

# Hepatitis C

**Deborah Nichols, MPH, MS**  
*Viral Hepatitis/Harm Reduction Program Director*

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**INPEP**  
Indiana Peer Education Program

**Learn to be a Peer Educator!**

With INPEP ECHO, you'll become an expert in diseases like hepatitis C, substance use disorder, HIV, and other STDs. You'll then teach your peers what they can do to be healthy and safe!

- Train with staff from Step-Up, Inc., Fairbanks School of Public Health, and the Indiana State Department of Health
- Facilitate health workshops to educate your peers
- Develop marketable career skills and receive reentry services
- Connect with, and learn from, peer educators at IDOC facilities around the state through monthly videoconferences
- Routinely receive continuing education
- Make a difference in your community

For more information, or to get involved, please speak with your case worker!

**Prison Health is Community Health**



## How do you get it?




SHARING SYRINGES      THROUGH PREGNANCY      NON-STERILE INSTRUMENTS      SEXUAL CONTACT WITH AN INFECTED PERSON


# Blood-to-Blood

INPEP ECHO 

## Hepatitis C is NOT transmitted



BY TOUCHING      THROUGH FOOD      FROM KISSING      BY INSECT BITES      IN THE POOL

INPEP ECHO 

How do you know you have it?

**Get tested!**



ABDOMINAL PAIN



FEVER



DARK URINE



JOINT PAIN



DIARRHEA



FATIGUE  
(EXTREME TIREDNESS)



NAUSEA



VOMITING



JAUNDICE  
(YELLOWING OF  
THE EYES)



PALE STOOLS  
(POOP)



LOSS OF APPETITE

INPEP ECHO



Can it be treated or cured?

**YES!**

YES!

**YES!**

**YES!**

INPEP ECHO



## HCV Treatments





EPCLUSA	HARVONI	SOVALDI & DAKLINZA	SOVALDI & IBAVYR	VIEKIRA PAK	ZEPATIER
Single pill made up of sofosbuvir and velpatasvir	Single pill made up of sofosbuvir and ledipasvir	Sofosbuvir pills and daclatasvir pills	Sofosbuvir pills and velpatasvir pills	Paritaprevir/ombitasvir/itasopronavir pills and dasabuvir pills	Single pill made up of glecaprevir and sofosbuvir
ALL	1	1&3	2	1	1&4
95% of people cured	95% of people cured	95% of people cured	95% of people cured	95% of people cured	95% of people cured
12 WEEKS	8, 12 or 24 WEEKS*	12 or 24 WEEKS*	12 WEEKS	12 or 24 WEEKS*	12 or 16 WEEKS*
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">\$84,000-\$94,500</span> <span style="color: red; font-size: 2em;">★</span> Generics now available for \$24,500					

Glecaprevir and sofosbuvir  
 Mavyret  
 All genotypes  
 8 Weeks  
 \$26,400

<http://www.hepatitiswa.com.au/2017/08/01/new-hep-c-treatments-infographic/>

## What can happen if you don't get it treated or cured?

PROGRESSION OF LIVER DAMAGE

HEALTHY LIVER	FIBROTIC LIVER	CIRRHOTIC LIVER	LIVER CANCER
			
A healthy liver is able to perform its normal functions effectively e.g. aiding digestion and breaking down harmful drugs and poisons.	Continuous inflammation of the liver caused by hepatitis C can lead to fibrosis – the formation of scar tissue within the liver.	Extensive scarring can block the flow of blood through the liver and cause liver function to deteriorate over time. This is called cirrhosis.	Hepatitis C is a leading cause of liver cancer – the formation of a malignant tumour in the liver.

1-5 of every 100 people with HCV will die of cirrhosis or liver cancer

# How can you prevent others from getting it or giving it to others?

**A**bstain

**B**e faithful

**C**hoose Harm Reduction

INPEP ECHO



Lessons in chronic health care learned through Project ECHO at Pendleton prison



I am here to challenge each and every one of you

Be a voice of the people

Make a difference

To pour love out The inside answer to the outside problem

I became empowered Feel part of a community

I am ready for a challenge

Live a disease-free life

I don't want to be shackled to my past anymore

Help someone stand up

We all have a better destiny

This will make a difference We're going to stand up

I am worth something

I am the difference maker

Become part of the solution

Become better as a person Be the change you wish to see in the world

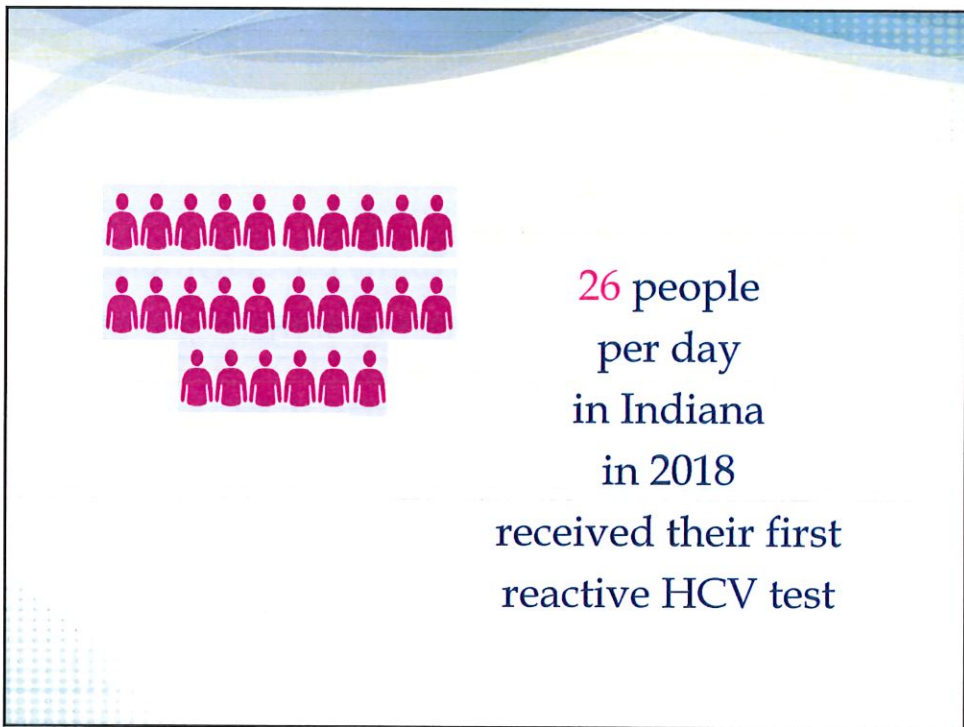
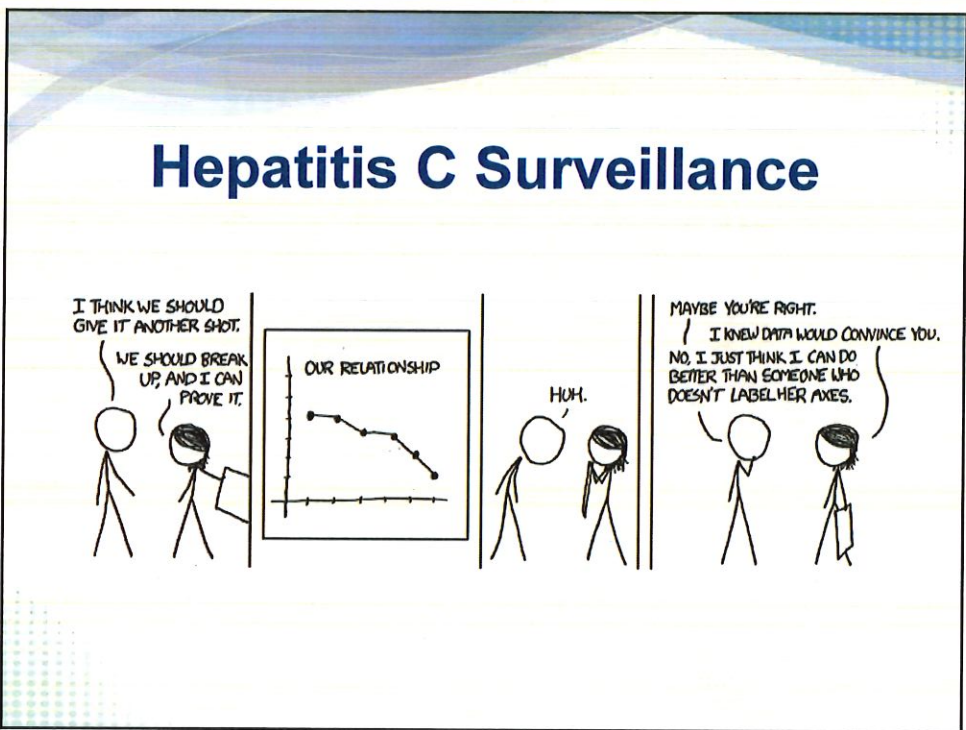
I'm giving back

I want to be a stepping stone for you to get where you are going

When I talk, people listen

Fear is contagious, but so is hope Be of assistance to everybody, including myself

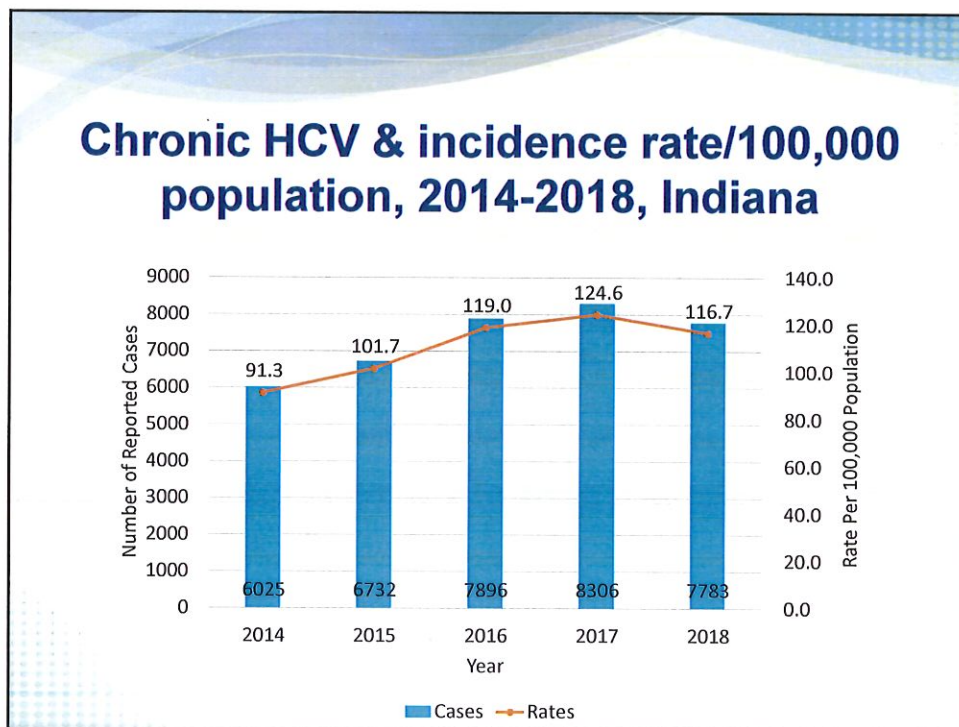
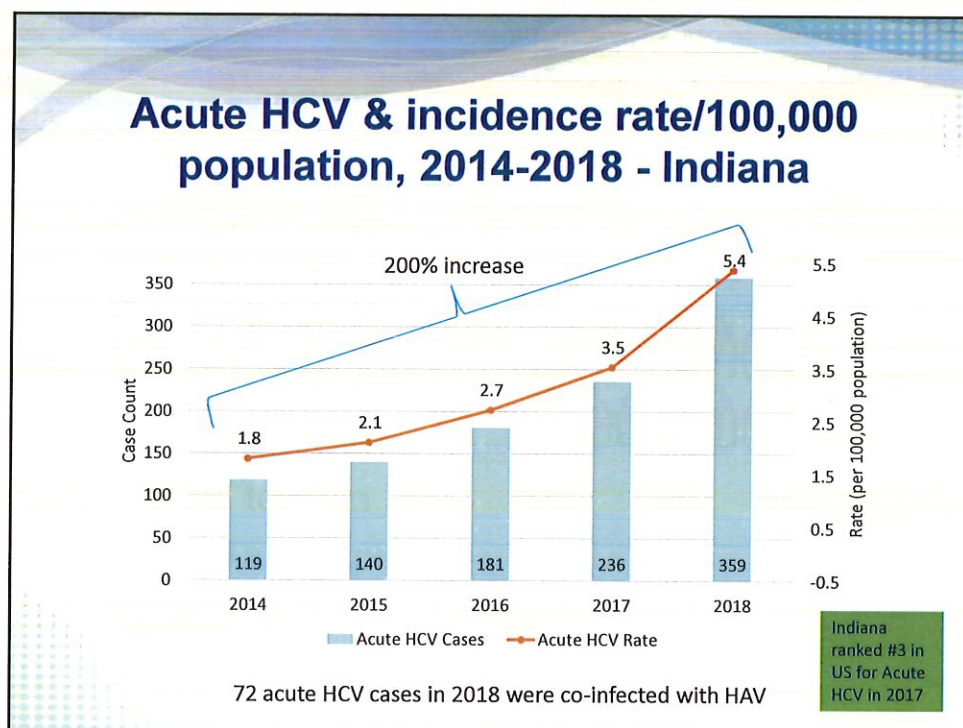






**20** babies  
in Indiana  
in 2018  
had a confirmed  
surveillance  
case of  
hepatitis C

**13%** of all new cases of  
hepatitis C cases in Indiana in  
2018 were identified in  
Department of Corrections



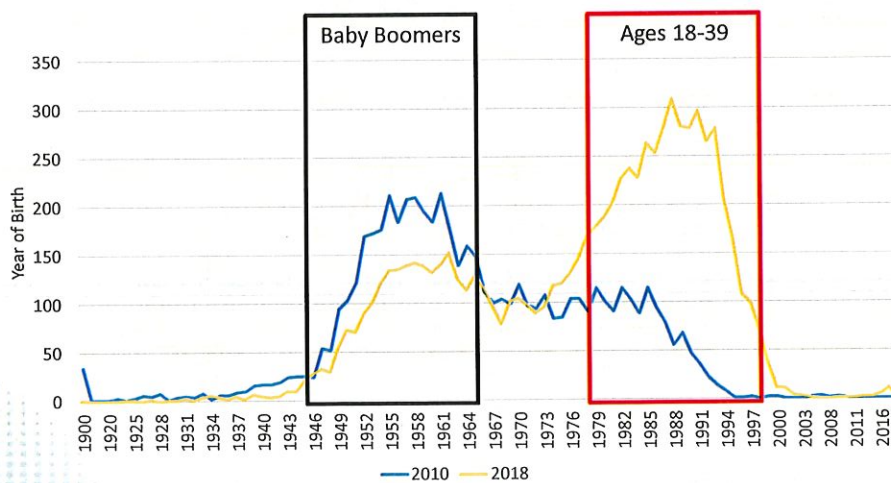


## The Indiana Hepatitis C Iceberg, 2018

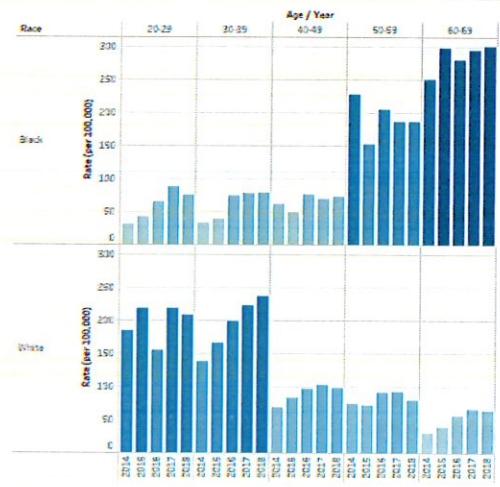


\*Klevens RM, Liu S, Roberts H, Jiles RB, Holmberg SD. Estimating acute viral hepatitis from nationally reported cases. Am J Public Health. 2014;104:482-487.

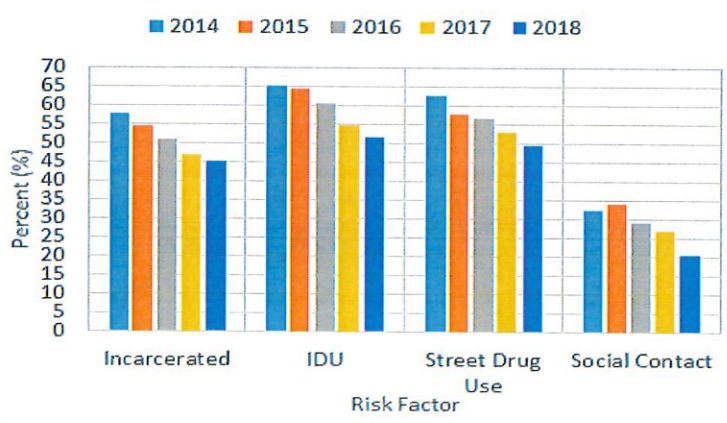
## Combined acute/chronic incident HCV cases by year of birth, diagnosed in 2010 and 2018, Indiana



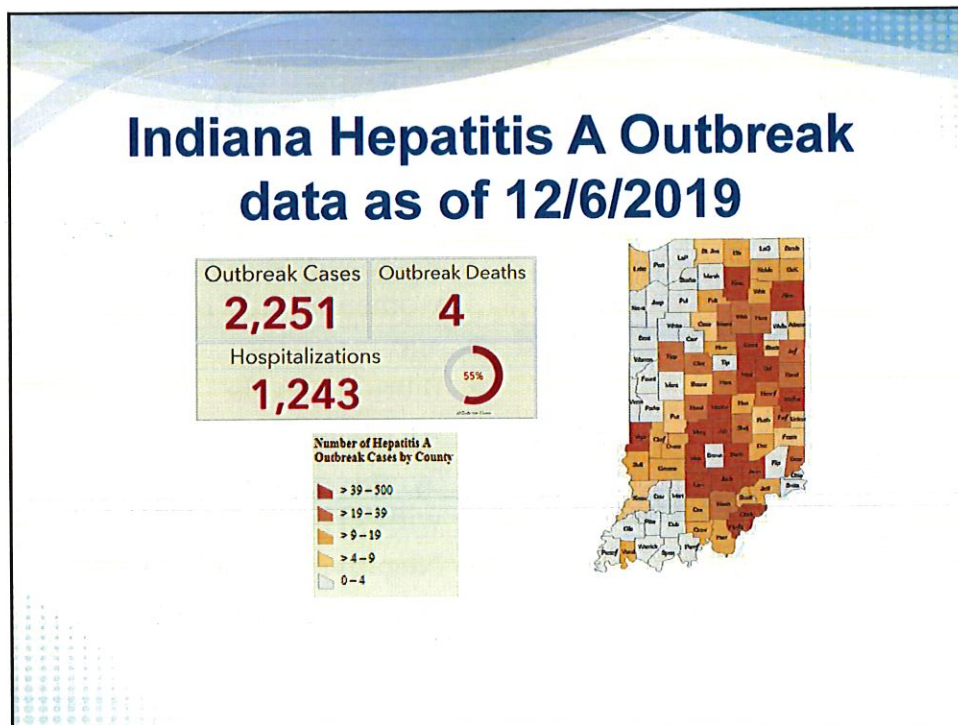
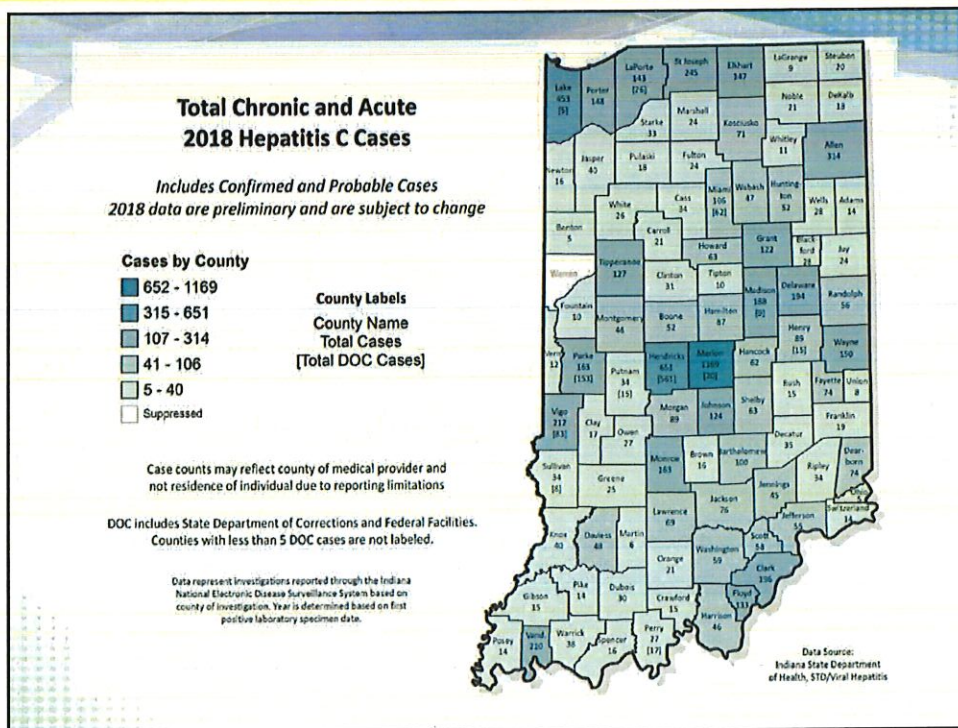
### Acute/chronic hepatitis C rates by race and age group at time of diagnosis, 2014-2018, Indiana



### Top Hepatitis C Risk Factors, by Percent\* – Indiana, 2014-2018



\*Percent denotes those who answered "yes" of those who answered "yes", "no" or "unknown"



**24%** of all hepatitis A  
cases in the outbreak  
have a history of hepatitis C

as of 12/6/2019

## Hepatitis C Lab Reporting

### Required

- All positive screening tests are reportable (antibody including rapid tests)
- All positive confirmatory tests are reportable (RNA, Genotype)



### Desired

- Pregnancy status for women of child bearing age
- Bilirubin levels
- ALT levels
- Symptoms consistent with VH
- Negative antibody results
- Negative RNA results

# 410 IAC 1-2.5-75-76

Report incidences of the following infections, diseases, or conditions to the Local Health Department on Phone Number:

**Reportable Communicable Diseases and Conditions for Health Care Providers, Hospitals, and Medical Laboratories Effective December 28, 2013**

**410 IAC 1-2.5-75-76** - All others report within 72 hours or as noted.

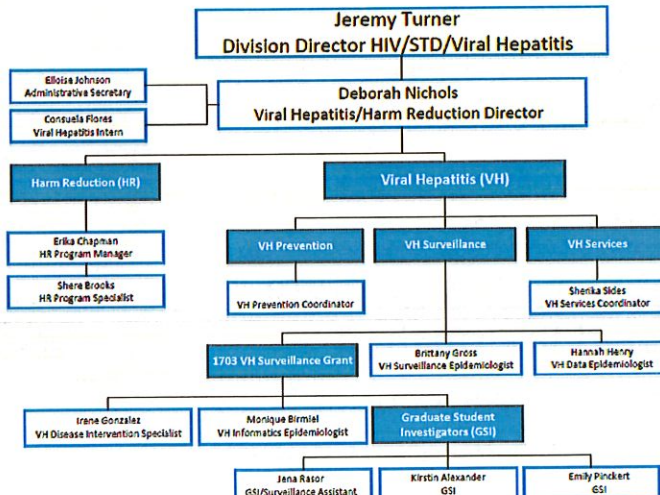
Report immediately on suspicion (†)	Report within 24 hours (*)	All others report within 72 hours or as noted
<ul style="list-style-type: none"> <li>Acquired Immune Deficiency Syndrome (AIDS)</li> <li>Adenovirus</li> <li>Botulism (foodborne, wound, infant)</li> <li>Cholera</li> <li>Cholera toxin (Type I)</li> <li>Cholera toxin (Type II)</li> <li>Cholera toxin (Type III)</li> <li>Cholera toxin (Type IV)</li> <li>Cholera toxin (Type V)</li> <li>Cholera toxin (Type VI)</li> <li>Cholera toxin (Type VII)</li> <li>Cholera toxin (Type VIII)</li> <li>Cholera toxin (Type IX)</li> <li>Cholera toxin (Type X)</li> <li>Cholera toxin (Type XI)</li> <li>Cholera toxin (Type XII)</li> <li>Cholera toxin (Type XIII)</li> <li>Cholera toxin (Type XIV)</li> <li>Cholera toxin (Type XV)</li> <li>Cholera toxin (Type XVI)</li> <li>Cholera toxin (Type XVII)</li> <li>Cholera toxin (Type XVIII)</li> <li>Cholera toxin (Type XIX)</li> <li>Cholera toxin (Type XX)</li> <li>Cholera toxin (Type XXI)</li> <li>Cholera toxin (Type XXII)</li> <li>Cholera toxin (Type XXIII)</li> <li>Cholera toxin (Type XXIV)</li> <li>Cholera toxin 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<li>Botulism (foodborne)</li> <li>Botulism (type I)</li> <li>Botulism (type II)</li> <li>Botulism (type III)</li> <li>Botulism (type IV)</li> <li>Botulism (type V)</li> <li>Botulism (type VI)</li> <li>Botulism (type VII)</li> <li>Botulism (type VIII)</li> <li>Botulism (type IX)</li> <li>Botulism (type X)</li> <li>Botulism (type XI)</li> <li>Botulism (type XII)</li> <li>Botulism (type XIII)</li> <li>Botulism (type XIV)</li> <li>Botulism (type XV)</li> <li>Botulism (type XVI)</li> <li>Botulism (type XVII)</li> <li>Botulism (type XVIII)</li> <li>Botulism (type XIX)</li> <li>Botulism (type XX)</li> <li>Botulism (type XXI)</li> <li>Botulism (type XXII)</li> <li>Botulism (type XXIII)</li> <li>Botulism (type XXIV)</li> <li>Botulism (type XXV)</li> <li>Botulism (type XXVI)</li> <li>Botulism (type XXVII)</li> <li>Botulism (type XXVIII)</li> <li>Botulism (type XXIX)</li> <li>Botulism (type XXX)</li> <li>Botulism (type XXXI)</li> <li>Botulism (type XXXII)</li> <li>Botulism (type XXXIII)</li> 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XLIX)</li> <li>Botulism (type L)</li> </ul>

- ! Hepatitis, viral, Type A
- ! Hepatitis, viral, Type B
- ! Hepatitis, viral, Type B, pregnant woman (acute and chronic) or perinatally exposed infant
- Hepatitis, viral, Type C (acute), within five (5) business days
- Hepatitis, viral, Type Delta
- ! Hepatitis, viral, Type E
- Hepatitis, viral, unspecified

Anti-HAV IgM, HBsAg, HBeAg, or IgM anti-HBc, Genotype, RNA (PCR, NAT), or anti-HCV Delta, Anti-HEV IgM and IgG.

Report immediately on suspicion (†). Report within 24 hours (\*). All others report within 72 hours or as noted.

## Increase in VH Program Staff



## Hepatitis C Treatment

People who inject drugs represent a key population with the potential to sustain the HCV epidemic through continued transmission and thus **SHOULD** be targeted for treatment

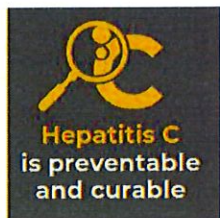
## ... the Future

- PREVENTION: Increase harm reduction services and education
- SURVEILLANCE: Exploring innovative ways to capture case report information
- SERVICES: Treatment of HCV in prisons and the community

**\*July 1, 2019\***

FSSA removes restrictions for Medicaid patients for hepatitis C treatment

## Elimination!



It's possible.

## Thank you

**Deborah Nichols, MPH, MS**

*Viral Hepatitis/Harm Reduction Program Director*

Division of HIV/STD/Viral Hepatitis

[denichols@isdh.in.gov](mailto:denichols@isdh.in.gov)



Indiana State  
Department of Health

