What Case Managers Need to Know About Hepatitis C

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Dana Jackson, RN, BSN – Viral Hepatitis Prevention Coordinator
Tennessee Department of Health
Case Manager Conference - September 15, 2014
Hepatitis 101
What do you know?

• Where is your liver located?
What do you know?

- What are some of the functions performed by the liver?
Functions of the Liver

• Filter and Warehouse
• Breaks down food, chemicals, medications and drugs
• Converts nutrients into energy
• Regulates fat storage
• Helps manage levels of certain substances in the body
• Regulates blood-clotting factors
What do you know?

- What is hepatitis?
- What causes hepatitis?
What is Hepatitis?

• General term originating from the Greek
  • “Hepa-” – means “liver”
  • “-itis” – means “inflammation”

• Caused by:
  • Alcohol
  • Drugs / medications
  • Toxins / chemicals
  • Autoimmune diseases
  • Bacteria
  • Viral infections (hepatitis A, B, C, D, and E)
# Viral Causes of Hepatitis

## The ABCs of Hepatitis

<table>
<thead>
<tr>
<th>Hepatitis A is caused by the Hepatitis A virus (HAV)</th>
<th>Hepatitis B is caused by the Hepatitis B virus (HBV)</th>
<th>Hepatitis C is caused by the Hepatitis C virus (HCV)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>U.S. Statistics</strong></td>
<td>• Estimated 17,000 new infections in 2010</td>
<td>• Estimated 38,000 new infections in 2010</td>
</tr>
<tr>
<td>Routes of Transmission</td>
<td>• Estimated 1.2 million people with chronic HBV infection</td>
<td>• Estimated 1.2 million people with chronic HBV infection</td>
</tr>
<tr>
<td>Ingestion of fecal matter, even in microscopic amounts, from:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Close person-to-person contact with an infected person</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Sexual contact with an infected person</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Ingestion of contaminated food or drinks</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Persons at Risk</td>
<td>• Travelers to regions with intermediate or high rates of Hepatitis A</td>
<td>• Infants born to infected mothers</td>
</tr>
<tr>
<td></td>
<td>• Sex partners of infected persons</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Persons with multiple sex partners</td>
<td></td>
</tr>
</tbody>
</table>
Hepatitis C – What is it?

- Hepatitis C Virus, or HCV
  - RNA virus; very, very small in size

- Spread through:
  - Contact with blood from infected person

- 2 stages of disease:
  - Acute stage: infection lasting < 6 months
  - Chronic stage: infection lasting > 6 months

- Likelihood of newly infected developing chronic infection
  - 15-25% clear virus on their own
  - 75-85% develop chronic infection

- NO VACCINE FOR HCV!
  - Recommended to get hepatitis A and B vaccines
Hepatitis C – What is it?

- 20-30% of newly infected persons develop symptoms of acute infection
  - *IMPORTANT: THE MAJORITY DON’T HAVE SYMPTOMS* → DON’T KNOW THEY ARE INFECTED

- **IF PRESENT**, symptoms may include:
  - Fever, fatigue, loss of appetite, nausea / vomiting, abdominal pain, gray stool, joint pain, jaundice

- Symptoms similar to other diseases: flu, hep A, hep B

- The best way to determine if someone is infected:
  - Screening for risk factors
  - Blood tests
Hepatitis C – Who’s at Risk?

• Drug use
  • Those at highest risk: people who inject drugs (PWID)
    • *EVEN IF* injected once many years ago
    • Account for >65% of all new infections
    • Within 5 years of 1\textsuperscript{st} injecting: up to 90% infected
  • Mode of transmission: sharing of needles, syringes, cookers, cotton, water
Hepatitis C – Who’s at Risk?

- Drug use (cont.)
  - Intranasal drug use
    - Blood and HCV RNA found in nasal secretions
    - Transmission through sharing of straws
  - Crack cocaine use
    - Dry cracked lips and mouth can result in bleeding
    - Transmission by sharing crack pipes
Hepatitis C – Who’s at Risk?

• Tattooing
  • **Those at highest risk:** tattooing in non-licensed settings (e.g., tattooing in street settings or in correctional setting)

• **Mode of transmission:**
  • Sharing of needles or ink vats
  • Use of homemade equipment

• **Note:** low risk of transmission in licensed settings where infection control practices are followed
Hepatitis C – Who’s at Risk?

• Household Contacts
  • Casual contact does not transmit HCV!
    • Kissing, hugging, sharing food, etc.
  • Transmission may occur by sharing items contaminated with blood, such as:
    • Razors, toothbrushes, clippers
Hepatitis C – Who’s at Risk?

- Sexual contact
  - Transmission possible, but not the most efficient route
    - Accounts for 10-18% of cases
  - Increased risk with:
    - Sex involving tearing and blood contact
    - Multiple partners
    - Active STDs
Hepatitis C – Prevalence

• How many people are infected?
  • 3% people worldwide (150-200 million)
  • 1.6% of the US population (4-5 million people)
  • >3.2 million people are chronically infected
    • Most don’t know their infection status
  • True prevalence (US) significantly underestimated
    • Those not included in survey: incarcerated, homeless
    • May be as high as 5 million people

• Leading cause of liver transplant
• Leading cause of viral-related deaths
  • Causes more deaths than HIV
Trend of Acute Hepatitis C Cases in Tennessee, 2007-2013

Incidence rate per 100,000 population

Year
- 2007
- 2008
- 2009
- 2010
- 2011
- 2012
- 2013

Number of cases
- 2007: 38
- 2008: 33
- 2009: 35
- 2010: 51
- 2011: 93
- 2012: 129
- 2013: 100

Graph showing an increase in incidence rate per 100,000 population from 0.6 in 2007 to 1.9 in 2012, followed by a decrease to 1.6 in 2013.
Incidence Rates of Acute Hepatitis C, 2012

Acute HCV Incidence/100,000 Population

- 0.0 - 0.6
- 0.7 - 2.0
- 2.1 - 5.0
- 5.1 - 10.0
- 10.1 - 15.0
- 15.1 - 40.0
- No Reported Cases
Most Frequently Reported Risk Factors Among Acute Hepatitis C Cases in Tennessee, 2010-2013

<table>
<thead>
<tr>
<th></th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tattooed</td>
<td>37%</td>
<td>27%</td>
<td>14%</td>
<td>18%</td>
</tr>
<tr>
<td>Male</td>
<td>62%</td>
<td>51%</td>
<td>59%</td>
<td>62%</td>
</tr>
<tr>
<td>Street drug injection</td>
<td>28%</td>
<td>39%</td>
<td>29%</td>
<td>27%</td>
</tr>
<tr>
<td>Street drug use</td>
<td>20%</td>
<td>46%</td>
<td>35%</td>
<td>32%</td>
</tr>
<tr>
<td>Incarceration</td>
<td>26%</td>
<td>25%</td>
<td>19%</td>
<td>17%</td>
</tr>
<tr>
<td>&gt;2 female sex partner</td>
<td>13%</td>
<td>11%</td>
<td>11%</td>
<td>11%</td>
</tr>
<tr>
<td>&gt;2 male sex partner</td>
<td>7%</td>
<td>17%</td>
<td>9%</td>
<td>10%</td>
</tr>
<tr>
<td>Treated for STD</td>
<td>7%</td>
<td>8%</td>
<td>13%</td>
<td>4%</td>
</tr>
</tbody>
</table>
Preparing HCV-Positive Inmates for Release
What do you know?

- As you think about preparing inmates for their release from prison, what steps do you think need to be taken to address their HCV infection once they are out in the community?
Medical Care is One of Many Issues

How are these prioritized?
Disease Progression

• Out of 100 people infected with HCV:
  • The majority (75-85) develop chronic infection
  • 60-70 eventually develop chronic liver disease
  • Few (5-20) develop cirrhosis
  • Even fewer (1-5) die from cirrhosis or liver cancer

• May take >30 years to progress to severe liver disease
  • Comorbidities affecting liver can accelerate progression
  • Examples: HCV / HIV co-infection, hep A or hep B infection, alcohol or drug use

www.cdc.gov/hepatitis/HCV/PDFs/HepCGeneralFactSheet.pdf
Disease Progression (cont.)

- HCV treatment
  - For most people, HCV treatment is not urgent
  - Some will never need to be treated for HCV

- See healthcare provider regularly to monitor general health needs
  - Referral to specialist for HCV treatment when appropriate

- Additional information –
  - HCV Advocate – A Guide to Making Treatment Decisions for Hepatitis C
  - HCV Advocate – Living with Hepatitis
Important to Remember

• Receiving a diagnosis of HCV is...
  • ...often associated with a lot of health problems
  • ...often thought of as a death sentence

• Stigma associated with HCV –
  • Often resulting from incorrect information about HCV
  • Assumptions about how someone got infected
  • Assumptions about behaviors or lifestyle
  • Seen as “sick”
  • Impacts relations, employment, etc.

• Additional information –
  • HCV Advocate – A Guide to Stigma and Hepatitis C
Inmate Education

• Provide inmates with –
  • Accurate information about HCV
  • How to care for themselves and protect loved ones

• Verity of materials available:
  • Booklets, fact sheets, videos, training materials, other resources

• Organizations:
Prevention Messaging

• Avoid drug use
  • If continue to use, don’t share equipment
    (e.g., needles, syringes, cookers, cottons, water, straws, crack pipes)

• Avoid ETOH use
  • If continue to use, reduce intake

• Avoid sharing personal items
  • Toothbrush, razors, clippers

• Avoid getting tattoos in non-licensed settings
  • Jail, prison, at home

• Practice safer sex
Taking Care of the Liver

- Healthy diet and lots of fluids (water)
- Exercise and reduce stress
- Get vaccinated for hepatitis A and B, if not already
- Consult with healthcare provider regarding:
  - Complementary & alternative therapies
  - Taking of over-the-counter medications
  - Taking iron supplements
Taking Care of the Liver

• Avoid the following:
  • high doses of vitamins A, D, E and K
  • exposure to pollutants and chemicals
  • skin contact with and breathing in fumes of certain chemicals (e.g. cleaning products, paint thinners)
Addressing General Health

• Medical home for –
  • Regular checkups to monitor general health
  • Management of chronic diseases
    • E.g., diabetes, cardiovascular disease
    • Make referrals to specialized care
    • Management of hepatitis C treatment

• For uninsured or underinsured –
  • E.g., federally qualified health centers (FQHC)

• Additional information –
  • TN Department of Health Hepatitis Webpage
    http://health.tn.gov/hepatitis/Topic_Pages/TNresources.shtml
Insurance Coverage

• Thinking about enrollment prior to release:
  • Medicaid
  • Social Security / Disability
  • Health Exchanges / ACA

• Patient assistance programs
  • Medications, vaccines
  • Limited programs to cover other expenses (e.g., copay, labs)

• Additional information –
  • TN Department of Health Hepatitis Webpage
Support System

• Will need a support system to –
  • Prevent relapse, overdose, incarceration
  • Cope with HCV diagnosis
  • Cope with HCV treatment, if/when indicated

• Sources of support –
  • Family / Friends
  • Support Groups

• Additional information –
  • Help – 4 – Hep
  • TN Department of Health Hepatitis Webpage
Addressing Substance Abuse

• Reduce or stop alcohol intake – even small amounts of alcohol can increase hepatitis-related liver damage!
• Reduce or stop drug use
• If needed – referring to treatment
• Additional information –
  • TN Department of Health Hepatitis Webpage
Addressing Mental Health

- Assess for underlying mental health needs
  - Depression, others
- If needed – referring to treatment
- Additional information –
  - TN Department of Health Hepatitis Webpage
    
Other Re-Entry Needs

- Transportation
- Transitional housing
- Vocational training / placement
- Other needs
- Additional information –
  - Chamber of Commerce (state, county)
  - TN Statewide 2-1-1 Resource Network
  - Help-4-Hep
  - TN Department of Health Hepatitis Webpage
Questions?
Acknowledgements

• Dr. Cody Chastain, MD
  • Viral Hepatitis Program, Vanderbilt University Medical Center

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  • Correctional Health Programs Manager, Hepatitis Education Project

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  • Director, Healthcare Associate Infections and Antibiotic Resistance Programs, Tennessee Department of Health

• Shannon Mason, MPH
  • Technical Assistance (TA) Coordinator, National Viral Hepatitis TA Center, NY State Department of Health

• Ann Shindo, PhD
  • Communicable and Chronic Disease Intervention Coordinator, Oregon Department of Corrections
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   Phone: 615-253-1361

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   Phone: 615-532-6401

Daniel Muleta, MD, MPH – Hepatitis Surveillance, HAI Program
   E-mail: daniel.muleta@tn.gov
   Phone: 615-532-6633
Additional Information
Tennessee Department of Health: Hepatitis Prevention Program

http://health.tn.gov/hepatitis
# TN Department of Health

## Reporting Requirements in Tennessee

### Case Definitions

- Hepatitis A
- Hepatitis B – Acute
- Hepatitis B – Perinatal Infection
- Hepatitis C – Acute

### Reporting Requirements

- Reporting requirements to the Tennessee Department of Health:
  - Hepatitis B, acute
  - Hepatitis C, acute
- Related documents:
  - Reportable Diseases
  - Reportable Disease Matrix
  - Reportable Disease List

TN Department of Health

Support Groups

Find a Support Group

- Alcoholics Anonymous (AA)
  - How to find A.A. Meetings
  - Online Support

- American Liver Foundation Mid-South
  - Resources in Our Area
    - Note: Click on tab labeled “Support Groups”
  - Support Services

- HCV Advocate
  - find a support group in your area

- Hepatitis B Foundation
  - Support Groups

- Hepatitis Forum

- Hepatitis Neighborhood

- SupportGroups.com
  - Support Groups
    - Note: This is a complete list of all support groups. Scroll down to find the support group of interest (e.g., Hepatitis C)

- Narcotics Anonymous (NA)

TN Department of Health

Tennessee Specific Resources

Locating Resources

- Department of Human Services (DHS)
  - Programs and Services
  - Services for Adults
  - Services for Families
  - Office Locator

- Family Assistance Service Center
- Federally Funded Health Centers
- Find Healthcare Facilities
- Frontier Health
  - Mental Health
  - Drug and Alcohol Addiction / Co-Occurring
  - Other Services

- Health Assist Tennessee
  - About Us – Our Services
  - Need Help? Uninsured?
  - Links and Resources
  - Flyer

- Local Health Departments
- Project Access

http://health.tn.gov/hepatitis/Topic_Pages/TNresources.shtml
Addictions/Substance Abuse

- Addiction Technology Transfer Center Network (ATTC)
  - Find an ATTC Regional Center
  - Southeast ATTC

- Alcoholics Anonymous (AA)
  - Local Offices - Tennessee

- American Association for the Treatment of Opioid Dependence (AATOD)
  - Projects/Educational Training
    - Hepatitis C
  - Resources

- American Society of Addiction Medicine (ASAM)

- CAP Quality Care

- Caring Ambassadors Program (CAP)
  - Hepatitis C Program
  - Harm Reduction Resources

- Harm Reduction Journal

- Narcotics Anonymous (NA)

- The National Alliance of Advocates for Buprenorphine Treatment (NAABT)

- National Association Drug Diversion Investigators (NADDI)

TN Department of Health

Mental Health

- Centerstone
  - Get Help Now
  - Tennessee Services
- National Suicide Prevention Lifeline
  - Crisis Center Locator

TN Department of Health

Tattooing

- Alliance of Professional Tattooists
- Be Smart with Body Art
- CDC
  - Body Art
- FDA
  - Think Before You Ink: Are Tattoos Safe?
    - Web Version
    - PDF Version
- HBV Advocate
  - Easy B Facts: Hepatitis B and Tattoos
  - Hepatitis B Basics: HBV and Tattoos Factsheet
- HCV Advocate
  - Hepatitis C Basics: HCV and Tattoos Factsheet
- HBV Advocate / HCV Advocate
  - Hepatitis and Tattoos
    - Fact Sheet #1: What is a Tattoo?
    - Fact Sheet #2: Tattoo Aftercare
    - Fact Sheet #3: What is Flash?
    - Fact Sheet #4: Temporary Tattoos
    - Fact Sheet #5: Tattoo Inks
    - Tattoo Postcard
    - Tattoo You

TN Primary Care Association

Member Health Centers List

The Tennessee Primary Care Association works with a variety of Community Health Centers across the state who serve the uninsured, underinsured, and those with private insurance. Below is a list of organizations who can offer you a Health Care Home.

<table>
<thead>
<tr>
<th>Organization</th>
<th>Address</th>
<th>Phone</th>
<th>Website Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEROKEE HEALTH SYSTEMS</td>
<td>2018 Western Ave</td>
<td>615-934-6734</td>
<td><a href="http://www.cherokeehealth.com/">www.cherokeehealth.com/</a></td>
</tr>
<tr>
<td>Dennis Freeman, Ph.D., CEO</td>
<td>Knoxville, TN 37921</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHOTA COMMUNITY HEALTH SERVICES</td>
<td>1206 Highway 411</td>
<td>423-884-7271</td>
<td><a href="http://www.chotahealth.com/">www.chotahealth.com/</a></td>
</tr>
<tr>
<td>Laura Harris, CEO</td>
<td>Vonore, TN 37885</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHRIST COMMUNITY HEALTH SERVICES</td>
<td>2595 Central Ave</td>
<td>901-260-8500</td>
<td><a href="http://www.christcommunityhealth.org">www.christcommunityhealth.org</a></td>
</tr>
<tr>
<td>Ed Roberson, Interim Chief Executive Officer</td>
<td>Memphis, TN 38104</td>
<td></td>
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</tr>
</tbody>
</table>
Centers for Disease Control and Prevention (CDC)

Viral Hepatitis

"Hepatitis" means inflammation of the liver and also refers to a group of viral infections that affect the liver. The most common types are Hepatitis A, Hepatitis B, and Hepatitis C.

Viral hepatitis is the leading cause of liver cancer and the most common reason for liver transplantation. An estimated 4.4 million Americans are living with chronic hepatitis; most do not know they are infected.

For Health Professionals

- Hepatitis A
- Hepatitis B
- Hepatitis C
- Hepatitis D
- Hepatitis E

Statistics & Surveillance

Surveillance summaries, guidelines and forms, disease burden

Resource Center

Professional tools, patient education, observation resources, trainings

Know More Hepatitis

National Hepatitis C Education Campaign

Know More Hepatitis

Hepatitis B Education Campaign for Asian Americans and Pacific Islanders

For the Public

- What is Hepatitis?
  - Hepatitis A
  - Hepatitis B
  - Hepatitis C
  - Hepatitis D
  - Hepatitis E

State and Local Partners

Quick Links

www.cdc.gov/hepatitis/
Centerforce

Programs > Hepatitis C Peer-Based Health Education Program (PHEP)

The Peer Health Education Program (PHEP) is Centerforce’s longest running program.

PHEP currently focuses on the development of educational materials, presentations, trainings, videos and support group guides around peer-based health education models for hepatitis C prevention and management in prison settings.

The peer educators coordinate workshops, provide one-on-one outreach and support, and make presentations in various prison departments and at prison-wide health events on Hepatitis.

PHEP currently operates at three institutions: San Quentin State Prison, the Central California Women’s Facility, and Valley State Prison for Women, reaching more than 5,000 people annually living in these facilities.

The PHEP program was started in 1999 to train peer educators and mobilize them to raise awareness, provide education and serve as resources on a variety of health issues, including HIV/AIDS, Sexually Transmitted Diseases and substance abuse prevention.

Since 2009, PHEP has been funded by the Centers for Disease Control and Prevention, Division of Viral Hepatitis, for the purpose of developing, testing, implementing and sharing hepatitis materials for prison settings.

Click here: To download or view our Hepatitis Peer Health Education Resources (trainings, posters, videos, handouts, Hepardy game, etc)

www.centerforce.org/programs/peer-education/
Welcome to the Hepatitis Education Project

Whether you are a patient, a family member, a friend, a health care/service provider, or just someone who wants to know more about hepatitis or our organization, this site will provide you with information about the work we do and the issues facing hepatitis patients.

Know More Hepatitis Campaign

Hepatitis C: Did You Know?

BORN 1945-1965?
CDC RECOMMENDS YOU GET A BLOOD TEST FOR HEPATITIS C
Welcome to the National Hepatitis Corrections Network

The National Hepatitis Corrections Network (NHCN) is a coalition of medical providers, administrators, researchers, community-based organizations and other public health advocates working together to increase access to hepatitis prevention, testing and treatment in correctional facilities.

We are creating a growing repository of resources for incarcerated hepatitis patients, correctional health care providers, academics and community advocates. Learn more.

Click on the following links to find information.

- Basic Hepatitis C Information
- Hep C in Prisons and Jails
- Resources for Health Professionals

www.hcvinprison.org/
Welcome to HCVadvocate.org

Living Well with Hepatitis C

Important Message

We have revised the fact sheet and guide page and added a new page for all treatment related fact sheets and guides. Click on the **Hepatitis C Treatments** button on the left hand side to access the new page.

http://hcvadvocate.org/
HCV Advocate

Community & Support

Hepatitis C Community and Events

Attending support groups and events can help you and others live your life to the fullest.

In this section, find support groups, events, and clinical trials in your area.

This site includes links to files you can view online or print. To download and print information, you will need the latest version of Adobe Acrobat Reader. Download it free.

Access Hepatitis C community and support information by choosing from the links below:

- Advocacy
- Clinical Trials
- Discrimination in the Workplace
- Donor Registry
- Events
- Personal Stories
- State Hepatitis C Coordinators
- State Hepatitis C Testing Facilities
- Support Groups (USA)

What's New

- Support Groups
  Locate a general support group in your area.

- Events
  Learn about Hepatitis C events in your area.

- Clinical Trials
  Learn the basics of clinical trials in Hepatitis C and find out about clinical trials that you may be eligible for.

http://hcvadvocate.org/community/community.asp
HCV Advocate

Resource Library

Hepatitis C Information & Resources

Our resource library includes information and links designed to help enrich your learning experience.

In this section, get links to hepatitis C information, resources and organizations, and look up medical terms in our medical glossary.

This site includes links to files you can view online or print. To download and print information, you will need the latest version of Adobe Acrobat Reader. Download it free.

Explore Hepatitis C resources by choosing from the links below:
Donor Registry
Educational Materials
Helpful Links
Medical Glossary
National HCV Helpline: 877-HELP-4-HEP (877-435-7443)
Sample Media Kit

What's New

- HCV Patient Pocket Guide
- African Americans and Hepatitis C
- Hepatitis Basics
- HCV Spanish Palm Card
- Easy C - A Guide to HIV and Hep C Coinfection

Medical Writers' Circle

MEDIA KIT
hcsp FACT SHEETS
HERBAL glossary
BOOK Reviews

http://hcvadvocate.org/library/library.asp
HCV Advocate

A publication of the Hepatitis C Support Project

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:
STIGMA & HEPATITIS C

Lucinde K. Porter, RN

Permission to reprint this document is granted and encouraged with credit to the author and the Hepatitis C Support Project.

Help-4-Hep

If you find yourself searching for hepatitis C help, then you’re facing a very serious time in your life.

What you read and hear about hepatitis C can be frightening. Some may tell you that you’ve been served a death sentence, while others assure you that it’s no big deal.

You’re in the right place. Help-4-Hep is a trusted source of information, support and referrals—all free of charge to you.

Let us help you cut through the clutter and confusion. Call toll-free: 877-Help-4-Hep (877-435-7443).

Featured Information:

» Baby Boomers Should Be Tested For Hepatitis C, according to both the CDC and the United States Preventive Services Task Force.

» CDC: Take the 5-minute hepatitis risk assessment to make sure.

http://help4hep.org/
2-1-1 TN Statewide Network

2-1-1 Tennessee Statewide Resource Network

Search for Resources, Find Results
Resources are organizations, companies and other groups that offer services to the community.

HOW TO SEARCH
Use our simple, "natural-language" search field to find results by city, name, services offered and other commonly searched fields. Need more control? Try our Advanced Search which helps target even more relevant results.

Start a Resource Search »
Find the resources you need.

Advanced Search »
Search by keywords, locations and other fields.

Search by Service Topics »
Use our service tree to find resources.

Frequently Asked Questions »
Have a question? Find useful & up-to-date answers here.

http://tn211.mycommunitypt.com/index.php/component/cpx/