 24 hours. Tip cap of prefilled diluent oral applicator contains latex.
Reconstituted Vaccines

**VAR (Varivax)**
- Lyophilized VAR component
- Manufacturer’s sterile water diluent
- VariVax vaccine
- Beyond Use Time: Discard reconstituted vaccine if not used within 30 minutes.

**ZVL (Zostavax)**
- Lyophilized ZVL component
- Manufacturer’s sterile water diluent
- Zostavax vaccine
- Beyond Use Time: Discard reconstituted vaccine if not used within 30 minutes.

**MMRV (ProQuad)**
- Lyophilized MMRV component
- Manufacturer’s sterile water diluent
- ProQuad vaccine
- Beyond Use Time: Discard reconstituted vaccine if not used within 30 minutes.

**RZV (Shingrix)**
- Lyophilized varicella zoster component
- Manufacturer’s adjuvant suspension
- Shingrix vaccine
- Refrigerate both components; do NOT freeze
- Beyond Use Time: Discard reconstituted vaccine if not used within 6 hours.