The information in this guide is designed to help you understand and manage HCV and is not intended as medical advice. All persons with HCV should consult a medical practitioner for diagnosis and treatment of HCV.

A GUIDE TO: AGING & HEPATITIS C

Lucinda K. Porter, RN

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Hepatitis C virus (HCV) affects all age groups. It is estimated that there are more than 100,000 HCV-positive adults over the age of 70, living in the U.S. The prevalence of those with HCV has remained constant, but the balance is shifting, as patients grow older. Baby Boomers reach retirement age, the U.S. population will have record numbers of aging adults living with HCV.

Modern medicine offers many improvements for the average U.S. resident. Overall, the life expectancy of Americans is increasing. The quality of life is improving for aging adults. Scientists are gaining ground in the areas of viral hepatitis and other liver diseases. Treatment for HCV is easier to tolerate and has better outcomes.

Unfortunately, not much is known about the relationship between aging and chronic HCV infection. In general, aging adults confront different issues than younger adults. The purpose of this guide is to provide information that addresses the needs of older adults living with HCV. Although this guide is aimed at older adults, keep in mind that there is a huge difference between a 65 year old and a 95 year old.

This guide is primarily a starting place. The intention is to explore this area and to stimulate a discussion between older HCV patients and their medical team.

**Note:** Patients receive medical care from doctors, nurse practitioners and physician assistants. For simplicity, the term “doctor” is used throughout this guide.

> *Those who love deeply never grow old; they may die of old age, but they die young.*

—Benjamin Franklin

Lucinda K. Porter, RN, is the author of *Free from Hepatitis C* and *Hepatitis C Treatment One Step at a Time* and is a long-time contributor to the HCV Advocate.
HEPATITIS C

Hepatitis C is a disease caused by the hepatitis C virus (HCV). It primarily affects the liver and over time can harm the liver and health of an individual. Usually it takes a long time to do any damage, especially if the person who has it does not drink alcohol and lives a healthy lifestyle. Sometimes the damage is so minimal that people will go through their entire lives without knowing they have HCV.

COPING WITH AN HCV DIAGNOSIS

Most people experience some sort of emotional reaction after being diagnosed with chronic HCV. Fear, anger, sadness, denial and depression are common reactions. Although it is normal to have these short-term reactions, it is not healthy in the long-term.

It is important to get the whole picture. Talk to your doctor about your particular case. Try to establish how long you may have had HCV. People who acquired HCV when they were younger tend to do much better than those who acquired HCV after the age of fifty. Find out if you have mild, moderate, or advanced disease. For instance, if an eighty-five year old with mild disease was exposed forty years ago, the future looks optimistic. Compare this to a sixty-five year old with cirrhosis who had an HCV exposure ten years ago and the picture is less encouraging.

DISCLOSURE

For some, disclosure is a sticky issue. HCV is stigmatized for two reasons. First, it is an infectious disease and people may react negatively out of fear of acquiring HCV. Second, injection drug use is the most common route of infection. Some patients do not want to disclose or be associated with injection drug use.

Legally, you are not required to tell anyone. There are advantages and disadvantages to telling others. Deciding whom to tell, when to tell, and how to tell may be complicated. The people you tell may have a strong emotional reaction, usually driven by fear. Before you disclose this information, make sure you have enough facts so you can address their reactions. It may be helpful to have literature on hand to give to them.

Some older adults live in assisted-living programs. You may not want others living in the same facility to know your HCV status. This is perfectly understandable. Think carefully before disclosing to a fellow resident. If the staff knows your HCV status, they are legally bound to protect your privacy. If a staff member violates this, tell the medical director. Your state may have a bill of rights that will tell you how to report privacy violations.

If you receive medical care where blood is involved, you are not required to disclose. Healthcare workers use precautions to protect themselves and are at no more risk than the average person is. However, many in the medical and dental profession do appreciate knowing.

Disclosing to a sexual or potential sexual partner is also tricky. Most people do not volunteer this information on a first date. Although sexual transmission of HCV is very low, if a sexual relationship occurs, it is a good idea to be honest about HCV. Keep in mind, that if a long-term relationship develops, your partner might feel angry if you were not honest in the beginning. If you are not honest, be sure you practice safer sex.

When you disclose your HCV status, it is common to be asked, “How did you get it?” How you got HCV is no one’s business other than your own. You have the right to be completely honest or to dodge the question. Some patients say they “got it from HCV-infected blood” or “There is no way to know for sure.”

HCV SYMPTOMS

Some people have little or no symptoms. This could be because they hardly have any liver damage. Unfortunately, it also could be because the liver is a “non-complaining” organ. This means that there could be a lot of liver damage and hardly any symptoms. The most common symptom of HCV is fatigue. Body aches, flu-like symptoms, depression, and abdominal discomfort are also symptoms of HCV.

The issue of symptoms is complicated by the fact that many older adults with or without HCV have these complaints. Aging adults frequently report arthritis, depression, fatigue, sleep problems, memory difficulties, gastrointestinal problems, and dry skin, eyes and mouth. These symptoms also accompany HCV. It is very difficult to tell what is caused by HCV versus what is age-related. Further, these are symptoms of many other medical conditions, so it is important to seek medical help.
PROGNOSIS

The age at which HCV was acquired may influence prognosis. Individuals who become infected with HCV at older ages tend to have a worse prognosis than those who acquire HCV while young. Patients over the age of 50 who acquire HCV have a high risk of cirrhosis within 15 years. The National Institutes of Health (NIH) HCV Consensus report lists people over age 40 among those who are more likely to develop HCV-related liver cancer. Age can also have a negative impact on liver transplantation survival. In a study from Spain, Ignacio Herreroa and colleagues reported in the November 2003 issue of the *American Journal of Transplantation* that older liver transplant recipients have a significantly lower survival rate than younger patients.

PSYCHOLOGICAL AND SOCIAL ISSUES

Older adults face different psychosocial issues than younger adults do. Loss is a central theme, such as loss of independence, strength, agility and of the ability to perform certain tasks. Death and finding meaning in life take on more importance as people age. Loneliness and grief can bring pain as older adults lose their friends and family members to illness and death.

People living with HCV also cope with difficult issues. Loss of health and fear of death may play a more prominent role in an HCV patient’s life. An HCV diagnosis may feel like a double whammy to an aging adult hoping to live in good health during the golden years.

It is recommended that you talk about your thoughts and feelings. You can do this with your doctor, nurse, friends, and family. Talking to others who have HCV may be valuable. Find out if there is an HCV support group in your area. Attend a few times to see if the group is right for you.

HCV TRANSMISSION

There is no data specifically looking at HCV transmission rates in the older population. HCV may be transmitted during activities that involve blood. In order to acquire HCV, a person’s blood needs to be in contact with HCV-infected blood. This can happen in various ways. Some common ways are from blood transfusions before 1992 and sharing needles or other injection drug utensils. Tattooing is a possible route of infection if contaminated needles or ink were used. Those who have had a needle-stick injury or mucosal exposure (contact with the mucous membranes of the mouth, vagina, urethra, or rectum) to HCV-positive blood have an occupational risk. There is low risk of acquiring HCV sexually. There are other ways to acquire HCV and it is important to obtain more information about this. It is normal to wonder how you got hepatitis C. However, it can be unhealthy to obsess about this. Try to focus on what you can do for yourself now, rather than on the past.

The rate of infection due to sexual transmission is believed to be quite low in the general population. Presumably, this rate applies to older adults. The risk appears to increase for gay and bisexual men. The same is true for men and women living with HIV. The risk may be higher in the presence of blood, such as during a woman’s menstrual cycle or if there are open sores on one or more of the partners. Sexual transmission rates increase with multiple sexual partners.

PROTECTING OTHERS

The Centers for Disease Control (CDC) does not recommend any changes in sexual practices between monogamous, long-term partners. Current recommendations are that people in stable monogamous relationships do not need to change their sexual practices. Safer sex is recommended for those engaged in sex with multiple partners. Any partner who wants to practice safer sex for whatever reason is encouraged to do so.

For more information about mental health

- National Institute of Mental Health  
  (866) 615-6464  
  www.nimh.nih.gov

- National Alliance for the Mentally Ill (NAMI)  
  (800) 950-NAMI (6264)  
  www.nami.org

- National Suicide Prevention Lifeline  
  (800) SUICIDE or (800) 784-2433

- National Mental Health Information Center  
  (800) 789-2647  
  www.samhsa.gov

IMPORTANT NOTE

If you have thoughts of suicide or hurting yourself or others, seek immediate professional help.
Sharing personal items may be a small risk, but it is better to be safe. To protect others, do not share razors, toothbrushes and other tools that may have your blood on them. Always cover any bleeding wounds or sores. If someone helps you with shaving or any grooming where blood might be present, precautions should be followed to reduce risk of exposure. HCV is not transmitted by hugging, kissing, sneezing, coughing, sharing eating utensils or glasses, or by casual contact.

COGNITIVE ISSUES
Patients with chronic hepatitis C report mental or cognitive impairment. Patients refer to this as “brain fog.” This can be especially disconcerting for older adults since Alzheimer’s is a common threat for aging.

There are many factors that can affect mental sharpness, including stress, depression, and fatigue. If you are experiencing “brain fog,” try to analyze your situation. Are you experiencing stress? Do you have insomnia or other sleep issues? Are you depressed? Do you have any other medical problems or take medications that could cause cognitive impairment? If you answer “no” and your physician has ruled out other causes of impaired cognition, here are some tools to try:

• Be organized; keep lists
• Always put your keys and eyeglasses in the same place
• Challenge your brain; for example, do arithmetic in your head or on paper rather than using a calculator
• Play games, such as crossword puzzles and other word games
• Keep learning
• Learn to laugh at yourself

SEXUALITY
Healthy sexuality can be impaired by many factors. How you feel, both emotionally and physically, may influence how you feel sexually. Older adults with HCV may find multiple barriers to sexual expression. Pain, fatigue, illness, medications, and fear of transmitting HCV to a partner can present obstacles.

Vaginal dryness can be a problem for post-menopausal women. HCV treatment can contribute to vaginal dryness. This may lead to uncomfortable intercourse. Lubricants may provide relief. If you rely on condoms for protection, never use an oil-based product, such as Vaseline. Oil-based products can break down condoms.

Some patients remark that they have a decreased libido (desire for sex). Patients who are taking certain antidepressants are especially prone to sexual difficulties. Some people have problems with orgasm and arousal. Talk to your medical provider about any sexual concerns. Sometimes there are solutions for these problems.

Pregnancy is not a common issue for adults over 65. However, when HCV treatment is involved, those who have younger fertile partners need to be aware of the “black box warning” if ribavirin is part of the treatment. This warning states that two forms of reliable birth control need to be used between couples during and including six months after HCV treatment. For example, a 65-year-old man undergoing HCV treatment must take precautions if his younger partner is at risk for pregnancy.

If you want information about how to practice and enjoy safer sex, talk to your doctor or nurse.

For more on “brain fog,” check out the HCSP Factsheet HCV Wellness: Brain Fog at www.hcvadvocate.org/hepatitis/factsheets_pdf/Brain%20Fog.pdf

Additional resources can be found at:
• About.com - http://aids.about.com/od/safersex
• Planned Parenthood - http://www.plannedparenthood.org/
PHYSICAL HEALTH
Naturally, it is important to take care of your liver and to learn how to manage the symptoms of HCV. However, health is a package deal, and taking care of your whole body just makes sense. The leading causes of deaths in the U.S. are from tobacco, alcohol, obesity, and other lifestyle factors. The number of preventable deaths from other causes is overwhelming compared to HCV-related deaths. For instance, more than 700,000 people in the U.S. die annually from heart disease compared to 19,000 deaths from HCV. Tobacco use contributes to 440,000 deaths a year. The bottom line: you can optimize your chances of living well and living longer if you take preventive health measures.

NUTRITION
Try to follow a balanced diet and maintain a healthy weight. Obesity can have a negative impact on the liver, heart and overall health. People living with chronic HCV may have additional reasons to be concerned about body weight. Research shows that obesity is a risk factor for cirrhosis-related death and may increase the risk for fibrosis.

Unless your doctor has advised you otherwise, a basic healthy heart diet is a good choice for individuals with chronic hepatitis C.

PHYSICAL FITNESS
One of the essential ingredients for good health is regular exercise. Exercise is known to have a positive effect on a number of medical problems including arthritis, osteoporosis (bone loss), back pain, diabetes, depression, and cardiovascular disease. Certain fitness programs can improve flexibility, balance, tone, strength, and stamina. Being physically active may improve sleep, reduce stress, and enhance the immune system. Exercise also reduces food cravings, burns calories, and can improve your energy level.

Gardening, walking, hiking, dancing and swimming are some common recreational activities. Physical fitness is more likely to be successful if it can be done anywhere, not be dependent on the weather, and fits any budget.

Be sensible about exercise. First, discuss any physical fitness plan with your doctor. Start a new exercise program gradually. Remember to drink water, apply sunscreen, and avoid injuries. Pain is not gain. However, sore muscles may occur. Heat, cold packs, and stretching may be beneficial. Consult your doctor should you have any injuries, and do not exercise if you are feeling ill.

SLEEP
Sleep is an important aspect of health. The function of sleep is to restore your mind and body. Insufficient sleep can negatively influence daily performance and immune function, and has been linked to traffic accidents. Inadequate or poor quality sleep can lead to daytime tiredness.

The National Sleep Foundation states that the average adult needs 7-9 hours of sleep per night. Older adults tend to have more sleep problems. These may be due to medical, psychological or environmental conditions rather than from the actual aging process. If sleep or daytime fatigue are problems, talk to your doctor. Do not use over-the-counter medications or other people’s sleeping pills without a doctor’s order.

For more information:
• The National Sleep Foundation
  www.sleepfoundation.org

MEDICATIONS AND SUPPLEMENTS
Everything passes through the liver – what you eat, drink, inhale, and apply to your skin. Do not take St. John’s wort if you are taking HCV or HIV protease inhibitors. Talk to your doctor or nurse about any drugs you are taking including herbs, vitamins, supplements and drugs bought in a store. Do not use other people’s pills without a doctor’s order. Older adults sometimes develop vitamin deficiencies, particularly vitamin B-12 and D. Ask your doctor if you need to supplement your diet with vitamins.

SUBSTANCE USE
Some older adults have problems with substance use and abuse. Alcohol consumption can accelerate liver disease progression. Heavy drinking is associated with cirrhosis of the liver. It is not yet known whether light or moderate alcohol consumption is harmful to the liver, but most experts recommend that people with HCV
should avoid alcohol. People with HCV should also avoid recreational drugs and smoking cigarettes. If you have difficulty abstaining from alcohol, drugs, or tobacco, talk to your doctor or consult one of the following resources:

Resources for drug and alcohol abuse:
- Alcoholic Anonymous (AA)
  www.aa.org
  To find an AA group near you, look for "Alcoholics Anonymous" in any telephone directory or contact AA World Service (212) 870-3400
- Centers for Disease Control and Prevention
  www.cdc.gov/tobacco/how2quit.htm
  (800) QUIT-NOW or (800) 784-8669
- Narcotics Anonymous (NA)
  www.na.org
  To find an NA group near you, look in your local telephone directory or contact NA World Services (818) 773-9999
- Substance Abuse and Mental Health Services Administration
  (877) SAMHSA-7 or (877) 726-4727
  www.samhsa.gov

MANAGING HCV TREATMENT SIDE EFFECTS

Although there is no good research on the subject, older adults tend to have similar side effects as younger adults do. Side effects can be managed, so it is important to report these to your doctor. Early intervention is usually more successful than waiting until the side effects are severe. Your doctor may recommend medication for your side effects. Some medications work differently in older adults. Make sure your doctor has experience working with older adults.

For more information on HCV side effect management, see:

MEDICARE AND HEALTH INSURANCE

If your doctor has recommended HCV treatment, it is important to know what your prescription coverage is before you start treatment. HCV treatment is very expensive. Add the cost of medical visits, lab tests, and medications for side effects and this number can be staggering. If your insurance has a 30% co-pay, your out-of-pocket costs for just the treatment drugs may be unaffordable.

The Medicare Prescription Drug Plan began coverage in 2006. There are different plans in each of the states. Some states have more than 50 plans from which to choose. Selecting a plan is not an easy task. To choose, be sure your medications are covered by the plan’s formulary. Find out what your total cost will be for those medications on the plan that you are considering. The cost of HCV medication may be several thousand dollars plus the cost of monthly premiums.

HCV TREATMENT

The current treatment for HCV is a regimen of two or more drugs with and without ribavirin. These combinations may have side effects, can be difficult to endure and carry some risks. Combine the treatment side effects with the list of changes that occur during aging and the overall picture becomes more complicated.

Studies suggest that life expectancy is increased in chronic hepatitis C patients undergoing therapy by preventing liver-related deaths.

Regardless of age, treatment decisions are always between the medical team and the patient. These decisions are individualized and based on multiple factors. The impact of age is a component of the decision-making process.
You may qualify for assistance to help pay for your prescriptions. Some states and local organizations offer assistance. Medicare and the National Council on Aging are excellent resources for finding assistance.

Medicare & National Council resources:
- Medicare
  Centers for Medicare & Medicaid Services at
  (800) MEDICARE (800) 633-4227
  www.medicare.gov/Default.aspx
- National Council on Aging Benefits Check-Up
  www.benefitscheckup.org
- Pharmaceutical Companies:
  Pharmaceutical companies also offer services and in certain cases, free drugs for those who qualify. (See Resources section for pharmaceutical company information) To find out more about general patient assistance programs contact the Partnership for Prescription Assistance at (888) 477-2669 or
  www.pparx.org/Intro.php, and
  NeedyMeds.org, www.needymeds.org

LIFE AND DEATH
The majority of people who have HCV will die with it and NOT of it. However, if you are an older adult with advanced liver disease, death from HCV is a likely possibility. Ask your doctor to be specific about your future. If your HCV has progressed, ask your doctor how much longer you are expected to live.

Whether death is imminent or likely to be a long way off, it is a good idea to do advance health care planning. These are usually called advance directives. Doing this makes the dying process easier for our loved ones. The laws governing advance directives differ from state to state.

For more information:
- U.S. Living Will Registry
  (800) LIV-WILL (800) 548-9455
  www.uslivingwillregistry.com
- Aging with Dignity – www.agingwithdignity.org
  (888) 5-WISHES/(888) 594-7437
  For a small fee, you can purchase a popular form called “Five Wishes”

For more on life and death see:
Final Steps with HCV:
An HCSP Guide on Death and Dying

COMPLEMENTARY AND ALTERNATIVE MEDICINE
No herbs, supplements, or alternative treatments have been proven to treat HCV effectively. Some herbs can be harmful and even lethal. Do not take St. John’s wort if you are taking HCV or HIV protease inhibitors. Some people have experienced health improvement from acupressure, acupuncture, meditation, Tai Chi, Yoga and other complementary health practices.

See the Fact Sheet page and the Herbal Glossary at
www.hcvadvocate.org for more information about Complementary and Alternative Medicine

HEALTHY AGING WITH HCV
The recommendations for a healthy lifestyle apply to both aging and HCV. Here are some suggestions for maintaining a healthy liver and body:
- Cultivate a positive attitude
- See your doctor for regular check-ups
- Get protection from the flu, pneumonia, shingles and hepatitis A and B. Talk to your doctor or nurse about immunization for these conditions
- Be careful about mixing any drugs, especially with alcohol
- Stay away from raw or undercooked shellfish
- Talk to your doctor or nurse about whether you need to be treated for hepatitis C
- Keep physically fit. Ask your doctor about an exercise program that is right for you
- Maintain a healthy diet. Eat a low fat, low cholesterol, low sodium high-fiber diet with lots of fruits and vegetables. Try to lose weight sensibly if it’s advised
• Aim for 7 to 9 hours of sleep every night
• Learn to manage stress
• Drink generous amounts of water – 6 to 8 glasses a day
• Seek support. Join a support group. Maintain friendships and social contacts
• Engage in activities that actively stimulate your brain
• Maintain a sense of humor

For more information about HCV, visit www.hcvadvocate.org

“The more sand has escaped from the hourglass of our life, the clearer we should see through it. 🕊️”

—Jean Paul
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