

CORE PEDIATRIC AND ADOLESCENT MEDICINE

6-8 Week Handouts

212 Calef Highway, Epping NH 03042

603-693-2100

Core Pediatrics Vaccination and Screening Schedule

WCC visit	Recommended Vaccines	Recommended Screening Tests
Birth/Hospital	Hepatitis B	Hearing screening, State Metabolic screening, Congenital Heart Disease screening
2 Week	Hepatitis B (if not given in hospital)	
6 Week	Pentacel*, Hepatitis B, Prevnar, Rotateq	
4 Month	Pentacel*, Prevnar, Rotateq (Hepatitis B if not received at birth)	
6 Month	Pentacel*, Hepatitis B, Prevnar, Rotateq	
9 Month		Developmental screening (ASQ) and Hemoglobin (optional)
12 Month	MMR*, Varivax, Hepatitis A	Photoscreening, Lead, Hemoglobin, Fluoride
15 Month	Pentacel*, Prevnar	
18 Month	Hepatitis A	Developmental screening (ASQ and MCHAT)
2 Year	Hepatitis A (if not given at 18 months)	Developmental screening (MCHAT), Lead, Hemoglobin, Photoscreening, Fluoride
2 ½ Year		Developmental screening (ASQ)
3 Year		Photoscreening
4 Year	Kinrix*, Proquad*	Vision and Hearing
5 -6 Year		Vision and Hearing
7 Year		
8 Year		Vision and Hearing
9 Year		
10 Year	TDaP	Vision and Hearing, Cholesterol
11 Year	Menactra, HPV#	
12 Year	(HPV see schedule below)	Depression screening (PHQ-9 or Ipad), Vision
13 Year		Depression screening (PHQ-9 or Ipad)
14 Year		Depression screening (PHQ-9 or Ipad), Urine STI screening
15 Year		Depression screening (PHQ-9 or Ipad), Urine STI screening, Vision
16 Year	Menactra, Men B-Bexsero	Depression screening (PHQ-9 or Ipad), Urine STI screening
17 Year		Depression screening (PHQ-9 or Ipad), Urine STI screening
18 Year		Depression Screening (PHQ-9 or Ipad), Urine STI screening, Cholesterol, HIV, Vision (optional)
19-20 Year	Tdap Booster	Depression screening (PHQ-9 or Ipad), Urine STI screening
21 Year		Depression screening (PHQ-9 or Ipad), Urine STI screening, Pap smear

If clinically indicated:

Influenza (6 months plus), Pneumovax 23, Prevnar 13, PPD, Typhoid, Men B

#HPV Dosing Interval:

- If received first dose before 15th birthday : 0 and 6 months
- If received first dose after 15th birthday: 0, 2 and 6 months

*Combination Vaccines

Pentacel- DTaP, Hib, IPV
 MMR- Measles, Mumps, Rubella
 Kinrix- DTaP, IPV
 Proquad- MMR, Varicella
 Pediarix- DTaP, Hepatitis B, IPV



Bright Futures Parent Handout 2 Month Visit

Here are some suggestions from Bright Futures experts that may be of value to your family.

How You Are Feeling

- Taking care of yourself gives you the energy to care for your baby. Remember to go for your postpartum checkup.
- Find ways to spend time alone with your partner.
- Keep in touch with family and friends.
- Give small but safe ways for your other children to help with the baby, such as bringing things you need or holding the baby's hand.
- Spend special time with each child reading, talking, or doing things together.

Your Growing Baby

- Have simple routines each day for bathing, feeding, sleeping, and playing.
- Put your baby to sleep on her back.
 - In a crib, in your room, not in your bed.
 - In a crib that meets current safety standards, with no drop-side rail and slats no more than 2³/₈ inches apart. Find more information on the Consumer Product Safety Commission Web site at www.cpsc.gov.
 - If your crib has a drop-side rail, keep it up and locked at all times. Contact the crib company to see if there is a device to keep the drop-side rail from falling down.
 - Keep soft objects and loose bedding such as comforters, pillows, bumper pads, and toys out of the crib.
 - Give your baby a pacifier if she wants it.
- Hold, talk, cuddle, read, sing, and play often with your baby. This helps build trust between you and your baby.
- Tummy time—put your baby on her tummy when awake and you are there to watch.
- Learn what things your baby does and does not like.

BEHAVIOR

- Notice what helps to calm your baby such as a pacifier, fingers or thumb, or stroking, talking, rocking, or going for walks.

Safety

SAFETY

- Use a rear-facing car safety seat in the back seat in all vehicles.
- Never put your baby in the front seat of a vehicle with a passenger air bag.
- Always wear your seat belt and never drive after using alcohol or drugs.
- Keep your car and home smoke-free.
- Keep plastic bags, balloons, and other small objects, especially small toys from other children, away from your baby.
- Your baby can roll over, so keep a hand on your baby when dressing or changing him.
- Set the water heater so the temperature at the faucet is at or below 120°F.
- Never leave your baby alone in bathwater, even in a bath seat or ring.

Your Baby and Family

INFANT-FAMILY SYNCHRONY

- Start planning for when you may go back to work or school.
- Find clean, safe, and loving child care for your baby.
- Ask us for help to find things your family needs, including child care.
- Know that it is normal to feel sad leaving your baby or upset about your baby going to child care.

NUTRITIONAL ADEQUACY

Feeding Your Baby

- Feed only breast milk or iron-fortified formula in the first 4–6 months.
- Avoid feeding your baby solid foods, juice, and water until about 6 months.
- Feed your baby when your baby is hungry.

NUTRITIONAL ADEQUACY

- Feed your baby when you see signs of hunger.
 - Putting hand to mouth
 - Sucking, rooting, and fussing
- End feeding when you see signs your baby is full.
 - Turning away
 - Closing the mouth
 - Relaxed arms and hands
- Burp your baby during natural feeding breaks.

If Breastfeeding

- Feed your baby 8 or more times each day.
- Plan for pumping and storing breast milk. Let us know if you need help.

If Formula Feeding

- Feed your baby 6–8 times each day.
- Make sure to prepare, heat, and store the formula safely. If you need help, ask us.
- Hold your baby so you can look at each other.
- Do not prop the bottle.

What to Expect at Your Baby's 4 Month Visit

We will talk about

- Your baby and family
- Feeding your baby
- Sleep and crib safety
- Calming your baby
- Playtime with your baby
- Caring for your baby and yourself
- Keeping your home safe for your baby
- Healthy teeth

Poison Help: 1-800-222-1222

Child safety seat inspection:
1-866-SEATCHECK; seatcheck.org



American Academy of Pediatrics



DEDICATED TO THE HEALTH OF ALL CHILDREN™

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TYLENOL®

Dosing for Infants and Children

From Your Healthcare Professional

Infants' **TYLENOL** Children's **TYLENOL**

DOSE: Every 4 hours as needed. DO NOT GIVE MORE THAN 5 DOSES IN 24 HOURS

If possible, use weight to dose; otherwise use age.

mL = milliliter
tsp = teaspoon



Infants' TYLENOL® Oral Suspension

Active Ingredient:
Acetaminophen 160 mg
(in each 5 mL)

Available in:
 Grape
 Cherry

Use only as directed.



Children's TYLENOL® Oral Suspension

Active Ingredient:
Acetaminophen 160 mg
(in each 5 mL or 1 tsp)

Available in:
 Grape
 Cherry

Use only as directed.

WEIGHT	AGE			
6-11 lbs	0-3 mos	1.25 mL		—
12-17 lbs	4-11 mos	2.5 mL		—
18-23 lbs	12-23 mos	3.75 mL		—
24-35 lbs	2-3 yrs	5 mL		5 mL (1 tsp)
36-47 lbs	4-5 yrs	—	—	7.5 mL (1 1/4 tsp)
48-59 lbs	6-8 yrs	—	—	10 mL (2 tsp)
60-71 lbs	9-10 yrs	—	—	12.5 mL (2 1/2 tsp)
72-95 lbs	11 yrs	—	—	15 mL (3 tsp)

IMPORTANT INSTRUCTIONS for Proper Use

Today's Date: _____

This dosing recommendation from your doctor will expire in 14 DAYS.

- Read and follow the label on all TYLENOL® products.
- Take every 4 hours as needed. Do NOT exceed more than 5 doses in 24 hours.
- Do NOT use with any other product containing acetaminophen.
- Use only the dosing device that comes with a specific product.
- All Infants' TYLENOL® and Children's TYLENOL® Oral Suspension products have the same acetaminophen concentration (160 mg/5 mL).



Kids' Wellness Tracker

This free, all-in-one tool from the makers of Children's TYLENOL® and Children's MOTRIN® makes it easy to track your child's height, weight, vaccines, symptoms, and medicines, plus calculate dosing.



Download now at the App Store® | App Store is a service mark of Apple Inc. Standard download rates may apply.

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After the Shots...

Your child may need extra love and care after getting vaccinated. Some vaccinations that protect children from serious diseases also can cause discomfort for a while. Here are answers to questions many parents have after their children have been vaccinated. If this sheet doesn't answer your questions, call your healthcare provider.

Vaccinations may hurt a little... but disease can hurt a lot!

Call your healthcare provider right away if you answer "yes" to any of the following questions:

- Does your child have a temperature that your healthcare provider has told you to be concerned about?
- Is your child pale or limp?
- Has your child been crying for more than 3 hours and just won't quit?
- Is your child's body shaking, twitching, or jerking?
- Is your child very noticeably less active or responsive?

► Please see page 2 for information on the proper amount of medicine to give your child to reduce pain or fever.

What to do if your child has discomfort

I think my child has a fever. What should I do?

Check your child's temperature to find out if there is a fever. An easy way to do this is by taking a temperature in the armpit using an electronic thermometer (or by using the method of temperature-taking your healthcare provider recommends). If your child has a temperature that your healthcare provider has told you to be concerned about or if you have questions, call your healthcare provider.

Here are some things you can do to help reduce fever:

- Give your child plenty to drink.
- Dress your child lightly. Do not cover or wrap your child tightly.
- Give your child a fever- or pain-reducing medicine such as acetaminophen (e.g., Tylenol) or ibuprofen (e.g., Advil, Motrin). The dose you give your child should be based on your child's weight and your healthcare provider's instructions. See the dose chart on page 2. *Do not give aspirin.* Recheck your child's temperature after 1 hour. Call your healthcare provider if you have questions.

My child has been fussy since getting vaccinated. What should I do?

After vaccination, children may be fussy because of pain or fever. To reduce discomfort, you may want to give your child a medicine such as acetaminophen or ibuprofen. See the dose chart on page 2. *Do not give aspirin.* If your child is fussy for more than 24 hours, call your healthcare provider.

My child's leg or arm is swollen, hot, and red. What should I do?

- Apply a clean, cool, wet washcloth over the sore area for comfort.
- For pain, give a medicine such as acetaminophen or ibuprofen. See the dose chart on page 2. *Do not give aspirin.*
- If the redness or tenderness increases after 24 hours, call your healthcare provider.

My child seems really sick. Should I call my healthcare provider?

If you are worried at all about how your child looks or feels, call your healthcare provider!

HEALTHCARE PROVIDER: PLEASE FILL IN THE INFORMATION BELOW.

If your child's temperature is _____°F or _____°C or higher, or if you have questions, call your healthcare provider.

Healthcare provider phone number: _____

Medicines and Dosages to Reduce Pain and Fever

Choose the proper medicine, and measure the dose accurately.


1. Ask your healthcare provider or pharmacist which medicine is best for your child.
2. Give the dose based on your child’s weight. If you don’t know your child’s weight, give the dose based on your child’s age. Do not give more medicine than is recommended.
3. If you have questions about dosage amounts or any other concerns, call your healthcare provider.
4. Always use a proper measuring device. For example:
 - When giving acetaminophen liquid (e.g., Tylenol), use the device enclosed in the package. If you misplace the device, consult your healthcare provider or pharmacist for advice. Kitchen spoons are not accurate measures.
 - When giving ibuprofen liquid (e.g., Advil, Motrin), use the device enclosed in the package. Never use a kitchen spoon!

Take these two steps to avoid causing a serious medication overdose in your child.

1. Don’t give your child a larger amount of acetaminophen (e.g., Tylenol) or ibuprofen (e.g., Motrin, Advil) than is shown in the table below. Too much of any of these medicines can be extremely dangerous.
2. When you give your child acetaminophen or ibuprofen, don’t also give them over-the-counter cough or cold medicines. This can cause a medication overdose because cough and cold medicines often contain acetaminophen or ibuprofen. In fact, to be safe, don’t ever give over-the-counter cough and cold medicines to your child unless you talk to your child’s healthcare provider first.




Acetaminophen (Tylenol or another brand): How much to give?

Give every 4 to 6 hours, as needed, no more than 5 times in 24 hours (unless directed to do otherwise by your healthcare provider).

child’s weight	child’s age	OLD FORMULATIONS infants’ drops 80 mg in each 0.8 mL or in each 1.0 mL	Infants’ New formulation or children’s liquid 160 mg in each 5 mL (1 tsp) <small>Kitchen spoons are not accurate measures.</small>	children’s chewables 80 mg in each tab	junior strength 160 mg in each tab
6–11 lbs (2.7–5 kg)	0–3 mos		Advised dose* _____		
12–17 lbs (5.5–7.7 kg)	4–11 mos		½ teaspoon or 2.5 mL		
18–23 lbs (8.2–10.5 kg)	12–23 mos		¾ teaspoon or 3.75 mL		
24–35 lbs (10.9–15.9 kg)	2–3 yrs		1 teaspoon or 5 mL	2 tablets	
36–47 lbs (16.4–21.4 kg)	4–5 yrs		1½ teaspoon or 7.5 mL	3 tablets	
48–59 lbs (21.8–26.8 kg)	6–8 yrs		2 teaspoons or 10 mL	4 tablets	2 tablets
60–71 lbs (27.3–32.3 kg)	9–10 yrs		2½ teaspoons or 12.5 mL	5 tablets	2½ tablets
72–95 lbs (32.7–43.2 kg)	11 yrs		3 teaspoons or 15 mL	6 tablets	3 tablets

Ibuprofen (Advil, Motrin, or another brand): How much to give?

Give every 6 to 8 hours, as needed, no more than 4 times in 24 hours (unless directed to do otherwise by your healthcare provider).

child’s weight	child’s age	infants’ drops 50 mg in each 1.25 mL 	children’s liquid 100 mg in each 5 mL (1 tsp)  <small>Kitchen spoons are not accurate measures.</small>	OLD FORMULATION children’s chewables 50 mg in each tab	children’s chewables or junior tablets 100 mg in each tab
less than 11 lbs (5 kg)	0–5 mos				
12–17 lbs (5.5–7.7 kg)	6–11 mos	1.25 mL	Advised dose* _____		
18–23 lbs (8.2–10.5 kg)	12–23 mos	1.875 mL	Advised dose* _____		
24–35 lbs (10.9–15.9 kg)	2–3 yrs		1 teaspoon or 5 mL		1 tablet
36–47 lbs (16.4–21.4 kg)	4–5 yrs		1½ teaspoon or 7.5 mL		1½ tablets
48–59 lbs (21.8–26.8 kg)	6–8 yrs		2 teaspoons or 10 mL		2 tablets
60–71 lbs (27.3–32.3 kg)	9–10 yrs		2½ teaspoons or 12.5 mL		2½ tablets
72–95 lbs (32.7–43.2 kg)	11 yrs		3 teaspoons or 15 mL	3 tablets	

* HEALTHCARE PROVIDER: PLEASE FILL IN THE ADVISED DOSE.

VACCINE INFORMATION STATEMENT

DTaP (Diphtheria, Tetanus, Pertussis) Vaccine: *What You Need to Know*

Many Vaccine Information Statements are available in Spanish and other languages. See www.immunize.org/vis

Hojas de Información sobre vacunas están disponibles en español y en muchos otros idiomas. Visite www.immunize.org/vis

1 Why get vaccinated?

DTaP vaccine can prevent diphtheria, tetanus, and pertussis.

Diphtheria and pertussis spread from person to person. Tetanus enters the body through cuts or wounds.

- **DIPHtheria (D)** can lead to difficulty breathing, heart failure, paralysis, or death.
- **TETANUS (T)** causes painful stiffening of the muscles. Tetanus can lead to serious health problems, including being unable to open the mouth, having trouble swallowing and breathing, or death.
- **PERTUSSIS (aP)**, also known as “whooping cough,” can cause uncontrollable, violent coughing which makes it hard to breathe, eat, or drink. Pertussis can be extremely serious in babies and young children, causing pneumonia, convulsions, brain damage, or death. In teens and adults, it can cause weight loss, loss of bladder control, passing out, and rib fractures from severe coughing.

2 DTaP vaccine

DTaP is only for children younger than 7 years old. Different vaccines against tetanus, diphtheria, and pertussis (Tdap and Td) are available for older children, adolescents, and adults.

It is recommended that children receive 5 doses of DTaP, usually at the following ages:

- 2 months
- 4 months
- 6 months
- 15–18 months
- 4–6 years

DTaP may be given as a stand-alone vaccine, or as part of a combination vaccine (a type of vaccine that combines more than one vaccine together into one shot).

DTaP may be given at the same time as other vaccines.

3 Talk with your health care provider

Tell your vaccine provider if the person getting the vaccine:

- Has had an **allergic reaction after a previous dose of any vaccine that protects against tetanus, diphtheria, or pertussis**, or has any **severe, life-threatening allergies**.
- Has had a **coma, decreased level of consciousness, or prolonged seizures within 7 days after a previous dose of any pertussis vaccine (DTP or DTaP)**.
- Has **seizures or another nervous system problem**.
- Has ever had **Guillain-Barré Syndrome** (also called GBS).
- Has had **severe pain or swelling after a previous dose of any vaccine that protects against tetanus or diphtheria**.

In some cases, your child's health care provider may decide to postpone DTaP vaccination to a future visit.

Children with minor illnesses, such as a cold, may be vaccinated. Children who are moderately or severely ill should usually wait until they recover before getting DTaP.

Your child's health care provider can give you more information.



U.S. Department of
Health and Human Services
Centers for Disease
Control and Prevention

4 Risks of a vaccine reaction

- Soreness or swelling where the shot was given, fever, fussiness, feeling tired, loss of appetite, and vomiting sometimes happen after DTaP vaccination.
- More serious reactions, such as seizures, non-stop crying for 3 hours or more, or high fever (over 105°F) after DTaP vaccination happen much less often. Rarely, the vaccine is followed by swelling of the entire arm or leg, especially in older children when they receive their fourth or fifth dose.
- Very rarely, long-term seizures, coma, lowered consciousness, or permanent brain damage may happen after DTaP vaccination.

As with any medicine, there is a very remote chance of a vaccine causing a severe allergic reaction, other serious injury, or death.

5 What if there is a serious problem?

An allergic reaction could occur after the vaccinated person leaves the clinic. If you see signs of a severe allergic reaction (hives, swelling of the face and throat, difficulty breathing, a fast heartbeat, dizziness, or weakness), call 9-1-1 and get the person to the nearest hospital.

For other signs that concern you, call your health care provider.

Adverse reactions should be reported to the Vaccine Adverse Event Reporting System (VAERS). Your health care provider will usually file this report, or you can do it yourself. Visit the VAERS website at www.vaers.hhs.gov or call 1-800-822-7967. *VAERS is only for reporting reactions, and VAERS staff do not give medical advice.*

6 The National Vaccine Injury Compensation Program

The National Vaccine Injury Compensation Program (VICP) is a federal program that was created to compensate people who may have been injured by certain vaccines. Visit the VICP website at www.hrsa.gov/vaccinecompensation or call 1-800-338-2382 to learn about the program and about filing a claim. There is a time limit to file a claim for compensation.

7 How can I learn more?

- Ask your health care provider.
- Call your local or state health department.
- Contact the Centers for Disease Control and Prevention (CDC):
 - Call 1-800-232-4636 (1-800-CDC-INFO) or
 - Visit CDC's website at www.cdc.gov/vaccines

Vaccine Information Statement (Interim)
DTaP (Diphtheria, Tetanus,
Pertussis) Vaccine



Office use only

Hepatitis B Vaccine:

What You Need to Know

Many Vaccine Information Statements are available in Spanish and other languages. See www.immunize.org/vis

Hojas de información sobre vacunas están disponibles en español y en muchos otros idiomas. Visite www.immunize.org/vis

1 Why get vaccinated?

Hepatitis B vaccine can prevent hepatitis B. Hepatitis B is a liver disease that can cause mild illness lasting a few weeks, or it can lead to a serious, lifelong illness.

- **Acute hepatitis B infection** is a short-term illness that can lead to fever, fatigue, loss of appetite, nausea, vomiting, jaundice (yellow skin or eyes, dark urine, clay-colored bowel movements), and pain in the muscles, joints, and stomach.
- **Chronic hepatitis B infection** is a long-term illness that occurs when the hepatitis B virus remains in a person's body. Most people who go on to develop chronic hepatitis B do not have symptoms, but it is still very serious and can lead to liver damage (cirrhosis), liver cancer, and death. Chronically-infected people can spread hepatitis B virus to others, even if they do not feel or look sick themselves.

Hepatitis B is spread when blood, semen, or other body fluid infected with the hepatitis B virus enters the body of a person who is not infected. People can become infected through:

- Birth (if a mother has hepatitis B, her baby can become infected)
- Sharing items such as razors or toothbrushes with an infected person
- Contact with the blood or open sores of an infected person
- Sex with an infected partner
- Sharing needles, syringes, or other drug-injection equipment
- Exposure to blood from needlesticks or other sharp instruments

Most people who are vaccinated with hepatitis B vaccine are immune for life.

2 Hepatitis B vaccine

Hepatitis B vaccine is usually given as 2, 3, or 4 shots.

Infants should get their first dose of hepatitis B vaccine at birth and will usually complete the series at 6 months of age (sometimes it will take longer than 6 months to complete the series).

Children and adolescents younger than 19 years of age who have not yet gotten the vaccine should also be vaccinated.

Hepatitis B vaccine is also recommended for certain **unvaccinated adults**:

- People whose sex partners have hepatitis B
- Sexually active persons who are not in a long-term monogamous relationship
- Persons seeking evaluation or treatment for a sexually transmitted disease
- Men who have sexual contact with other men
- People who share needles, syringes, or other drug-injection equipment
- People who have household contact with someone infected with the hepatitis B virus
- Health care and public safety workers at risk for exposure to blood or body fluids
- Residents and staff of facilities for developmentally disabled persons
- Persons in correctional facilities
- Victims of sexual assault or abuse
- Travelers to regions with increased rates of hepatitis B
- People with chronic liver disease, kidney disease, HIV infection, infection with hepatitis C, or diabetes
- Anyone who wants to be protected from hepatitis B

Hepatitis B vaccine may be given at the same time as other vaccines.



3 Talk with your health care provider

Tell your vaccine provider if the person getting the vaccine:

- Has had an **allergic reaction after a previous dose of hepatitis B vaccine**, or has any **severe, life-threatening allergies**.

In some cases, your health care provider may decide to postpone hepatitis B vaccination to a future visit.

People with minor illnesses, such as a cold, may be vaccinated. People who are moderately or severely ill should usually wait until they recover before getting hepatitis B vaccine.

Your health care provider can give you more information.

4 Risks of a vaccine reaction

- Soreness where the shot is given or fever can happen after hepatitis B vaccine.

People sometimes faint after medical procedures, including vaccination. Tell your provider if you feel dizzy or have vision changes or ringing in the ears.

As with any medicine, there is a very remote chance of a vaccine causing a severe allergic reaction, other serious injury, or death.

5 What if there is a serious problem?

An allergic reaction could occur after the vaccinated person leaves the clinic. If you see signs of a severe allergic reaction (hives, swelling of the face and throat, difficulty breathing, a fast heartbeat, dizziness, or weakness), call **9-1-1** and get the person to the nearest hospital.

For other signs that concern you, call your health care provider.

Adverse reactions should be reported to the Vaccine Adverse Event Reporting System (VAERS). Your health care provider will usually file this report, or you can do it yourself. Visit the VAERS website at www.vaers.hhs.gov or call **1-800-822-7967**. *VAERS is only for reporting reactions, and VAERS staff do not give medical advice.*

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7 How can I learn more?

- Ask your healthcare provider.
- Call your local or state health department.
- Contact the Centers for Disease Control and Prevention (CDC):
 - Call **1-800-232-4636 (1-800-CDC-INFO)** or
 - Visit CDC's www.cdc.gov/vaccines

Vaccine Information Statement (Interim)
Hepatitis B Vaccine



Office use only

Polio Vaccine:

What You Need to Know

Many Vaccine Information Statements are available in Spanish and other languages. See www.immunize.org/vis

Hojas de información sobre vacunas están disponibles en español y en muchos otros idiomas. Visite www.immunize.org/vis

1 Why get vaccinated?

Polio vaccine can prevent polio.

Polio (or poliomyelitis) is a disabling and life-threatening disease caused by poliovirus, which can infect a person's spinal cord, leading to paralysis.

Most people infected with poliovirus have no symptoms, and many recover without complications. Some people will experience sore throat, fever, tiredness, nausea, headache, or stomach pain.

A smaller group of people will develop more serious symptoms that affect the brain and spinal cord:

- Paresthesia (feeling of pins and needles in the legs),
- Meningitis (infection of the covering of the spinal cord and/or brain), or
- Paralysis (can't move parts of the body) or weakness in the arms, legs, or both.

Paralysis is the most severe symptom associated with polio because it can lead to permanent disability and death.

Improvements in limb paralysis can occur, but in some people new muscle pain and weakness may develop 15 to 40 years later. This is called post-polio syndrome.

Polio has been eliminated from the United States, but it still occurs in other parts of the world. The best way to protect yourself and keep the United States polio-free is to maintain high immunity (protection) in the population against polio through vaccination.

2 Polio vaccine

Children should usually get 4 doses of polio vaccine, at 2 months, 4 months, 6–18 months, and 4–6 years of age.

Most **adults** do not need polio vaccine because they were already vaccinated against polio as children. Some adults are at higher risk and should consider polio vaccination, including:

- people traveling to certain parts of the world,
- laboratory workers who might handle poliovirus, and
- health care workers treating patients who could have polio.

Polio vaccine may be given as a stand-alone vaccine, or as part of a combination vaccine (a type of vaccine that combines more than one vaccine together into one shot).

Polio vaccine may be given at the same time as other vaccines.

3 Talk with your health care provider

Tell your vaccine provider if the person getting the vaccine:

- Has had an **allergic reaction after a previous dose of polio vaccine, or has any severe, life-threatening allergies.**

In some cases, your health care provider may decide to postpone polio vaccination to a future visit.



People with minor illnesses, such as a cold, may be vaccinated. People who are moderately or severely ill should usually wait until they recover before getting polio vaccine.

Your health care provider can give you more information.

4 Risks of a vaccine reaction

- A sore spot with redness, swelling, or pain where the shot is given can happen after polio vaccine.

People sometimes faint after medical procedures, including vaccination. Tell your provider if you feel dizzy or have vision changes or ringing in the ears.

As with any medicine, there is a very remote chance of a vaccine causing a severe allergic reaction, other serious injury, or death.

5 What if there is a serious problem?

An allergic reaction could occur after the vaccinated person leaves the clinic. If you see signs of a severe allergic reaction (hives, swelling of the face and throat, difficulty breathing, a fast heartbeat, dizziness, or weakness), call 9-1-1 and get the person to the nearest hospital.

For other signs that concern you, call your health care provider.

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6

The National Vaccine Injury Compensation Program

The National Vaccine Injury Compensation Program (VICP) is a federal program that was created to compensate people who may have been injured by certain vaccines. Visit the VICP website at www.hrsa.gov/vaccinecompensation or call 1-800-338-2382 to learn about the program and about filing a claim. There is a time limit to file a claim for compensation.

7

How can I learn more?

- Ask your health care provider.
- Call your local or state health department.
- Contact the Centers for Disease Control and Prevention (CDC):
 - Call 1-800-232-4636 (1-800-CDC-INFO) or
 - Visit CDC's website at www.cdc.gov/vaccines



Haemophilus influenzae type b (Hib) Vaccine: What You Need to Know

Many Vaccine Information Statements are available in Spanish and other languages. See www.immunize.org/vis

Hojas de información sobre vacunas están disponibles en español y en muchos otros idiomas. Visite www.immunize.org/vis

1 Why get vaccinated?

Hib vaccine can prevent *Haemophilus influenzae* type b (Hib) disease.

Haemophilus influenzae type b can cause many different kinds of infections. These infections usually affect children under 5 years of age, but can also affect adults with certain medical conditions. Hib bacteria can cause mild illness, such as ear infections or bronchitis, or they can cause severe illness, such as infections of the bloodstream. Severe Hib infection, also called invasive Hib disease, requires treatment in a hospital and can sometimes result in death.

Before Hib vaccine, Hib disease was the leading cause of bacterial meningitis among children under 5 years old in the United States. Meningitis is an infection of the lining of the brain and spinal cord. It can lead to brain damage and deafness.

Hib infection can also cause:

- pneumonia,
- severe swelling in the throat, making it hard to breathe,
- infections of the blood, joints, bones, and covering of the heart,
- death.

2 Hib vaccine

Hib vaccine is usually given as 3 or 4 doses (depending on brand). Hib vaccine may be given as a stand-alone vaccine, or as part of a combination vaccine (a type of vaccine that combines more than one vaccine together into one shot).

Infants will usually get their first dose of Hib vaccine at 2 months of age, and will usually complete the series at 12-15 months of age.

Children between 12-15 months and 5 years of age who have not previously been completely vaccinated against Hib may need 1 or more doses of Hib vaccine.

Children over 5 years old and adults usually do not receive Hib vaccine, but it might be recommended for older children or adults with asplenia or sickle cell disease, before surgery to remove the spleen, or following a bone marrow transplant. Hib vaccine may also be recommended for people 5 to 18 years old with HIV.

Hib vaccine may be given at the same time as other vaccines.

3 Talk with your health care provider

Tell your vaccine provider if the person getting the vaccine:

- Has had an **allergic reaction after a previous dose of Hib vaccine**, or has any **severe, life-threatening allergies**.

In some cases, your health care provider may decide to postpone Hib vaccination to a future visit.

People with minor illnesses, such as a cold, may be vaccinated. People who are moderately or severely ill should usually wait until they recover before getting Hib vaccine.

Your health care provider can give you more information.



4 Risks of a vaccine reaction

- Redness, warmth, and swelling where shot is given, and fever can happen after Hib vaccine.

People sometimes faint after medical procedures, including vaccination. Tell your provider if you feel dizzy or have vision changes or ringing in the ears.

As with any medicine, there is a very remote chance of a vaccine causing a severe allergic reaction, other serious injury, or death.

5 What if there is a serious problem?

An allergic reaction could occur after the vaccinated person leaves the clinic. If you see signs of a severe allergic reaction (hives, swelling of the face and throat, difficulty breathing, a fast heartbeat, dizziness, or weakness), call 9-1-1 and get the person to the nearest hospital.

For other signs that concern you, call your health care provider.

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Pneumococcal Conjugate Vaccine (PCV13): *What You Need to Know*

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1 Why get vaccinated?

Pneumococcal conjugate vaccine (PCV13) can prevent **pneumococcal disease**.

Pneumococcal disease refers to any illness caused by pneumococcal bacteria. These bacteria can cause many types of illnesses, including pneumonia, which is an infection of the lungs. Pneumococcal bacteria are one of the most common causes of pneumonia.

Besides pneumonia, pneumococcal bacteria can also cause:

- Ear infections
- Sinus infections
- Meningitis (infection of the tissue covering the brain and spinal cord)
- Bacteremia (bloodstream infection)

Anyone can get pneumococcal disease, but children under 2 years of age, people with certain medical conditions, adults 65 years or older, and cigarette smokers are at the highest risk.

Most pneumococcal infections are mild. However, some can result in long-term problems, such as brain damage or hearing loss. Meningitis, bacteremia, and pneumonia caused by pneumococcal disease can be fatal.

2 PCV13

PCV13 protects against 13 types of bacteria that cause pneumococcal disease.

Infants and young children usually need 4 doses of pneumococcal conjugate vaccine, at 2, 4, 6, and 12–15 months of age. In some cases, a child might need fewer than 4 doses to complete PCV13 vaccination.

A dose of PCV13 vaccine is also recommended for anyone **2 years or older** with certain medical conditions if they did not already receive PCV13.

This vaccine may be given to **adults 65 years or older** based on discussions between the patient and health care provider.

3 Talk with your health care provider

Tell your vaccine provider if the person getting the vaccine:

- Has had an **allergic reaction after a previous dose of PCV13, to an earlier pneumococcal conjugate vaccine known as PCV7, or to any vaccine containing diphtheria toxoid** (for example, DTaP), or has any **severe, life-threatening allergies**.
- In some cases, your health care provider may decide to postpone PCV13 vaccination to a future visit.

People with minor illnesses, such as a cold, may be vaccinated. People who are moderately or severely ill should usually wait until they recover before getting PCV13.

Your health care provider can give you more information.



4 Risks of a vaccine reaction

- Redness, swelling, pain, or tenderness where the shot is given, and fever, loss of appetite, fussiness (irritability), feeling tired, headache, and chills can happen after PCV13.

Young children may be at increased risk for seizures caused by fever after PCV13 if it is administered at the same time as inactivated influenza vaccine. Ask your health care provider for more information.

People sometimes faint after medical procedures, including vaccination. Tell your provider if you feel dizzy or have vision changes or ringing in the ears.

As with any medicine, there is a very remote chance of a vaccine causing a severe allergic reaction, other serious injury, or death.

5 What if there is a serious problem?

An allergic reaction could occur after the vaccinated person leaves the clinic. If you see signs of a severe allergic reaction (hives, swelling of the face and throat, difficulty breathing, a fast heartbeat, dizziness, or weakness), call 9-1-1 and get the person to the nearest hospital.

For other signs that concern you, call your health care provider.

Adverse reactions should be reported to the Vaccine Adverse Event Reporting System (VAERS). Your health care provider will usually file this report, or you can do it yourself. Visit the VAERS website at www.vaers.hhs.gov or call 1-800-822-7967. *VAERS is only for reporting reactions, and VAERS staff do not give medical advice.*

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Vaccine Information Statement (Interim)
PCV13



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10/30/2019 | 42 U.S.C. § 300aa-26

Rotavirus Vaccine: What You Need to Know

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1 Why get vaccinated?

Rotavirus vaccine can prevent rotavirus disease.

Rotavirus causes diarrhea, mostly in babies and young children. The diarrhea can be severe, and lead to dehydration. Vomiting and fever are also common in babies with rotavirus.

2 Rotavirus vaccine

Rotavirus vaccine is administered by putting drops in the child's mouth. Babies should get 2 or 3 doses of rotavirus vaccine, depending on the brand of vaccine used.

- The first dose must be administered before 15 weeks of age.
- The last dose must be administered by 8 months of age.

Almost all babies who get rotavirus vaccine will be protected from severe rotavirus diarrhea.

Another virus called porcine circovirus (or parts of it) can be found in rotavirus vaccine. This virus does not infect people, and there is no known safety risk. For more information, see <http://wayback.archive-it.org/7993/20170406124518/https://www.fda.gov/BiologicsBloodVaccines/Vaccines/ApprovedProducts/ucm212140.htm>.

Rotavirus vaccine may be given at the same time as other vaccines.

3 Talk with your health care provider

Tell your vaccine provider if the person getting the vaccine:

- Has had an **allergic reaction after a previous dose of rotavirus vaccine**, or has any severe, life-threatening allergies.
- Has a **weakened immune system**.

- Has **severe combined immunodeficiency (SCID)**.
- Has had a type of bowel blockage called **intussusception**.

In some cases, your child's health care provider may decide to postpone rotavirus vaccination to a future visit.

Infants with minor illnesses, such as a cold, may be vaccinated. Infants who are moderately or severely ill should usually wait until they recover before getting rotavirus vaccine.

Your child's health care provider can give you more information.

4 Risks of a vaccine reaction

- Irritability or mild, temporary diarrhea or vomiting can happen after rotavirus vaccine.

Intussusception is a type of bowel blockage that is treated in a hospital and could require surgery. It happens naturally in some infants every year in the United States, and usually there is no known reason for it. There is also a small risk of intussusception from rotavirus vaccination, usually within a week after the first or second vaccine dose. This additional risk is estimated to range from about 1 in 20,000 US infants to 1 in 100,000 US infants who get rotavirus vaccine. Your health care provider can give you more information.

As with any medicine, there is a very remote chance of a vaccine causing a severe allergic reaction, other serious injury, or death.



5**What if there is a serious problem?**

For intussusception, look for signs of stomach pain along with severe crying. Early on, these episodes could last just a few minutes and come and go several times in an hour. Babies might pull their legs up to their chest. Your baby might also vomit several times or have blood in the stool, or could appear weak or very irritable. These signs would usually happen during the first week after the first or second dose of rotavirus vaccine, but look for them any time after vaccination. If you think your baby has intussusception, contact a health care provider right away. If you can't reach your health care provider, take your baby to a hospital. Tell them when your baby got rotavirus vaccine.

An allergic reaction could occur after the vaccinated person leaves the clinic. If you see signs of a severe allergic reaction (hives, swelling of the face and throat, difficulty breathing, a fast heartbeat, dizziness, or weakness), call 9-1-1 and get the person to the nearest hospital.

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