

# Hepatitis C Virus (HCV) Surveillance Data

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Wisconsin Division of Public Health  
Madison, Wisconsin



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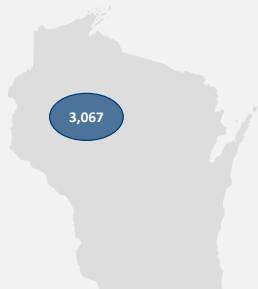
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## New Reports

Acute or chronic cases reported in Wisconsin for the first time in 2017

3,067



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## New Reports

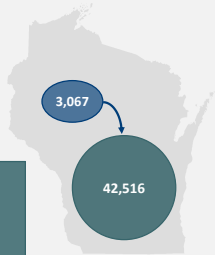
Acute or chronic cases reported in Wisconsin for the first time in 2017

3,067

## Prevalent Cases

- New reports
- Cases already living in Wisconsin
- Deaths excluded

42,516



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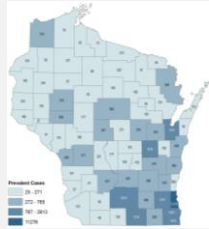
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## People living with HCV infection

- People living with HCV, reported infections: **42,516**
- Estimated HCV infections: **90,000**
- **One in two** not diagnosed
- Southeastern region accounts for: **45%**



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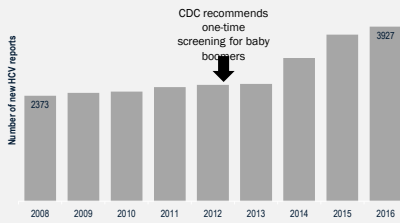
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## New reports of HCV have increased over the last ten years.



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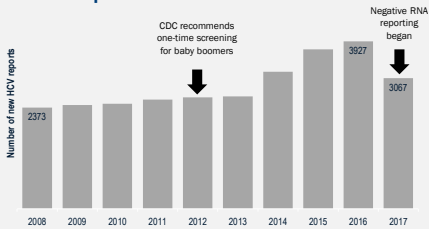
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## Factors other than disease occurrence can influence the number reported.



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## Exposures and Risk Factors

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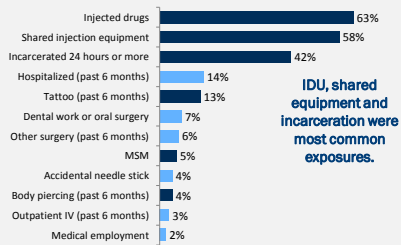
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### There were 99 acute cases in 2017.



Percent of Acute Cases

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## Age and Sex Distribution

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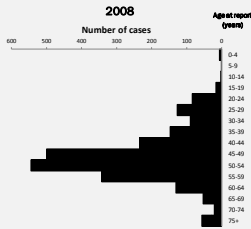
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Ten years ago, most new HCV reports were among baby boomers.



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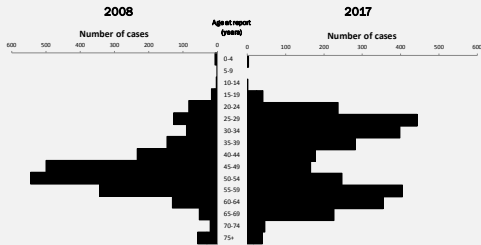
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In 2017, new reports were among baby boomers and younger adults.



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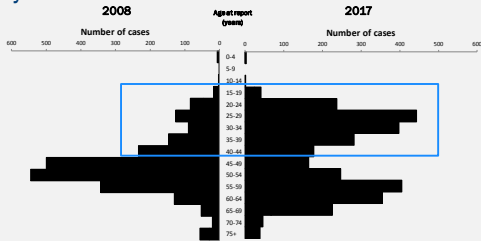
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New reports increased 88% among people ages 15-44 years.



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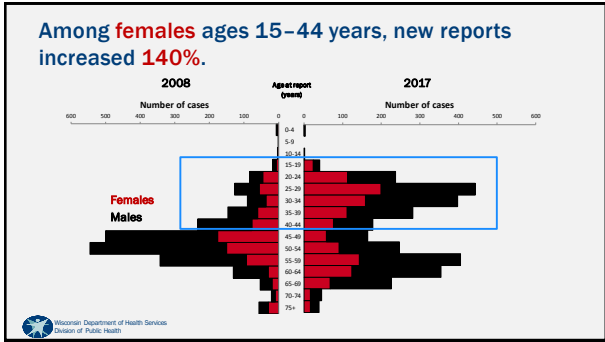
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Racial Disparities

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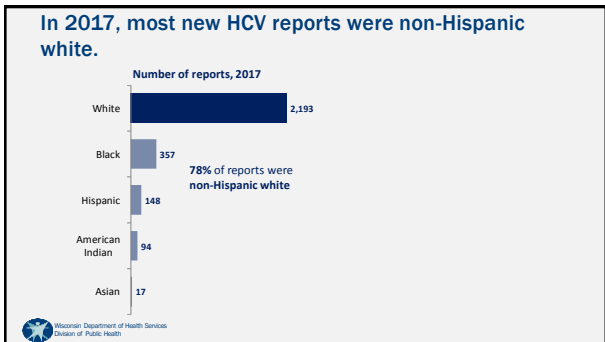
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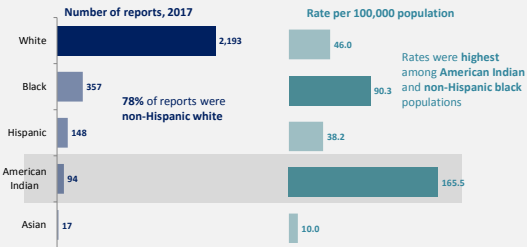
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**The American Indian population was disproportionately affected.**




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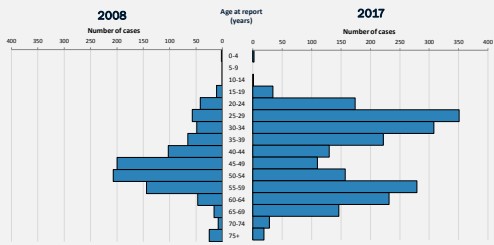
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**Non-Hispanic White**




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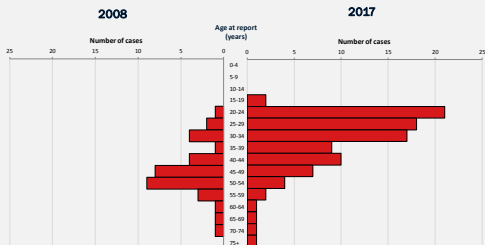
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**American Indian**




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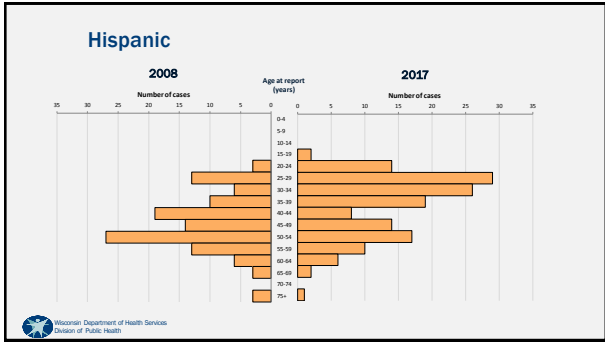
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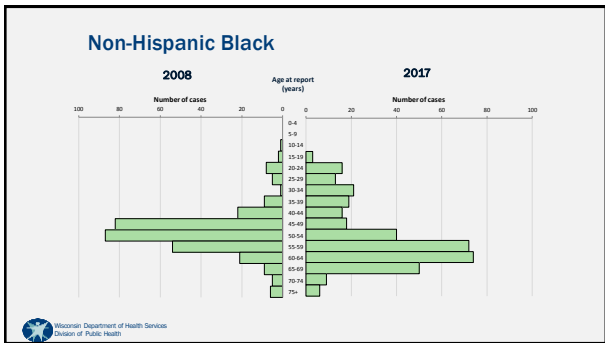
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## Hepatitis C and Opioids

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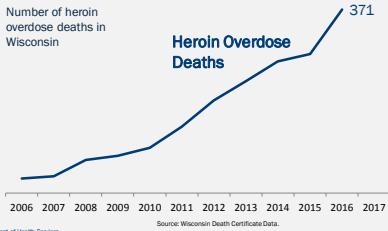
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**Heroin overdose deaths have increased over the past decade in Wisconsin.**



Wisconsin Department of Health Services  
Division of Public Health

Source: Wisconsin Death Certificate Data.

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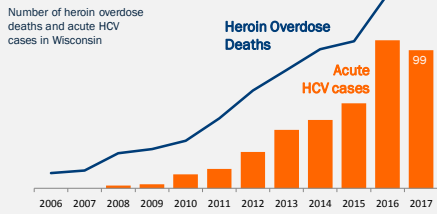
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**The increase in acute HCV cases mirrors the increase in heroin deaths.**



Wisconsin Department of Health Services  
Division of Public Health

Source: Wisconsin Death Certificate Data,  
Wisconsin Electronic Disease Surveillance System.

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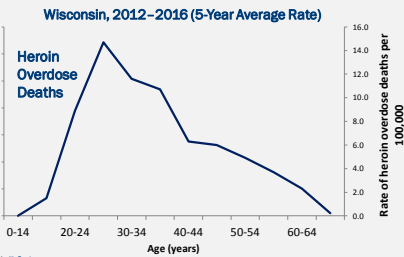
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**Heroin deaths are highest among young adults.**



Wisconsin Department of Health Services  
Division of Public Health

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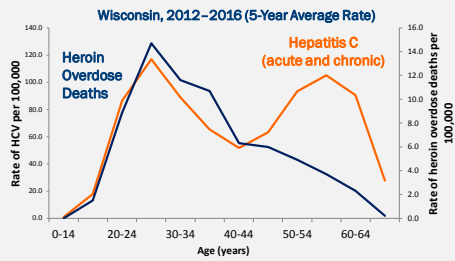
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**HCV infection and heroin deaths are high in young adults.**




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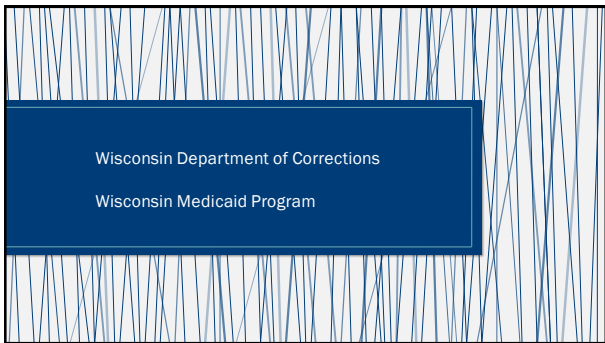
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**Wisconsin Department of Corrections**

**Testing**

- All inmates are offered HCV, HIV, and STI testing at intake
- Screening tests are accepted by > 90%
- 16% of inmates tested positive for HCV antibody (2016)

**Treatment**

- HAV and HBV vaccine are offered to all inmates at intake
- DOC uses the WI Medicaid criteria as a Community of Standard of Care
- UW Hepatology Clinic is used as the specialty/consultation clinic
- Uncomplicated inmates are treated by DOC doctors
- DOC has treated over 400 inmates in the past 12 months at a cost of > \$14 Million for pharmaceuticals




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### WI Medicaid Program Treatment Criteria

- All HCV treatment regimens require prior authorization
- Patients may be treated at any stage of disease; fibrosis and biopsies are generally not required
- Persons who inject drugs (PWID) are required to participate in a recovery program and abstain for 3 months
- Persons diagnosed with an alcohol abuse disorder are required to abstain from alcohol for 6 months
- In August 2017 GI and ID prescriber requirements were removed



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### Summary

- An estimated 90,000 people have HCV infection in Wisconsin:
  - Increases in new infections among young adults.
  - Increases in testing among baby boomers.
  - Cases are diagnosed in all counties.
  - Half of those infected with HCV have not been tested.
- HCV and opioid epidemics are affecting the same population.
- The Wisconsin DOC and Medicaid Program have been progressive in their treatment approach of HCV.



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## Question-and-Answer

Remember to raise your hand and wait until you have the microphone before you ask your question—we are recording!



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**Thank You**

Contacts:  
Sheila Guilfoyle, Viral Hepatitis Prevention Coordinator [Sheila.Guilfoyle@wisc.gov](mailto:Sheila.Guilfoyle@wisc.gov)  
Ruth Koepke, HCV Epidemiologist [Ruth.Koepke@wisc.gov](mailto:Ruth.Koepke@wisc.gov)  
Kaliynn Mitchell, HCV Surveillance Specialist  
Wisconsin Division of Public Health, HIV Program

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