A patient guide to hepatitis C
Understanding hepatitis C

Learning how to manage hepatitis C treatment might feel like a challenge, especially at first. But understanding your diagnosis can help you control your condition. We want to help you get the most from your treatment. This booklet discusses how staying on track with lifestyle changes and medication therapy can help you manage your symptoms and live a full and active life.

The liver and hepatitis C

The liver helps digest food and change it into energy. The liver breaks down things like alcohol, caffeine and medications. It also helps in blood clotting and plays a role in many other important body functions.

Hepatitis C is a virus. It is sometimes called HCV. It causes swelling that can damage the liver. There are other types of hepatitis. Some can be prevented by vaccines. But there is no vaccine for hepatitis C.

Diagnosis

Hepatitis C is often called a silent disease. It can infect a person for many years before it’s discovered. Many people don’t have any symptoms. Others notice extreme tiredness or muscle aches. Some notice stomach pain. With or without symptoms, the virus can damage the liver.

Blood tests can show if you have been exposed to the virus. The tests can also tell if the virus is active in your body. A blood test can find the virus in your body two to eight weeks after infection. New infections are considered acute in the first six months. For most people, the virus stays in the body to become chronic (long-term) hepatitis C. This can cause other health problems.

Your doctor likely used blood tests to diagnose you. Your doctor might have suggested your blood tests for certain reasons:

- Abnormal liver enzymes or liver function tests
- Birth year between 1945 and 1965
- Health history
- History of piercings or tattoos
- Unexplained symptoms

Sometimes, the virus is found when screening potential blood donors.
Hepatitis C in the United States
3.2 million people with hepatitis C
145,762 reports of acute or chronic hepatitis C (as of 2012)
17,721 deaths linked to the virus (as of 2011)

Genotypes
There are different types of hepatitis C viruses. These are called genotypes. There are at least six known genotypes and more than 50 subtypes. Genotypes 1, 2 and 3 are the most common in the United States.

A blood test will find which genotype you have. It does not change during the course of your infection. Different genotypes require different medications. Most are taken for 12 weeks. But the length of treatment can differ from person to person.

How hepatitis C is spread
Hepatitis C is spread through direct contact with infected blood. In the United States, the virus is usually spread through:
- Accidental needle sticks in healthcare settings
- Blood transfusions or organ transplants before 1992
- Sharing needles to inject drugs

Less commonly, the virus can spread through unprotected sex with an infected person. It might be spread through unclean tattoo or piercing tools. It might also be spread through personal items with traces of blood, like razors or toothbrushes.

How to avoid spreading hepatitis C
When you have hepatitis C, you must avoid spreading the virus. You should also avoid being exposed to the virus again. It is possible to get infected again with the same or different genotype of hepatitis. Take some basic precautions:
- Do not share needles or other drug materials, like straws.
- Do not donate blood, organs or sperm.
- Cover cuts and blisters.
- Carefully throw away used tissues, bandages, tampons and anything with your blood on it.
- Use soap and water to wash blood off your hands or other objects with your blood on them.
- Clean blood off other surfaces with a solution of one part bleach to 10 parts water. Wear gloves while cleaning.
- Don’t share personal items that could have blood on them. This includes toothbrushes, razors, nail clippers or body piercing tools.

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Long-term effects
Your liver can heal itself. But sometimes it can’t fix severe damage. Injury to your liver over many years causes scar tissue. This is called fibrosis. Scar tissue cannot do what normal tissue can do. Severe fibrosis that stops your liver from working properly is called cirrhosis. Hepatitis C is the leading cause of cirrhosis in the United States. Living with hepatitis C for a long time (20 years to 30 years) can raise your risk of cirrhosis.

Cirrhosis can cause many health problems. It can cause fatigue and make it hard to think clearly. It can prevent the liver from filtering harmful substances and medications from the blood. It might also increase the risk for liver cancer. One sign of advanced cirrhosis is ascites. Symptoms include a fluid build-up in the belly that can cause sudden weight gain. Check your weight daily. Call your doctor if you suddenly gain more than 10 pounds or more than 2 pounds per day for three days in a row. People who develop ascites usually need a liver transplant to survive.

Even with treatment, some people with chronic hepatitis C will need a liver transplant. The surgery removes a damaged liver and replaces it with a healthy one. Many people lead normal, active lives after a liver transplant. But there might be a long wait for a liver transplant. There are few donor livers. Treatment before and after a transplant can also be a challenge. Because of this, your doctor might discuss this option with you long before you might need it.

Help your liver heal
You can take simple steps to help your liver health:
- Take medications as prescribed—at the right times and the correct doses
- Eat well
- Keep a healthy weight
- Avoid things that can harm your liver, like alcohol and illegal drugs

Hepatitis C is not spread through:
- Hugging or holding hands
- Coughing or sneezing
- Sharing eating utensils (such as spoons and forks) or drinking glasses
- Food or water

Staying on track with treatment
Your doctor prescribed your treatment because you have a good chance of responding to it. But you must take your medication as prescribed. Talk to your doctor or pharmacist if you have questions. If you are having a hard time staying on track with treatment, ask your doctor or pharmacist for help. Do not stop taking your medications without asking your doctor first.

In some cases, untreated hepatitis C can scar the liver and cause problems like cirrhosis that prevent the liver from working as it should. It can also cause other health problems. Making lifestyle changes and taking medications as prescribed can increase the chances of curing the infection and preventing liver damage.
There are many other ways you can take care of yourself while treating hepatitis C. One important step is to ask your doctor about being vaccinated against hepatitis A and B. You can also help your health by eating well, watching your weight, getting enough rest and staying active.

Healthful eating
Most people with hepatitis C don’t need a special diet. The key is to eat healthfully and keep a healthy weight. Here are some tips to consider:

• Drink plenty of fluids. Aim for at least eight to 10 glasses of water or clear, caffeine-free fluids a day.
• Avoid alcohol. There is no evidence that any use of alcohol is safe for people with hepatitis C.
  – The virus can weaken the liver’s ability to break down alcohol.
  – Drinking too much alcohol can cause cirrhosis, advanced liver disease or liver cancer.
• Ask your doctor about dietary supplements.
  – Food is the best source of vitamins and minerals. But a supplement might be helpful. This is especially true if you have a weak appetite.
  – Talk to your doctor before taking any supplement. This includes herbal and over-the-counter products. Don’t take more than your doctor recommends. Tell your pharmacist about any supplements you are taking.

Smart food choices
Choosing the right foods can help your health. You might also ask your doctor to refer you to a dietitian. Together, you can create a meal plan that works for you. Here are some ways to improve your food choices:

Foods to enjoy often

**Fruits**
- Try to eat five servings of fruit a day. Try fresh, frozen or canned fruits.
- Buy fruits that are in season. They are often more affordable and at their peak flavor.
- Use a blender to make fruit smoothies.

**Vegetables**
- Choose vegetables that are easy to prepare.
- Buy prewashed bags of salad greens. Add cherry tomatoes for quick salads.
- Try baby carrots or celery sticks for easy snacks.

**Lean meats, fish, dried beans and eggs**
- Choose these foods as good sources of protein. They can help your body fight infection.
- Boil, bake or stir-fry foods instead of deep-frying them.

**Dairy**
- Select low-fat or fat-free milk, cheese and yogurt.
- Choose dairy-based snacks. Try light string cheese or fruit smoothies made with milk.

**“Good” fats (unsaturated)**
- Know that flaxseed, canola and soybean oil are good sources of unsaturated fat.
- Eat cold-water fish. Try tuna, salmon or mackerel.
- Add nuts or seeds to other foods for a healthy crunch.
- Use fats sparingly. All fats are high in calories.

**Foods to limit or avoid**

**Salt**
- Reduce the salt in your diet. This can help you keep a healthy weight. It can also prevent swelling in your legs or belly if you have cirrhosis.
- Limit processed foods like crackers, chips and canned soups. These are high in salt.
- Use herbs and other seasonings in place of salt.
- Read food labels to know which foods are high in salt.

**Sugar**
- Limit sugary foods and drinks. They tend to be high in calories and low on nutrition.
- Keep in mind that eating too many sweets leaves less room for more healthful foods.

**“Bad” fats (saturated and trans fats)**
- Limit animal products such as cheese, butter, whole milk, ice cream, cream and fatty meats (including beef, sausage, bologna and hot dogs). These are high in saturated fat.
- Keep in mind that coconut, palm and palm kernel oil are high in saturated fat.
- Avoid fried foods and store-bought baked goods, candy and pastries. These are high in trans fats.
Living with hepatitis C (continued)

Keeping a healthy weight

Some people with hepatitis C have a hard time keeping on enough weight. This might be because some hepatitis C medications can cause side effects that make it hard to eat, such as:

• Bad taste in the mouth
• Nausea
• No appetite
• Sore mouth and throat
• Vomiting

Other people with hepatitis C have a hard time keeping off extra weight. Being overweight is one cause of the buildup of fat in the liver. This is called fatty liver. This can increase the risk of liver damage and cirrhosis.

To see if your weight is at a healthy level, you can check your body mass index (BMI). You can use a BMI calculator like the one from the National Heart, Lung, and Blood Institute (www.nhlbi.nih.gov/health/educational/lose_wt/BMI/bmicalc.htm). Enter your height and weight to calculate your BMI.

A BMI below 18.5 means your weight might be too low for your height. A BMI between 18.5 and 24.9 is considered normal. A BMI of 25 or more means you might need to lose weight. But BMI values can mean different things for different body types. Talk to your doctor about what your BMI means for your health.

Resting to recharge your body

Your body needs rest to heal and repair itself. Rest is even more important when you are taking hepatitis C medications. Rest gives you time to recharge. These tips might help you get added rest:

• Pace yourself. Make sure all your tasks are worth your time and effort. Take your time. Do the most important things earlier in the day, when you are likely to have more energy.
• Plan your activities. For example, write your shopping list in the order you’ll find the items in the store. This can limit how much time you will be on your feet.
• Sleep. General guidelines recommend about eight hours of sleep a night for most people. But this might vary for people living with chronic conditions like hepatitis C. Talk to your doctor about how much sleep is best for your health.
• Reduce stress. Take time for quiet activities. This might mean reading or watching television. Relaxation training or a support group might also help.
• Avoid large meals. Try to eat small meals more often throughout the day. You’ll feel more comfortable and sleep easier.
• Don’t do too much. Be honest about what you can do each day. Doing too much will make you more tired.

Staying active

Both hepatitis C and the medications for treating it can make you feel tired. You might not feel like exercising when you are tired. But staying active is as important as getting enough rest. Regular exercise can boost your energy. It can strengthen your body. It can also help you relieve stress and manage your weight.

Choose an activity you enjoy. You might consider some of the following activities:

• Cycling
• Low-impact aerobics
• Swimming
• Walking
• Weight training

Take it slowly at first. See how your body reacts to the activity. Try to exercise regularly. Ask a friend to join you.

Always check with your doctor before starting an exercise program. You might also want to meet with an exercise specialist for people with hepatitis C. Together you can make a plan that is right for your fitness level.
Emotional health

You might feel depressed about your condition, especially when you are first diagnosed. This is normal. Depression can also be a side effect of some hepatitis C medications. This side effect is becoming less severe and less likely with newer treatments. But it is still important to know the signs of depression and when to get help.

Symptoms of depression can include some or all of the following:

- Aches and pains that don’t go away with treatment
- Being tired or lacking energy
- Eating too much or too little
- Feeling hopeless or negative
- Feeling restless or irritable
- Feeling sad, empty or anxious most of the time
- Feeling worthless, helpless or guilty
- Having a hard time concentrating or making decisions
- Losing interest or pleasure in activities that you used to enjoy
- Sleeping too much or too little
- Thinking about death or suicide

If you have thoughts of suicide, call 911 or your local emergency services number. You can also call a doctor, mental health professional, crisis center or hotline for help.

Talk with your doctor if you feel depressed. Your doctor might suggest counseling, an antidepressant medication or both. In counseling, you can talk with a therapist about your thoughts and feelings.

Antidepressants help balance brain chemicals that affect your mood. It can take many months before they start to work. You might notice side effects sooner. These might include:

- Headache
- Lack of sex drive
- Nausea
- Restlessness
- Sleep problems

Talk with your doctor if your antidepressant does not help. Do not stop taking the medication on your own. Your doctor might need to adjust your dose or prescribe a different antidepressant.

Boost your mood

- Get enough sleep. Aim for around eight hours a night, but talk to your doctor about how much sleep is best for your health. Try to go to bed and get up at the same times each day.
- Reduce stress. Try calming activities, like yoga or meditation.
- Express yourself. Write your thoughts in a journal. Tell family, friends or support groups how you feel. Share positive and negative thoughts.
- Stay active. Choose activities you enjoy.
Pregnancy and breastfeeding

Some medications used to treat hepatitis C can cause severe birth defects. Ask your doctor what type of birth control might be needed during your treatment. For example, a couple must use two forms of birth control to avoid pregnancy if either partner is taking a ribavirin product. This could mean using a condom with spermicidal jelly as well as a diaphragm. This should continue for six months after the last dose. Drug information, including any applicable boxed warning, is available at http://dailymed.nlm.nih.gov.

Some hepatitis C medications might also make hormonal birth control, like pills and vaginal rings, less effective. Talk to your doctor if you are taking hormonal birth control during hepatitis C treatment. A couple must use two other types of birth control to avoid pregnancy. Ask your doctor or pharmacist about other types of birth control to take instead.

It is rare for a pregnant woman with hepatitis C to pass the virus on to her unborn baby. About 6% of babies born to women with hepatitis C have the virus.17 If a man with hepatitis C fathers a child with a woman who does not have the virus while pregnant, he can’t pass the virus on to the unborn baby.18

Talk to your doctor if you plan to breastfeed. Some hepatitis C medications are not safe to take when breastfeeding.20 The virus is not passed through breast milk. But it might spread through cracked or bleeding nipples.8,4

We’ve provided this information because we believe the more you know about hepatitis C, the better prepared you will be to manage it. In addition, the Walgreens Specialty Pharmacy Care Team is here to provide you with dependable, personalized support to help you manage medication side effects and stay on track with your prescribed therapy. We look forward to being a member of your healthcare team and helping you get the best results from your treatment.
References


*The referenced organizations are provided for informational purposes only. They are not affiliated with, and have not provided funding to Walgreens for this booklet. Walgreens does not endorse or recommend any specific organization.

Resources

You might find it helpful to contact these organizations for additional support and resources.*

American Liver Foundation (ALF)  
www.hepc.liverfoundation.org  
800-GO-LIVER (800-465-4837)

The ALF is dedicated to the prevention, treatment and cure of hepatitis and other liver diseases. The ALF’s Hep C 123 website includes resources for diagnosis, treatment and support.

Hepatitis Foundation International (HFI)  
www.hepfi.org  
800-891-0707

The HFI works to promote liver wellness and combat preventable diseases that affect liver health. The HFI website offers links to support groups, fact sheets, treatment information and other resources.

Centers for Disease Control and Prevention (CDC)  
www.cdc.gov/hepatitis/C/index.htm  
800-CDC-INFO (800-232-4636)

The CDC works with state health departments and other groups to promote health, prevent disease, injury and disability, and prepare for new health threats. The CDC website includes frequently asked questions, fact sheets and links to a directory of clinical trials and other resources.

U.S. Department of Veterans Affairs (VA)  
877-222-VETS (877-222-8387)

The VA is the largest single provider of medical care to people with hepatitis C in the United States. The VA website offers videos, printable fact sheets, charts and other tools for keeping track of treatment schedules, side effects and lifestyle changes.

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