



## SIX MONTHS

Name \_\_\_\_\_ Date \_\_\_\_\_

Weight \_\_\_\_\_ Length \_\_\_\_\_ Head Circumference \_\_\_\_\_

**Immunizations:** (note: your child's doctor may modify the immunization schedule at times)

1. Diphtheria/Tetanus/Pertussis (DTaP) - protects against diphtheria, tetanus, pertussis (whooping cough)
2. Polio (IPV) – protects against polio virus
3. Haemophilus influenza B (HIB) – protects against a bacteria that causes meningitis, blood, and throat infections
4. Hepatitis B—protects against infection with hepatitis B virus
5. Pneumococcal Conjugate—protects against a type of meningitis and blood infection, and some ear infections
6. Rotavirus—protects against a virus which causes severe vomiting and diarrhea

After immunizations some infants may experience discomfort or fever. Treat any local reactions at the site of the immunizations (for example, redness or swelling) with a cool compress for ten minutes at a time every few hours. You may give your child acetaminophen as needed. Reactions from the immunizations should be gone in 48-72 hours, although a small firm non-tender lump under the skin may remain for up to two months. If the baby has a fever of 102° F (39° C) or higher or appears very sick after the immunizations, contact the office.

### **Feeding:**

Your baby should continue on breast milk or formula in addition to baby food. If most of her milk is breast milk, she should take either:

- Vitamin D drops (400 IU once a day) PLUS Fer-in-sol drops (0.75 mL once a day)  
**OR**
- Poly-Vi-Sol with iron (1 mL once a day)
- If your baby drinks less than 32 oz of formula per day they should take Vitamin D drops (400 IU once a day).

### **Office Hours and Telephone Coverage: We are available 24 hours a day, 365 days a year!**

- Monday-Friday: 8:30am-5:30 pm (later as needed to accommodate urgent visits)
- Saturdays and Holidays: 9am-12pm (later as needed to accommodate urgent visits) – Urgent visits only
- Sundays: Mornings (office times vary); Call starting at 8am – Urgent visits only
- After regular business hours: After hour calls are answered by well-trained pediatric nurses who follow protocols approved by Longwood Pediatrics. Please restrict calls to urgent medical issues only.

**Please ALWAYS call us before going to any emergency room.**

### **Appointment Scheduling:**

- Well Visit/Checkups: Our schedules are open one year in advance for routine well visit appointments. **Schedule your next well visit today!**
- Sick Visits: It is best to call the office early in the day to schedule an appointment. You can make an appointment by pressing option 2 for the receptionist. If you are not sure that your child needs to be seen, you may leave a message for our nursing staff and a nurse will call you back within the same day.

### **Communication:**

We encourage all families to use MyChart, our patient portal. With MyChart you are able to communicate with your child's provider through messaging, book appointments, see your child's medical history and more. Sign up at the front desk today!

Like us on Facebook 

### **Next Visit:**

Your child's next routine visit will be at nine months of age. At that time, he will not receive any vaccines but will have a blood test to screen for anemia and lead poisoning.

Updated 1/15/2021



# BRIGHT FUTURES HANDOUT ► PARENT

## 6 MONTH VISIT

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

### ✓ HOW YOUR FAMILY IS DOING

- If you are worried about your living or food situation, talk with us. Community agencies and programs such as WIC and SNAP can also provide information and assistance.
- Don't smoke or use e-cigarettes. Keep your home and car smoke-free. Tobacco-free spaces keep children healthy.
- Don't use alcohol or drugs.
- Choose a mature, trained, and responsible babysitter or caregiver.
- Ask us questions about child care programs.
- Talk with us or call for help if you feel sad or very tired for more than a few days.
- Spend time with family and friends.

### ✓ YOUR BABY'S DEVELOPMENT

- Place your baby so she is sitting up and can look around.
- Talk with your baby by copying the sounds she makes.
- Look at and read books together.
- Play games such as peekaboo, patty-cake, and so big.
- Don't have a TV on in the background or use a TV or other digital media to calm your baby.
- If your baby is fussy, give her safe toys to hold and put into her mouth. Make sure she is getting regular naps and playtimes.

### ✓ FEEDING YOUR BABY

- Know that your baby's growth will slow down.
- Be proud of yourself if you are still breastfeeding. Continue as long as you and your baby want.
- Use an iron-fortified formula if you are formula feeding.
- Begin to feed your baby solid food when he is ready.
- Look for signs your baby is ready for solids. He will
  - Open his mouth for the spoon.
  - Sit with support.
  - Show good head and neck control.
  - Be interested in foods you eat.

#### Starting New Foods

- Introduce one new food at a time.
- Use foods with good sources of iron and zinc, such as
  - Iron- and zinc-fortified cereal
  - Pureed red meat, such as beef or lamb
- Introduce fruits and vegetables after your baby eats iron- and zinc-fortified cereal or pureed meat well.
- Offer solid food 2 to 3 times per day; let him decide how much to eat.
- Avoid raw honey or large chunks of food that could cause choking.
- Consider introducing all other foods, including eggs and peanut butter, because research shows they may actually prevent individual food allergies.
- To prevent choking, give your baby only very soft, small bites of finger foods.
- Wash fruits and vegetables before serving.
- Introduce your baby to a cup with water, breast milk, or formula.
- Avoid feeding your baby too much; follow baby's signs of fullness, such as
  - Leaning back
  - Turning away
- Don't force your baby to eat or finish foods.
  - It may take 10 to 15 times of offering your baby a type of food to try before he likes it.

**Helpful Resources:** Smoking Quit Line: 800-784-8669 | Poison Help Line: 800-222-1222

Information About Car Safety Seats: [www.safercar.gov/parents](http://www.safercar.gov/parents) | Toll-free Auto Safety Hotline: 888-327-4236

# 6 MONTH VISIT—PARENT



## HEALTHY TEETH

- Ask us about the need for fluoride.
- Clean gums and teeth (as soon as you see the first tooth) 2 times per day with a soft cloth or soft toothbrush and a small smear of fluoride toothpaste (no more than a grain of rice).
- Don't give your baby a bottle in the crib. Never prop the bottle.
- Don't use foods or juices that your baby sucks out of a pouch.
- Don't share spoons or clean the pacifier in your mouth.

## WHAT TO EXPECT AT YOUR BABY'S 9 MONTH VISIT

### We will talk about

- Caring for your baby, your family, and yourself
- Teaching and playing with your baby
- Disciplining your baby
- Introducing new foods and establishing a routine
- Keeping your baby safe at home and in the car



## SAFETY

- Use a rear-facing-only car safety seat in the back seat of all vehicles.
- Never put your baby in the front seat of a vehicle that has a passenger airbag.
- If your baby has reached the maximum height/weight allowed with your rear-facing-only car seat, you can use an approved convertible or 3-in-1 seat in the rear-facing position.
- Put your baby to sleep on her back.
- Choose crib with slats no more than 2 $\frac{3}{8}$  inches apart.
  - Lower the crib mattress all the way.
- Don't use a drop-side crib.
- Don't put soft objects and loose bedding such as blankets, pillows, bumper pads, and toys in the crib.
- If you choose to use a mesh playpen, get one made after February 28, 2013.
- Do a home safety check (stair gates, barriers around space heaters, and covered electrical outlets).
- Don't leave your baby alone in the tub, near water, or in high places such as changing tables, beds, and sofas.
- Keep poisons, medicines, and cleaning supplies locked and out of your baby's sight and reach.
- Put the Poison Help line number into all phones, including cell phones. Call us if you are worried your baby has swallowed something harmful.
- Keep your baby in a high chair or playpen while you are in the kitchen.
- Do not use a baby walker.
- Keep small objects, cords, and latex balloons away from your baby.
- Keep your baby out of the sun. When you do go out, put a hat on your baby and apply sunscreen with SPF of 15 or higher on her exposed skin.

Consistent with *Bright Futures: Guidelines for Health Supervision of Infants, Children, and Adolescents, 4th Edition*

For more information, go to <https://brightfutures.aap.org>.

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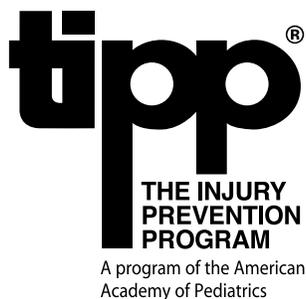


The information contained in this handout should not be used as a substitute for the medical care and advice of your pediatrician. There may be variations in treatment that your pediatrician may recommend based on individual facts and circumstances. Original handout included as part of the *Bright Futures Tool and Resource Kit*, 2nd Edition.

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# 6 TO 12 MONTHS

## Safety for Your Child

Did you know that hundreds of infants die every year in the United States because of injuries—most of which can be prevented?

Often, injuries happen because parents are not aware of what their children can do. Your child is a fast learner and will suddenly be able to *roll over*, *crawl*, *sit*, and *stand*. Your child may *climb* before walking, or *walk* with support months before you expect. Your child will *grasp* at almost anything and reach things he or she could not reach before.

### Falls

Because of your child's new abilities, he or she will fall often. Protect your child from injury. **Use gates on stairways and doors. Install operable window guards** on all windows above the first floor. **Remove sharp-edged or hard furniture** from the room where your child plays.

**Do not use a baby walker.** Your child may tip it over, fall out of it, or fall down the stairs in it. Baby walkers allow children to get to places where they can pull hot foods or heavy objects down on themselves.

**If your child has a serious fall or does not act normally after a fall, call your doctor.**

### Burns

At 6 to 12 months children grab at everything. NEVER leave cups of hot coffee on tables or counter edges. **And NEVER carry hot liquids or food near your child or while holding your child.** He or she could get burned. Also, if your child is left to crawl or walk around stoves, wall or floor heaters, or other hot appliances, he or she is likely to get burned. **A safer place for your child** while you are cooking, eating, or unable to provide your full attention is the **playpen, crib, or stationary activity center, or buckled into a high chair.**

**If your child does get burned, put cold water on the burned area immediately. Keep the burned area in cold water for a few minutes to cool it off. Then cover the burn loosely with a dry bandage or clean cloth. Call your doctor for all burns. To protect your child from tap water scalds, the hottest temperature at the faucet should be no more than 120°F. In many cases you can adjust your water heater.**

Make sure you have a working smoke alarm on every level of your home, especially in furnace and sleeping areas. Test the alarms every month. It is best to use smoke alarms that use long-life batteries, but if you do not, change the batteries at least once a year.



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## Drowning

At this age your child loves to play in water. Empty all the water from a bathtub, pail, or any container of water immediately after use. Keep a hand on your baby at all times while in the bathtub. Keep the door to the bathroom closed. **NEVER leave your child alone in or near a bathtub, pail of water, wading or swimming pool, or any other water, even for a moment.** Drowning can happen in less than 2 inches of water. Knowing how to swim does NOT mean your child is safe in or near water. Stay within an arm's length of your child around water.

If you have a swimming pool, now is the time to **install a fence** that separates the house from the pool. The pool should be fenced in on all 4 sides. Most children drown when they wander out of the house and fall into a pool that is not fenced off from the house. Be prepared—install a fence around your pool now, before your child begins to walk!



## Poisoning and Choking

Your child will explore the world by *putting anything and everything into his or her mouth*. NEVER leave small objects or balloons in your child's reach, even for a moment. Don't feed your child hard pieces of food such as hot dogs, raw carrots, grapes, peanuts, or popcorn. Cut all of his or her food into thin slices to prevent choking.

**Be prepared if your child starts to choke. Learn how to save the life of a choking child. Ask your doctor to recommend the steps you need to take.**

Children will put everything into their mouths, even if it doesn't taste good. Many ordinary things in your house **can be poisonous** to your child. Be sure to keep household products such as cleaners, chemicals, and medicines up, up, and away, completely out of sight and reach. Never store lye drain cleaners in your home. **Use safety latches or locks** on drawers and cupboards. Remember, your child doesn't understand or remember "no" while exploring.



**If your child does eat something that could be poisonous, call the Poison Help number at 1-800-222-1222 immediately. Do not make your child vomit.**

## Strangulation and Suffocation

Place your baby's crib away from windows. **Cords from window blinds and draperies can strangle your child.** Use cordless window coverings or, if this is not possible, tie cords high and out of reach. Do not knot cords together.

**Plastic wrappers and bags** form a tight seal if placed over the mouth and nose and may suffocate your child. Keep them away from your child.

## And Remember Car Safety

**Car crashes** are a **great danger** to your child's life and health. Most injuries and deaths caused by car crashes **can be prevented** by the use of car safety seats EVERY TIME your child is in the car. All infants and toddlers should ride in a rear-facing car safety seat until they are at least 2 years of age or until they reach the highest weight or height allowed by their car safety seat's manufacturer. A rear-facing car safety seat should NEVER be placed in front of a passenger airbag.



From Your Doctor

Your child, besides being much safer in a car safety seat, will behave better so you can pay attention to your driving. **The safest place for all infants and children to ride is in the back seat.**

**Do not leave your child alone in a car. Keep vehicles and their trunks locked. Children who are left in a car can die of heatstroke because temperatures can reach deadly levels in minutes.**

**Remember, the biggest threat to your child's life and health is an injury.**

The information in this publication should not be used as a substitute for the medical care and advice of your pediatrician. There may be variations in treatment that your pediatrician may recommend based on individual facts and circumstances.

# Sleeping Through the Night — 6 months

Babies do not have regular sleep cycles until about 6 months of age. While newborns sleep about 16 to 17 hours per day, they may only sleep 1 or 2 hours at a time. As babies get older, they need less sleep. However, different babies have different sleep needs. It is normal for a 6-month-old to wake up during the night but go back to sleep after a few minutes. Healthy, growing babies usually do not need to be awakened to breastfeed or take a bottle.



Here are some suggestions that may help your baby (and you) sleep better at night.

- 1. Establish a bedtime ritual.** Your baby can respond well to such near bedtime rituals as bathing, rocking, reading, quiet talking, singing, playing soft music, cuddling, and gentle massage. Even though your baby may not understand these signals yet, setting up these bedtime drills now can help establish a regular bedtime routine that will lead to good sleeping habits in the future. Avoid making bedtime feedings part of the bedtime routine after about 6 months of age.
- 2. Make daytime playtime.** Talking and playing with your baby during the day will help lengthen her awake times. This will help her sleep for longer periods during the night.
- 3. Put your baby to bed when drowsy but still awake.** This will help your baby learn to fall asleep on her own in her own bed. Holding or rocking her until she is completely asleep may make it hard for her to go back to sleep if she wakes up during the night.
- 4. Wait a few minutes before responding to your child's fussing.** See if she can fall back to sleep on her own. If she continues to cry, check on her, but don't turn on the light, play with her, or pick her up. If she gets frantic or is unable to settle herself, consider what else might be bothering her. She may be hungry, wet or soiled, feverish, or otherwise not feeling well.



# Children's Dental Health: What You Need to Know

A bright smile begins long before the first tooth appears. Parent and caregiver help is important for children to develop healthy teeth. Read on for information from the American Academy of Pediatrics about caring for your child's teeth.

## Steps to good dental health include

- Regular care by a dentist beginning by 1 year of age
- Enough fluoride (in water, toothpaste, and fluoride varnish)
- Brushing and flossing 2 times each day
- Eating healthy and limiting sugar
- Using a mouth guard during sports participation to prevent injury, if necessary

## Fluoride is important because it

- Hardens tooth enamel (the outside coating on teeth)
- Repairs early damage to teeth all day every day

**Note:** Fluoride is a natural substance that can be added to drinking water, toothpaste, mouthwash, and varnish (dental treatment). During well-child visits (also known as health supervision visits), doctors may recommend drinking more fluoridated water or, for some children, using fluoride tablets or drops. Also, fluoride varnish should be applied to children's teeth by their doctor or dentist up to 4 times per year.

## Here's how to clean your child's teeth.

### Babies to 3 years of age

- Wipe the gums 2 times each day with a piece of gauze or a damp cloth until the first tooth or teeth arrive.
- Brush the first tooth or teeth with a soft toothbrush 2 times each day. Brush for 2 minutes each time.
- Use "Just a dot, not a lot!" of fluoride toothpaste. The amount of toothpaste should be the size of a small grain of rice for children younger than 3 years.

### Children 3 years and older

- Brush your child's teeth with a soft toothbrush 2 times each day. Brush for 2 minutes each time. Children should learn how to brush their teeth on their own. However, parents should brush their children's teeth first before handing over the toothbrush to their children until they are 7 years of age.
- Use "Just a dot, not a lot!" of fluoride toothpaste. The amount of toothpaste should be the size of a small pea for children 3 years and older.

### All children

- Teach your child to spit out excess toothpaste. Your child may want to swallow the toothpaste because it tastes good. However, swallowing too much toothpaste can result in white spotting of the teeth called fluorosis. Children should not rinse after brushing and spitting out excess toothpaste.

- Floss where any 2 teeth touch each other to prevent a cavity forming between the teeth.
- Check front and back of the teeth for early signs of tooth decay, such as white, yellow, or brown spots or lines on the teeth. Lift up the top lip to get a good look at the front upper teeth.
- Change your child's toothbrush every 6 months.

## Here are other ways to help prevent tooth decay in babies and children.

- Schedule regular dental checkups for each family member.
- Avoid sharing food, drinks, spoons, and forks. If your baby is using a pacifier, avoid licking it to clean it.
- Offer water if your child is thirsty. Also, only offer water in sippy cups between meals and in bedtime bottles. Sipping juices, sports drinks, flavored drinks, lemonade, soft drinks (soda, pop), or flavored teas throughout the day causes acid attacks on teeth.
- Offer healthy snacks such as fruits or vegetables. Avoid offering sweet or sticky snacks, such as raisins, gummy candies, and vitamins, or fruit-flavored snacks/rolls or cookies. There is sugar in foods like crackers and chips too. Reserve these for desserts at the end of meals.
- Be sure to clean teeth after your child drinks milk at bedtime.
- Check front and back of the teeth for early signs of tooth decay—white, yellow, or brown spots or lines on the teeth. Lift your child's lip to get a better look at the upper front teeth. This should be done about once a month.

## Common Questions

### Does pacifier use or thumb-sucking hurt teeth?

Sucking on a pacifier, thumb, or fingers may affect the shape of the mouth or how teeth are lining up.

- If the habit stops by 3 years of age, the teeth will usually correct themselves without treatment.
- If the sucking habit continues after "permanent" teeth have come in, orthodontic care may be needed to line the teeth up for disease prevention and appearance.

### What should I do when my child falls and loosens a tooth?

- Call your child's dentist or pediatrician for advice.
- For the next 6 months or so, watch for redness in the gum above the loosened tooth and notify your child's dentist immediately if it occurs.

### What is a pediatric dentist?

Pediatric dentists have special training to provide routine dental care for children and can care for children with complicated oral health problems. They are specialists in the care of children's teeth and mouth problems, especially when

- Teeth are chipped or injured or there is an injury in the mouth area.
- Teeth show signs of discoloration that could be tooth decay or trauma.

- Children complain of tooth pain or sensitivity to hot or cold foods or liquids. This could also be a sign of decay.
- There is any abnormal growth inside the mouth.
- Children have an unusual bite (in other words, their teeth do not fit together right).

You can find a pediatric dentist in your area on the American Academy of Pediatric Dentistry website at [www.aapd.org](http://www.aapd.org). Some family dentists are trained to provide care for children without complicated problems. There are also many family dentists who provide preventive care to healthy children.

### When should my child begin regular dental checkups?

- All infants should receive oral health risk assessments by 6 months of age at their well-child visit with their medical provider and at every well-child checkup.
- Children with special health care needs should be referred to a dentist as early as 6 months of age, and no later than 12 months of age, to establish their dental home and may be seen more frequently than typical children.
- Every child should have a dental home established by 12 months of age.

### Remember

If you have any questions or concerns about your child's teeth, contact your child's dentist.

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# Start Reading to Your Child Early

## How to Help Your Child Learn to Read

A baby can enjoy books by 6 months of age! Here are things you can do with your child at different ages to help your child learn to love words and books.

### Birth to Age 1

- Play with your baby often. Talk, sing, and say rhymes. This helps your baby learn to talk.
- Talk with your baby, making eye contact. Give your baby time to answer in baby talk.
- Give your baby sturdy board books to look at. It's OK for a baby to chew on a book.
- Look at picture books with your baby and name things. Say "See the baby!" or "Look at the puppy!"
- Babies like board books with pictures of babies and everyday objects like balls and blocks.
- Snuggle with your baby on your lap and read aloud. Your baby may not understand the story, but will love the sound of your voice and being close to you.
- Don't let your child watch TV until age 2 or older.

### 1 to 3 Years of Age

- Read to your child every day. Let your child pick the book, even if it's the same one again and again!
- Younger toddlers (1 to 2 years of age) like board books with pictures of children doing everyday things (like eating and playing). They also like "goodnight" books and books with rhymes. Books should only have a few words on each page.



- Older toddlers (2 to 3 years of age) like board books and books with paper pages. They love books with rhymes and words that are repeated. Books about families, friends, animals, and trucks are also good.
- Let your child "read" to you by naming things in the book or making up a story.
- Take your child to the library. Celebrate your child getting a library card!
- Keep talking, singing, saying rhymes, and playing with your child.
- Don't let your child watch TV until age 2 or older.

### Reading Tips

- Set aside time every day to read together. Reading at bedtime is a great way to get ready for sleep.
- Leave books in your children's rooms for them to enjoy on their own. Have a comfortable bed or chair, bookshelf, and reading lamp.
- Read books your child enjoys. Your child may learn the words to a favorite book. Then, let your child complete the sentences, or take turns saying the words.
- Don't drill your child on letters, numbers, colors, shapes, or words. Instead, make a game of it.

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### 3 to 5 Years of Age

- Read ABC books with your child. Point out letters as you read.
- Preschool children like books that tell stories. They also love counting books, alphabet books, and word books. Like toddlers, they love books with rhymes and words they can learn by heart.
- Help your child recognize whole words as well as letters. Point out things like letters on a stop sign or the name on a favorite store.
- Ask your child questions about the pictures and story. Invite him or her to make up a story about what's in the book.
- Some public TV shows, videos, and computer games can help your child learn to read. But you need to be involved too. Watch or play *with* your child and talk about the program. Limit TV time to 1 or 2 hours per day. Avoid violent shows and movies. Try to stick to educational shows.
- Give your child lots of chances to use written words. Write shopping lists together. Write letters to friends or family.



### Read Aloud With Your Child

Reading aloud is one of the best ways to help your child learn to read. The more excited you act when you read a book, the more your child will enjoy it.

- Use funny voices and animal noises!
- Look at the pictures. Ask your child to name things in the pictures. Talk about how the pictures go with the story. Ask what is happening in the story.

- Invite your child to join in when a line is repeated over and over.
- Show your child how things in the book are like things in your child's life.
- If your child asks a question, stop and answer it. Books can help children express their thoughts and solve problems.
- Keep reading to your child even after he or she learns to read. Children can listen and understand harder stories than they can read on their own.

### Listen to Your Child Read Aloud

Once your child starts reading, have him or her read out loud. Take turns reading.

If your child asks for help with a word, give it right away. But let your child sound out words if he or she wants to.

Know when your child has had enough. Stop if your child is tired or frustrated.

Most of all, give lots of praise! You are your child's first, and most important, teacher!

The American Academy of Pediatrics (AAP) is grateful for the Reach Out and Read program's help with this handout. Reach Out and Read works with children's doctors to make promoting literacy and giving out books part of children's basic health care. This program is endorsed by the AAP. To learn more about Reach Out and Read, go to [www.reachoutandread.org](http://www.reachoutandread.org).

To learn more, visit the American Academy of Pediatrics (AAP) Web site at [www.aap.org](http://www.aap.org).

Your child's doctor will tell you to do what's best for your child. This information should not take the place of talking with your child's doctor.

We hope the resources in this handout are helpful. The AAP is not responsible for the information in these resources. We try to keep the information up to date but it may change at any time.

Adaptation of the AAP information in this handout into plain language was supported in part by McNeil Consumer Healthcare.

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# 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](http://www.immunize.org/vis)

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



## 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](http://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](http://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](http://www.cdc.gov/vaccines)

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



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# Hepatitis B Vaccine:

## What You Need to Know

Many Vaccine Information Statements are available in Spanish and other languages. See [www.immunize.org/vis](http://www.immunize.org/vis)

Hojas de información sobre vacunas están disponibles en español y en muchos otros idiomas. Visite [www.immunize.org/vis](http://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](http://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](http://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 healthcare provider.
- Call your local or state health department.
- Contact the Centers for Disease Control and Prevention (CDC):
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  - Visit CDC's [www.cdc.gov/vaccines](http://www.cdc.gov/vaccines)

Vaccine Information Statement (Interim)  
**Hepatitis B Vaccine**



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

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

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](http://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](http://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](http://www.cdc.gov/vaccines)



# Polio Vaccine:

## What You Need to Know

Many Vaccine Information Statements are available in Spanish and other languages. See [www.immunize.org/vis](http://www.immunize.org/vis)

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

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](http://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](http://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):
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# Pneumococcal Conjugate Vaccine (PCV13): *What You Need to Know*

Many Vaccine Information Statements are available in Spanish and other languages. See [www.immunize.org/vis](http://www.immunize.org/vis)

Hojas de información sobre vacunas están disponibles en español y en muchos otros idiomas. Visite [www.immunize.org/vis](http://www.immunize.org/vis)

## 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](http://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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# Rotavirus Vaccine:

## What You Need to Know

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Hojas de información sobre vacunas están disponibles en español y en muchos otros idiomas. Visite [www.immunize.org/vis](http://www.immunize.org/vis)

### 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.

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

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