There are many reasons you might wait to have kids. You may want to focus on your career. Or save some money first. About 20% of women in the U.S. now have their first child after age 35. You may have heard that getting pregnant can be more difficult as you age. Or that it’s riskier for both the mom’s and the baby’s health. While these can be issues when having children later in life, many concerns are manageable.

Getting Pregnant • It can be more difficult to get pregnant with age. There are many reasons for that. One is that fertility decreases as you get older—for both men and women. Women are born with a set number of eggs. Each month, a woman’s ovary releases an egg to be fertilized. This process is called ovulation. But before that, her body recruits many eggs in preparation for this process. A handful of eggs are developed and matured, but usually only one makes it to ovulation.

“As women age, they’re still fertile, but their odds of pregnancy are decreased because they’re not making as many good eggs that will fertilize and divide normally and turn out to be an embryo,” explains Dr. Alan Decherney, an NIH fertility expert.

After age 30, a woman’s fertility decreases every year. The number and quality of her eggs goes down until she reaches menopause.

Menopause usually happens around age 45 to 55. During that time, women stop having their periods and are no longer fertile.

Older men may make fewer sperm or lower-quality sperm. The age-related decline in egg and sperm quality is associated with a higher chance of the child developing certain health conditions. This includes autism spectrum disorder, Down syndrome, and schizophrenia.

But most healthy women who give birth in their 30s and 40s have healthy babies.

Pregnancy Problems • If you’re over 35 and haven’t gotten pregnant after trying for six months, talk with your health care provider. You may be experiencing issues with infertility. Infertility is when a couple can’t get pregnant or a woman hasn’t been able to carry a pregnancy to term.

NIH-funded researchers are studying the causes of infertility for both men and women. There are many reasons for infertility.

“The most common cause of infertility in women is related to ovulation abnormalities,” says Dr. Esther Eisenberg, who oversees reproductive medicine and infertility research at NIH.

Having Kids Later in Life
Healthy Pregnancies as You Age
movements. It accounts for at least a third of infertility in women. It’s more common for women in their 30s and 40s.

Fibroids are also more likely as you age. These are abnormal growths made from the uterus’s muscle cells. They can grow inside or outside of the wall of the uterus. These growths can prevent a woman from getting pregnant. Most women get at least one fibroid in their lifetime. But they’re most common between the ages of 40 to 50.

Other causes of infertility can be treatments for certain health conditions. “Women who have been treated for cancer might have a reduced number of eggs,” Eisenberg says. “If you’ve had other conditions that require surgery to remove an ovary or fibroids—in which you’ve had surgery on the uterus—that might impact your fertility as well.”

Seeking Help • “If being able to have a child becomes an issue, there are treatments,” Eisenberg says. “The majority of women are able to have a child with help.”

Treatments for infertility depend on the cause. Endometriosis and fibroids can be treated with drugs, surgery, and other methods. Medicines can help stimulate ovulation. These are called fertility drugs. Some are taken orally and others are injected.

Other options may be assisted reproductive technologies. Examples include in vitro fertilization (IVF) and intracytoplasmic sperm injection (ICSI). These procedures help you get pregnant using different methods of fertilizing an egg.

Decherney’s group studies egg preservation, which involves freezing eggs. It may help some women facing health conditions that can reduce fertility. “But it’s expensive,” he notes.

Staying Healthy • Infertility isn’t the only issue older couples face. “Whether a woman can have a baby as she ages also depends on her health,” Decherney says. “The chances of having diabetes or high blood pressure—which are the two major diseases that impact pregnancy—are higher.”

Obesity, heart conditions, and cancer can also interfere with a woman’s ability to get pregnant or stay pregnant. They can lower men’s fertility, too.

Talk with your health care provider before becoming pregnant. They can help you plan for a safer pregnancy.

Being older when you’re pregnant also makes you more likely to experience health problems from being pregnant or giving birth. These include heart disease, infection, bleeding, high blood pressure, and blood clots.

High blood pressure puts pregnant women at higher risk for preeclampsia. Preeclampsia is a serious medical condition that can cause you to go into labor early. It can also lead to death.

No matter your age, you have a better chance of getting and staying pregnant by living a healthy lifestyle. See the Wise Choices box for tips.
When Body Parts Swell
Taking a Closer Look at Edema

Swelling in the body can happen for many reasons. Summer heat can cause your arms or legs to swell if you’ve been sitting or standing for a while. Body parts can also swell from overuse or an injury. But sometimes, swelling is a sign of an underlying medical condition.

More than half your body is made of water. Much of it flows around in your bloodstream. Water also makes up a lesser-known fluid called lymph. Lymph travels through the lymphatic system, which is made up of the tissues and organs that produce, store, and carry immune cells.

When your body fluids build up in one place, it can lead to swelling. This is called edema. You can get edema anywhere in your body—your feet, legs, ankles, hands, or even face. It can appear in one place or in many body parts at the same time.

Sometimes it’s only temporary. Pregnancy can lead to swelling in the legs and ankles from the pressure of the baby. Eating too much salt can cause you to retain water. So can certain medications, like some used for high blood pressure.

“Edema can cause problems with moving around, discomfort, infections, and difficulty with wound healing,” says Dr. Dhruv Singhal, a surgeon who treats lymph system problems at Harvard University. “So any kind of swelling should be looked at by a health care provider.”

Edema may be a sign of a serious medical condition. A dangerous type of blood clot called a deep vein thrombosis, or DVT, can cause sudden edema. Heart, liver, or kidney problems can also lead to swelling.

In a disease called congestive heart failure, the heart has problems pumping blood around the body. This can cause fluid to pool in the legs. With liver or kidney damage, fluid can’t pass through them quickly and can build up in the limbs.

Trauma to the body can also trigger edema. Singhal treats a type of edema caused by damage to the lymphatic system. This is called lymphedema. In the U.S., lymphedema is most often caused by cancer surgery.

Treatment for edema depends on the cause. If the swelling is caused by a drug, switching to a different type of medication may help. People with edema caused by a blood clot usually receive a blood thinner to break up the clot. Drugs called diuretics may be used for conditions like heart failure. These help your body get rid of excess fluid.

“We also have certain treatments that almost all patients get, no matter what the cause of their edema is,” Singhal says. These include compression garments: stockings, sleeves, or gloves that help reduce swelling. They can help reduce discomfort even if the cause of edema is something that can’t be treated. See the Wise Choices box for more tips for living with edema.

If you experience sudden swelling in one or more limbs, or minor swelling that’s getting worse over time, see a health care provider right away. Early treatment for many types of swelling can reduce symptoms in the long term, Singhal explains.

Definitions

Immune Cells
Cells that protect your body from invading viruses, bacteria, and other microscopic threats.
Health Capsules
For links to more information, please visit our website and see these stories online.

Certain Antioxidants May Lower Dementia Risk

Antioxidants are a type of compound found in vegetables and fruits. They help protect your cells from a certain type of damage. Eating lots of produce can help lower your risk of heart disease and other health problems. A new study found that certain antioxidants in these foods may also reduce the risk for Alzheimer’s disease and other dementias.

Dementia, including Alzheimer’s disease, harms your ability to remember, think, and make decisions. Studies have found several lifestyle factors that may help lower the risk of getting dementia. These include eating a healthy diet, being physically active, and socializing with others. Getting enough sleep and doing activities that challenge your brain may also help.

Studies of antioxidants’ effects on dementia have had mixed results. Some have found that they protect the brain. Others have not. These studies asked people to remember what types of foods they’d eaten over a long period of time.

In a new study, researchers measured antioxidant levels in blood samples from more than 7,000 people. Participants were between the ages of 45 and 90. They were part of a nationwide study tracking their health over 16 years.

Blood levels of certain antioxidants were linked with a lower risk of developing dementia. These included lutein and zeaxanthin, which are found in green, leafy vegetables. They also included beta-cryptoxanthin, which is found in some orange-colored fruits.

“Further studies are needed to test whether adding certain antioxidants to the diet can help protect the brain from dementia,” says NIH’s Dr. May Beydoun, who led the study.

What Causes Hepatitis?

Hepatitis has been in the news a lot lately. New cases have been showing up in children around the world. Doctors aren’t sure why. Hepatitis is inflammation of the liver. Inflammation is the body’s protective response to injury or infection. What causes hepatitis isn’t always known.

Viruses are the most common culprit. There are five known viruses that cause the condition: hepatitis A, B, C, D, and E. Hepatitis A and E are usually spread through contaminated food or water. Hepatitis B, C, and D are contracted through exposure to infected blood and possibly other body fluids.

Other viruses may also cause symptoms of hepatitis. Usually, your body can fight off these types of infections. But sometimes, they become chronic, or long lasting.

Other causes of hepatitis include heavy alcohol use, toxins, certain medications, and autoimmune diseases. Autoimmune diseases happen when the body’s protective response to illness or disease goes awry. This can cause your body to attack your own cells and organs, like the liver.

Chronic hepatitis can have serious complications. It can damage your liver and lead to liver failure. It can also cause liver cancer.

Learn more about viral hepatitis at go.usa.gov/xJKTV and go.usa.gov/xJKTm. For autoimmune hepatitis, visit go.usa.gov/xJ5JZ.

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