

Flu vaccine myth busters



Ben's runny nose, as depicted by Ben

The good news is that there was only a smattering of influenza (flu) cases across the United States over the summer. The great news is that according to the Centers for Disease Control, most of the detected strains are covered in this year's vaccine.

If you're still hesitant to vaccinate your family, let's talk frankly about some myths we sometimes hear about flu vaccines:

If my friend's child has flu symptoms, I'll just avoid their house to avoid catching the flu

False. According to the CDC, you are infectious the day before symptoms show up. So it is TOO LATE to avoid only those already sick.

My family never gets the flu so it's not necessary to get the vaccine.

False and dangerous. Saying "My child and I have never had the flu so we don't need the flu vaccine" is like saying, "I've never a car accident so I won't wear my seat belt."

I got the flu shot last year and then I got sick. So the flu shot must have made me sick.

Our condolences. True, you were sick. **But this statement is False**, because the illness was not caused by the flu vaccine. Vaccines are not real germs, so you can't "get" a disease from the vaccine. But to your body, vaccine proteins appear very similar to real germs and your immune system will respond by making protection against the fake vaccine germ. When the real germ comes along, pow, your body already has the protection to fend off the real disease.

It is important to realize that the vaccine takes about 2 weeks to take effect in your body, so if you were unlucky enough to be exposed to someone with the flu and then got the vaccine the next day, you still have a good chance of coming down with the flu: the vaccine will not have had a chance to work yet.

Please know, however, there is a chance that for a couple days after a vaccine, you will ache and have a mild fever. The reason? Your immune system is simply revving up. But no, the flu vaccine does not give you the flu.

No one dies from the flu anymore, do they? Flu is just not that dangerous, so my child does not need a flu shot. I will just take my chances with flu.

False! A total of [107 influenza-associated pediatric deaths](#) were reported for the 2016-2017 season. In past seasons up to 90% of children who died from flu did not receive a flu vaccine. So please, vaccinate yourself and your children.

The vaccine coverage is awful.

Not the case this year. On the other hand, even if coverage was spotty, look at it this way— if half of the flu out there was covered, that's a lot fewer people that won't give your kid the flu.

Naline Lai, MD and Julie Kardos, MD

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rev Oct. 10, 2017 see comments

[The Scoop on Poop: back by popular demand!](#)



As we said to [Robin Young on NPR's *Here and Now*](#), "A lot of life's issues all boil down to the essentials of life...eat, sleep, drink, pee, **poop** and love." So today we give you... the scoop on poop.

Admit it.

Before you became a parent, you never really gave much thought to other people's poop.

Now you are captivated and can even discuss it over meal time: your child's poop with its changing colors and consistency. Your vocabulary for poop has likely also changed. Before your baby's birth, you probably used some grown-up word like "bowel

movement” or “stool” or perhaps some “R” rated term not appropriate to this pediatric site.

We pediatricians have many conversations with new parents, and some not-so-new parents, about poop. Mostly this topic is of great interest to parents with newborns, but poop issues come out at other milestones in a child’s life, namely when starting solid foods and during potty training.

Poop comes in three basic colors that are all equal signs of normal health: **brown, yellow, and green**. Newborn poop, while typically yellow and mustard like, can occasionally come out in the two other colors, even if what goes in, namely breast milk or formula, stays the same. The color change is more a reflection of how long the milk takes to pass through the intestines and how much bile acid gets mixed in with the developing poop.

Bad colors of poop are: red (blood), white (complete absence of color), and tarry black. Only the first poop that babies pass on the first day of life, called meconium, is always tarry black and is normal. At any other time of life, black tarry stools are abnormal and are a sign of potential internal bleeding and should always be discussed with your child’s health care provider, as should blood in poop (also not normal) and white poop (which could indicate a liver problem).

Normal pooping behavior for a newborn can be grunting, turning red, crying, and generally appearing as if an explosion is about to occur. As long as what comes out after all this effort is a soft poop (and normal poop should always be soft), then this behavior is normal. Other babies poop effortlessly and this, too, is normal.

Besides its color, another topic of intense fascination to many parents is the **frequency and consistency** of poop. This aspect is often tied in with questions about diarrhea and constipation. Here is the scoop:

It is normal for newborns to poop during or after every feeding, although not all babies poop this often. This means that if your baby feeds 8-12 times a day, then she can have 8-12 poops a day. One reason that newborns are seen every few weeks in the pediatric office is to check that they are gaining weight normally: that calories taken in are enough for growth and are not just being pooped out. While normal poop can be very soft and mushy, diarrhea is watery and prevents normal weight gain.

After the first few weeks of life, a **change in pooping frequency** can occur. Some formula fed babies will continue their frequent pooping while others decrease to once a day or even once every 2-3 days. Some breastfed babies actually decrease their poop frequency to once a week! These babies' guts digest breast milk so efficiently that they are left with little waste product. As long as these less-frequently-pooping babies are feeding well, not vomiting, acting well, have soft bellies rather than hard, distended bellies, and are growing normally, then parents and other caregivers can enjoy the less frequent diaper changes. Urine frequency should remain the same (at least 6 wet diapers every 24 hours, on average) and is a sign that your baby is adequately hydrated. Again, as long as what comes out in the end is soft, then your baby is not "constipated" but rather has "decreased poop frequency."

True constipation is poop that is hard and comes out as either small hard pellets or a large hard poop mass. These poops are often painful to pass and can cause small tears in the anus. You should discuss true constipation with your child's health care provider. A typical remedy, assuming that everything else about your baby is okay, is adding a bit of prune or apple juice, generally $\frac{1}{2}$ to 1 ounce, to the formula bottle once or twice daily. True constipation in general is more common in formula-fed babies than breastfed babies.

Adding solid foods generally causes poop to become more firm or formed, but not always. It DOES always cause more odor and

can also add color to poop. Dr. Kardos still remembers her surprise over her eldest's first "sweet potato poop" as she and her husband asked each other, "Will you look at that? Isn't this exactly how it looked when he ATE it?" If constipation, meaning hard poop that is painful to pass, occurs during solid food introductions, you can usually help soften up the poop by giving more prunes and oatmeal and less rice and bananas.

Potty training can trigger constipation resulting from poop withholding. This poop withholding can result in backup of poop in the intestines which leads to pain and poor eating. Children withhold poop for one of three main reasons:

1. They are afraid of the toilet or potty seat.
2. They had one painful poop and they resolve never to repeat the experience by trying to never poop again.
3. They are locked into a control issue with their parents. Recall the truism "You can lead a horse to water but you can't make him drink." This applies to potty training as well.

[Treatment for stool withholding](#) is to QUIT potty training for at least a few weeks and to ADD as much stool softening foods and drinks as possible. Good-for-poop drinks and foods include prune juice, apple juice, pear juice, water, fiber-rich breads and cereals, beans, fresh fruits and vegetables. Sometimes, under the guidance of your child's health care provider, medical stool softeners or laxatives are needed until your child overcomes his fear of pooping and resolves his control issue. For more information about potty training we refer you to [our post with podcast on this subject](#).

Our goal with this blog post was to highlight some frequently-asked-about poop topics and to reassure that **most things come out okay in the end**. And that's the real scoop.

Julie Kardos, MD and Naline Lai, MD

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modified from 2009 and 2014 posts

Got little kids? One must-have number to put in your phone



The number to put in your phone when you have little ones? Poison Control: **1-800-222-1222**. Text "POISON" TO 797979 to save the poison control contact information in your smartphone.

Did your toddler eat dog poop? Or a berry from your backyard bush? Did you give the wrong medication to your child? **Call Poison Control.**

Experts at Poison Control will direct your next step. They

have access to extensive data on poisoning, and they can give you that information much quicker than a drug-manufacturer or pharmacist or even your own doctor. **The call is free.**

One of Dr. Lai's kids ate a mushroom from the yard when she was 20 months old—she called Poison Control. A mom asked Dr. Lai about carbon monoxide exposure—she called Poison Control. If doctors have a question about any ingestion or poisoning—we call Poison Control. But don't wait for us to call, go ahead yourself and call.

People often jump first to the internet for information. However, a small [2013 study](#) found that the internet is NOT the best place to research questions about toxins. Many sites fail to direct readers to the Poison Control Center, and those who do, fail to supply the proper phone number – again, that's **1-800-222-1222**. If you do want to use the internet, use www.PoisonHelp.org which is a product of the American Association of Poison Control Centers

If your child needs emergent treatment, surfing the internet for what to do next wastes precious time. Don't reach for your phone to "google it." In the case of a possible poisoning, reach for your phone and make a CALL.

It could be life-saving.

Julie Kardos, MD and Naline Lai, MD

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[Pediatric tidbits-probiotics,](#)

sport burnout and more



In front of “The Bean” in Chicago

We’re back from the American Academy of Pediatrics National Conference and Exhibition in Chicago—sharing with you some tidbits from the forefront of pediatrics:

New high blood pressure guidelines are here. Starting at age 3 years, children should have their blood pressure checked annually, more often if they have certain medical conditions such as diabetes or kidney disease. The cutoff for “high blood pressure” has been lowered so more and more, you may notice your pediatrician scrutinizing your child’s blood pressure.

We’ve noticed many more over-use injuries from kids who play

the same sport year round. We were reminded that most professional athletes played multiple sports in high school and some even up through college. Specialization in a particular sport leads to more injuries, burnout, depression, and anxiety. If you feel that sports rule your child's life, remember this good rule of thumb: for high school kids, keep training under 16 hours a week. For the younger kids, keep the total number of hours per week playing organized sports under an hour per week for each year of age. For example, an 8 year old should spend no more than 8 hours per week playing organized sports.

Probiotics are ubiquitous these days, but are they helpful? In viral diarrhea, probiotics can be mildly helpful, and may shorten the duration of diarrhea by about a day. Probiotic therapy is showing promise for treating colic, but not for treating eczema. For more information see the [International Scientific Association of Probiotics and Prebiotics](#).

If your child scalds himself, put the burn under COLD running tap water for *20 minutes* to stop further injury. This treatment is effective for up to 3 hours after a burn.

A cautionary word about herbs: Know that herbs are not regulated by the FDA (Food and Drug Administration). Companies that supply herbs are under no obligation to show that the product works. Additionally, the company that sells the herb does not have to show that the herb is safe or effective, and cannot claim that the product can cure or prevent anything. Additionally there are no manufacturing standards to adhere to, which means you do not know how much herb or for that matter, any other contaminants, are in the herbs that you buy.

Julie Kardos, MD and Naline Lai, MD

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Cell phones, routers and electromagnetic radiation



At college drop off last week, my husband noticed an object that looked suspiciously like a router in our kid's dorm room. Vaguely aware that routers emit some sort of radiation, I turned to environmental medicine expert Dr. Alan Woolf for

information, here is what he shared:

Q: My daughter has a wireless router within 2 feet of where she sleeps. Is this a problem?

A: The answer to the question is unfortunately not a straightforward 'no problem'. Routers are one of a number of devices, including tablets, cell phones, and cell towers, that give off electromagnetic radiation (EMR) or radiofrequency radiation (RFR). In 2013 more than 6.8 billion mobile phones were registered.

Animal studies of EMR/RFR shows some biological effects, but it is uncertain whether these are applicable to humans. Human studies (and there have been many) have been either inconclusive or negative and are frequently confounded by problems with their design. However one well-controlled, blinded 2015 study of 31 adult females (average age: 26 years) holding 3G mobile phones near their heads for 15 minutes showed evidence of changes in their brain waves on EEG. Whether these changes were long-lasting or of any health import are unanswered questions. The International Agency for Research on Cancer (IARC), part of the United Nations' World Health Organization, said in June 2011 that a family of frequencies that includes mobile-phone emissions is "possibly carcinogenic to humans."

Federal agencies, such as the NIOSH, FCC and FDA, have set safety standards for mobile phones, routers, cell towers, etc. that are inclusive of safety factors for EMR/RFR emissions for humans; no commercial devices can be sold in the U.S. that do not comply with such standards. RFR energy levels from Wi-Fi equipment in all areas accessible to the general public, including school settings, are required to meet Federal exposure guidelines. The limits specified in the guidelines are based on an ongoing review of thousands of published scientific studies on the health impacts of RFR energy. Levels of RFR energy emitted from Wi-Fi equipment are typically well

below these exposure limits. As long as exposure is below these established limits, there is no convincing scientific evidence that emissions from this equipment are dangerous to schoolchildren or to adults. There is no scientific evidence of long-term or cumulative health effects of RFR in children.

Wireless routers in commercial use are very low energy devices and are not a safety concern. Still, It seems prudent to keep some distance away from EMR/RFR emitters when chronic exposure is likely. The strength (and therefore dose) of EMR/RFR is exponentially inversely proportional to distance from the emission. Apple Inc. itself recommends, for example, that mobile phones be held at least 5/8 inch away from the body, or that Bluetooth-type headphone devices be used to keep the head away from the phone emitter.

In reality, EMR/RFR waves are all around us (just see what happens when your cell phone is 'searching' for a signal—sometimes it finds half a dozen or more in your vicinity). Unfortunately the medical safety science has not kept up with advances in the technology and so there continue to be uncertainty and unanswered health questions concerning their safety.

Alan Woolf, MD, MPH

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We thank Dr. Woolf for his insight, and Dr. Lai is happy to report that her daughter gets great wi-fi reception. Alan Woolf, MD, MPH is Professor of Pediatrics, Harvard Medical School (HMS), attending physician at Boston Children's Hospital (BCH) and has authored over 250 original reports, scientific reviews, chapters, and other publications, many of them on topics concerning children's poisoning and toxic environmental exposures. Among other accolades he is a past-president of the American Association of Poison Control Centers (AAPCC), and immediate past-president of the American

Academy of Clinical Toxicology (AACT). Dr. Woolf has also served as external consultant to the World Health Organization's International Program in Chemical Safety and as a member of the National Advisory Committee for Acute Exposure Guideline Levels for Hazardous Substances, EPA. He was recently chosen as a member of the General Hospital & Personal Use Device Panel of the Food & Drug Administration (FDA) and also serves as a consultant to the Medical Devices Advisory Committee of the Center for Devices and Radiological Health of the FDA.

What's new with the flu vaccine 2017-2018



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“What? The flu vaccine again? We JUST got it,” our kids groaned when we told them it was time to get their flu vaccines. In fact, they “just got it” a year ago, which we pointed out to them. Read on to see updates on this year’s flu vaccine and why it should be on your child’s back to school to do list.

This year’s flu vaccine is slightly different from last year’s– it’s been changed to cover a different strain of circulating H1N1 influenza. Several flu vaccines have been FDA approved for this year’s flu season and all of them will give

similar protection for your child. Make sure your child receives a flu shot and [NOT the FluMist](#)/spray-in-the-nose kind of vaccine. Unfortunately for those who are needle phobic, the FluMist has not been shown to be effective and therefore, while still licensed, is NOT recommended for use this year.

The flu vaccine is recommended for **all kids six months of age and older**, with [very few exceptions](#). Even pregnant moms safely can receive the flu vaccine.

Too early for flu vaccine? Nope! Older adults might lose some immunity if vaccinated “too soon” in the season, but this observation is not born out in kids. The threat of incomplete or forgotten vaccine outweighs theoretical risk of delaying flu vaccine (even for older adults), so best to get it now.

In case you forgot, the flu is a week of misery, consisting of high fevers, cough and other respiratory symptoms, body aches, and headaches. Younger kids are prone to some diarrhea or vomiting or both along with these bad cold symptoms. The flu can cause dehydration and pneumonia, and sometimes death, even in previously healthy kids. Simply limiting your child’s exposure to people showing flu symptoms is not an effective way of preventing illness because people are the most contagious right before they show any symptoms.

Booster dose As in previous years, children under nine years of age need a booster dose the first year they receive the vaccine. If your young child should have received a booster dose last year, but missed it, they will receive two doses of this year’s vaccine spaced one month apart (the primary dose plus a booster dose).

[This prior post](#) teaches you how to tell if your kid has flu vs “just” a cold. We invite you to read more about this year’s flu vaccine on the Centers for Disease Control website [here](#).

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First day of kindergarten-a letter to your child



Whether your child is about to start kindergarten or college, we invite you to read Dr. Lai's letter she wrote to her first born the night before she started kindergarten. Spoiler: You might want to grab a tissue.

My Child,

As we sit, the night before kindergarten, your toes peeking out from under the comforter, I notice that your toes are not so little anymore.

Tomorrow those toes will step up onto to the bus and carry you away from me. Another step towards independence. Another step to a place where I can protect you less. But I do notice that those toes have feet and legs which are getting stronger. You're not as wobbly as you used to be. Each time you take a step you seem to go farther and farther.

I trust that you will remember what I've taught you. Look both ways before you cross the street, chose friends who are nice to you, and whatever happens don't eat yellow snow. I also trust that there are other eyes and hearts who will watch and

guide you.

But that won't stop me from worrying about each step you take.

Won't stop me from holding my breath.

Just like when you first started to walk, I'll always worry when you falter.

I smile because I know you'll hop up onto the bus tomorrow, proud as punch, laughing and disappearing in a sea of waving hands. I just hope that at some point, those independent feet will proudly walk back and stand beside me. Maybe it will be when you first gaze into your newborn's eyes, or maybe it will be when your child climbs onto the bus for the first time.

Until then, I hold my breath each time you take a step.

Love,
Mommy

Naline Lai, MD

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[Get your child back on a school sleep schedule](#)



Great-horned owl, NPS Photo, Big Bend National Park

Okay, we admit it: our kids are still in their summertime sleep mode of stay up late/sleep late. With school starting soon, many of us now have to shift our children from summer to school year sleep schedules. Because school start times are constant (and early), the kids will have an easier time if you help them shift their bedtimes gradually over the period of a week or two toward the desired earlier bedtime. Remember, the average school-aged child needs 10-11 hours of sleep at night and even teenagers function optimally with 9-10 hours of slumber per night.

Here are some straight forward ways to help ensure good quality sleep for your child:

- 1. Keep sleep onset and wake up times as consistent as possible 7 days a week.** If you allow your child to “sleep in” during the weekends, she will have difficulty falling asleep earlier on Sunday night, have difficulty waking up Monday morning, and start off her week overtired, more cranky, and less able to process new information—not good for learning. That said, you can allow your teens, who generally have a much earlier school start time than their biological clocks desire, to sleep in an hour or so on weekends to catch up on sleep.
- 2. Limit or eliminate caffeine intake.** Often teens who feel

too sleepy from lack of sleep drink tea, coffee, “energy drinks” or other caffeine laden beverage in attempt to self-medicate in order to concentrate better. What many people don’t realize is that caffeine stays in your body for 24 hours so it is entirely possible that the caffeine ingested in the morning can be the reason your child can’t fall asleep later that night. Know also that kids who drink “pre-work out” drinks may not realize that caffeine is one of the ingredients. Better to pre-hydrate with water. Caffeine can have side effects of jitteriness, heart palpitations, increased blood pressure, and gastro-esophageal reflux (heartburn). If your child already has a daily ice-tea, coffee, or other caffeine containing drink, let her wean down gradually- abrupt caffeine withdrawal can cause headaches.

3. **Keep a good bedtime routine.** Just as a soothing, predictable bedtime ritual can help babies and toddlers settle down for the night, so too can a bedtime routine help prepare older kids for sleep. Prevent your child from doing homework on his bed- better to associate work with a desk or the kitchen table and his bed with sleep.
4. **Avoid TV/computer/ screen time/smart phones just before bed.** Although your child may claim the contrary, watching TV is known to delay sleep onset. We highly recommend no TV in a child’s bedroom, and suggest that parents confiscate all cell phones and electronic toys, which kids may otherwise hide and use without parent knowledge, by one hour prior to bedtime. Quiet activities such as taking a bath, reading for pleasure, and listening to music are all known to promote falling asleep. Just be sure your kids put down the book, turn off the music, and turn off the light to allow time to relax in their beds and fall asleep. Many use this time for prayer or meditation.
5. **Encourage regular exercise.** Kids who exercise daily have an easier time falling asleep at night than kids who don’t exercise. Gym class counts. So does playing

outside, dancing, walking, and taking a bike ride. Participating in a team sport with daily practices not only helps insure better sleep but also has the added benefit of promoting social interactions

Getting enough sleep is important for your child's academic success as well as for their mental health. We pediatricians have had parents ask about evaluating their children for attention-deficit hyperactivity disorder because of an inability to pay attention, only to find that their youngster's focusing issues stem from tiredness. Teens are often so over-involved in activities that they average 6 hours of sleep or less per night. Increasing the amount of sleep in these kids can alleviate their attention problems and resolve their hyperactivity.

Additionally, sleep deprivation can cause symptoms of depression. Just recall the first few weeks of having a newborn: maybe you didn't think you were depressed but didn't you cry from sheer exhaustion at least once? A cranky kid or sullen teen may become much more upbeat and pleasant if they get an extra hour of sleep each night.

Unfortunately for children, the older they get, their natural circadian rhythm shifts them toward the "night owl" mode of staying up later and sleeping later, and yet the higher-up years in school start earlier so that teens in high school start school earliest at a time their bodies crave sleeping late. A few school districts in the country have experimented with starting high school later and grade school earlier and have met with good success. Unless you live in one of these districts, however, your teens need to conform until they either go to college and when they can choose classes that start later in the day or choose a job that allows them to stay up later and sleep later in the day.

For kids of all ages, a night time ritual of "tell me about your day" can help kids decompress, help them fall asleep, and

keep you connected with your child.

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Got gas? About baby burps and farts

Gas is another topic most people don't think much about until they have a newborn. Then suddenly gas becomes a huge source of parental distress, even though parents are not the ones with the gas. It's the poor newborn baby who suffers, and as all parents know, our children's suffering becomes OUR suffering.



So what to do?

First, please be reassured that ALL young babies are gassy. Yes, all. But some newborns are not merely fussy because of their gas. Some babies ball up, grunt, turn red, wake up from a sound sleep, and scream because of their gas. In other words, some babies really CARE about their gas.

Remember, newborns spend nine months as fetuses developing in

fluid, and have no experience with air until taking their first breath. Then they cry and swallow some air. Then they feed and swallow some air. Then they cry and swallow some more air. Eventually, some of the air comes up as a burp. To summarize: Living in Air=Gas Production.

Gas expelled from below comes from a different source. As babies drink formula or breast milk, some liquid in the intestines remains undigested, and the normal gut bacteria “eat” the food. The bacteria produce gas as a byproduct of their eating. Thus: a fart is produced.

The gas wants to escape, but young babies are not very good at getting out the gas. Newborns produce thunderous burps and farts. I still remember my bleary-eyed husband and I sitting on the couch with our firstborn. On hearing a loud eruption, we looked at each other and asked simultaneously, “Was that YOU?” Then we looked at our son and asked “Was that HIM?”

Gas is a part of life. If your infant is feeding well, gaining weight adequately, passing soft mushy stools that are green, yellow, or brown but NOT bloody, white, or black (for more about poop, see our post [The Scoop on Poop](#)), then the grunting, straining, turning red, and crying with gas is harmless and does not imply that your baby has a belly problem or a milk or formula intolerance. However, it’s hard to see your infant uncomfortable.

Here’s what to do if your young baby is bothered by gas:

- **Start feedings before your infant cries a long time from hunger.** When infants cry from hunger, they swallow air. When a frantically hungry baby starts to feed, they will gulp quickly and swallow more air than usual. If your infant is wide awake crying and it’s been at least one or two hours from the last feeding, try to quickly start another feeding.
- **Burp frequently.** If you are breastfeeding, watch the

clock, breastfeed for five minutes, change to the other breast. As you change positions, hold her upright in attempt to elicit a burp, then feed for five more minutes on the second breast. Then hold your baby upright and try for a slightly longer burping session, and go return her to the first breast for at least five minutes, then back to the second breast if she still appears hungry. Now if she falls asleep nursing, she has had more milk from both breasts and some opportunities to burp before falling asleep.

- If you are bottle feeding, **experiment with different nipples and bottle shapes** (different ones work better for different babies) to see which one allows your infant to feed without gulping too quickly and without sputtering. Try to feed your baby as upright as possible.
- **Hold your infant upright for a few minutes after feedings** to allow for extra burps. If a burp seems stuck, lay her back down on her back for a minute and then bring her upright and try again.
- To help expel gas from below, lay her on her back and pedal her legs with your hands. When awake, give her plenty of [tummy time](#). Unlike you, a baby can not change position easily and may need a little help moving the gas out of their system.
- **If your infant is AWAKE after a feeding, place her prone (on her belly) after a feeding.** Babies can burp AND pass gas easier in this position. **PUT HER ONTO HER BACK** if she starts to fall asleep or if you are walking away from her because she might fall asleep before you return to her. Remember, all infants should [SLEEP ON THEIR BACKS](#) unless your infant has a specific medical condition that causes your pediatrician to advise a different sleep position.
- Parents often ask if **changing the breast feeding mother's diet or trying formula changes** will help decrease the baby's discomfort from gas. There is not

absolute correlation between a certain food in the maternal diet and the production of gas in a baby. However, a nursing mom may find a particular food “gas inducing.” Remember that a nursing mom needs nutrients from a variety of foods to make healthy breast milk so be careful how much you restrict. Try any formula change for a week at a time and if there is no effect on gas, just go back to the original formula.

- **Do gas drops help?** For flatulence, if you find that the standard, FDA approved simethicone drops (e.g. Mylicon Drops) help, then you can use them as the label specifies. If they do not help, then stop using them.
- **Do probiotics help?** Unfortunately there is not a lot of data about probiotics to treat gas in infants. Probiotics can help other pediatric conditions such as the duration of acute diarrhea, and while deemed mostly harmless in otherwise healthy infants, they have not been shown to affect gas. A 2010 American Academy of Pediatrics summary of the use of probiotics in kids can be found [here](#). A [2016 review of use of probiotics used for colic](#) (but not specifically gas) in breast fed infants showed that probiotics MIGHT decrease crying, but concluded that more research is needed before probiotics can be recommended. Now, if you actually do have a REAL little piggy (not just a nickname for your baby), [animal studies](#) show that probiotics may cut down on gas.

The good news? The discomfort from gas will pass. Gas discomfort typically peaks at six weeks and improves immensely by three months. At that point, even the fussiest babies tend to mellow. The next time your child’s gas will cause you distress won’t be until he becomes a preschooler and tells “fart jokes” at the dinner table in front of Grandma. Now THAT is a gas.

Julie Kardos, MD and Naline Lai, MD

The best allergy medicine for kids aged 2-5 years old



one way to beat allergies

The stereotype of the runny nosed preschooler is not so far fetched. But is it allergies or a cold? The difference between allergies caused by environmental irritants and colds caused by viruses can be tough to sort out in this age group. After all, germs spread like wildfire through the preschool crowd who tends to touch everything and everyone. The little ones are still sucking thumbs and rubbing eyes but aren't

so skilled at hand washing. At the same time, environmental allergies affect this age group just as much as in our older kids.

Your pediatrician can help sort out if your child suffers from back-to-back cold viruses or from allergies, although it isn't always straightforward. One hint is in genetics. After all, the apple does not fall far from the tree. If one biological parent has allergies, a child has about a [forty to fifty percent chance](#) of having allergies. If both parents do, then the kid is doomed to about an eighty percent chance of allergies. Also, if one parent complains loudly that their nose is runny from allergies and your child's nose starts to run, then it's allergies. If your child has other signs such as a seasonal itchy face, a perpetual runny nose, or a dry sounding cough, your child's doctor might recommend a trial of allergy medicine.

There are a few reasons that pediatricians often choose trial of allergy medicine without allergy testing.

1. Allergy testing involves either a blood draw or "skin testing" which is basically "skin pricking." As you are likely well aware, kids this age are almost uniformly needle-phobic. Also, specifically testing for potential allergic triggers in the environment can be tricky. After all, can't test for every flower or tree.

Testing may be useful when there is something specific that can be eliminated in order to control symptoms. For example, if the new family cat is the trigger, then the cat can be kept out of the child's bedroom, or in extreme cases parents may need to find a new home for the pet. In general, we caution about testing for sensitivity to family members such as dogs or cats.

2. If we decide that a child is allergic to trees, grass, pollen, or [dust](#), things that kids cannot easily avoid, then,

the mainstay of treatment is to periodically treat allergy symptoms with medicine. So if the end result is that the child will take allergy medicine, then one approach is to try the medicine, and if the child's symptoms resolve, we have confirmed allergies.

So which allergy medicine to start? Here are some options:

Diphenhydramine (brand name eg. Benadryl, Banofen): This safe allergy medicine has been around for many years, and for this age, comes as a liquid, chewable tablet, and a melt-on-your-tongue form. The dose for kids younger than 6 years is based on your child's weight, so you can check the correct dose with your pediatrician. The main side effect is sleepiness, so if symptoms are worse overnight, this medicine is good for bedtime dosing. This medicine lasts 6-8 hours, so your child may need 2 or 3 doses in a 24 hour period to adequately control symptoms. A small percentage of children can become hyper, rather than sleepy, when they take diphenhydramine. If this happens, you will know NOT to give a dose at bedtime.

Cetirizine (brand name eg. Zyrtec, Aller-tec): This safe allergy medicine has been approved for kids this age for many years. The advantage is that it can be dosed once daily. It does not cause as much drowsiness as diphenhydramine. Just in case their kids feel a little sleepy on it, many parents will give the dose at bedtime. For children aged 2-5 years, the commonly [recommended dose is between 2.5 and 5mg](#), but may change depending on other medical problems your child might have, so check with your child's pediatrician for proper dosing. For this age, the medicine comes as a liquid and as a chewable tablet.

Loratadine (brand name eg. Claritin, Alavert): Similar to cetirizine, loratadine is less sedating than diphenhydramine and also less likely to sedate than cetirizine. The dose commonly recommended for this age group is [5mg once daily](#), but check the dose with your child's pediatrician because the dose

may change with certain health conditions, such as kidney or liver problems. Kids usually take the liquid or dissolve-on-the-tongue form. The tablet form technically can be cut in half and chewed, but tastes like cardboard.

While allergy nasal sprays and allergy eye drops work very well for allergies (see our [prior post](#) on the best allergy medicine for kids), Parents often end up wresting their kids in order to administer the drops.

Of course, you can also try to “wash the outside off” once your allergic kid comes inside. This means washing hands and face with soap and water, and perhaps even changing shirts. Or you can do what our photographer did with her little one – a dunk in the sink.

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