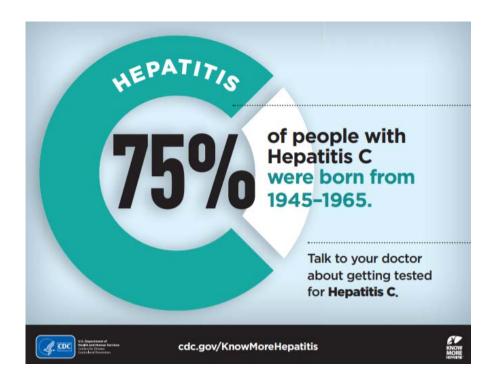


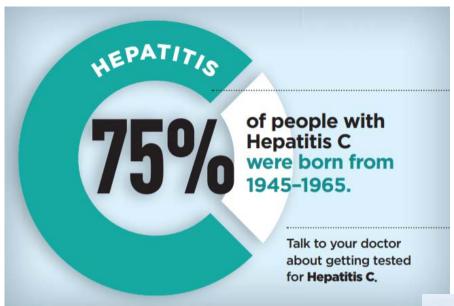
Hepatitis C: Local and National Perspectives on an Evolving Epidemic

Chicago Infection Control Conference

September 14, 2018

Alexandra Gagner, MPH
Epidemiologist
Communicable Disease Program





cdc.gov/KnowMoreHepatitis



Of every 100 people infected with Hepatitis C, 75-85 people will develop Chronic Hepatitis C. If left untreated:



TO THE THE THE TANK THE THE

60-70 PEOPLE
will develop
CHRONIC LIVER
DISEASE



5-20 PEOPLE
will develop
CIRRHOSIS
over a period of
20-30 years



1-5 PEOPLE
will die from
CIRRHOSIS or
LIVER CANCER

Talk to your doctor about getting tested for **Hepatitis C**.



cdc.gov/KnowMoreHepatitis



Of every 100 people infected with Hepatitis C, 75-85 people will develop Chronic Hepatitis C.

If left untreated:



75%



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CnowMoreHepatitis





National Trends

Figure 4.1. Reported number of acute hepatitis C cases — United States, 2001–2016

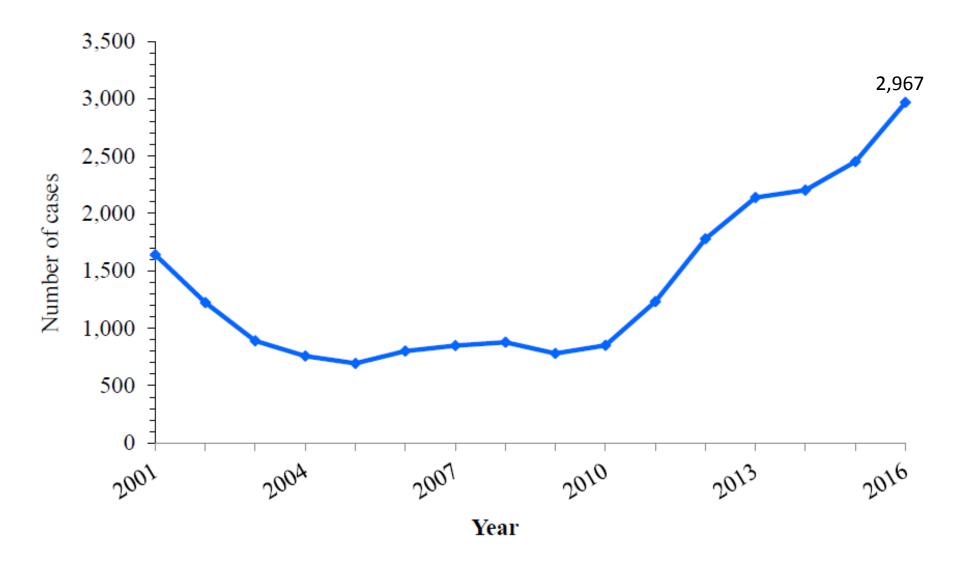


Figure 4.2. Incidence of acute hepatitis C, by age group — United States, 2001–2016

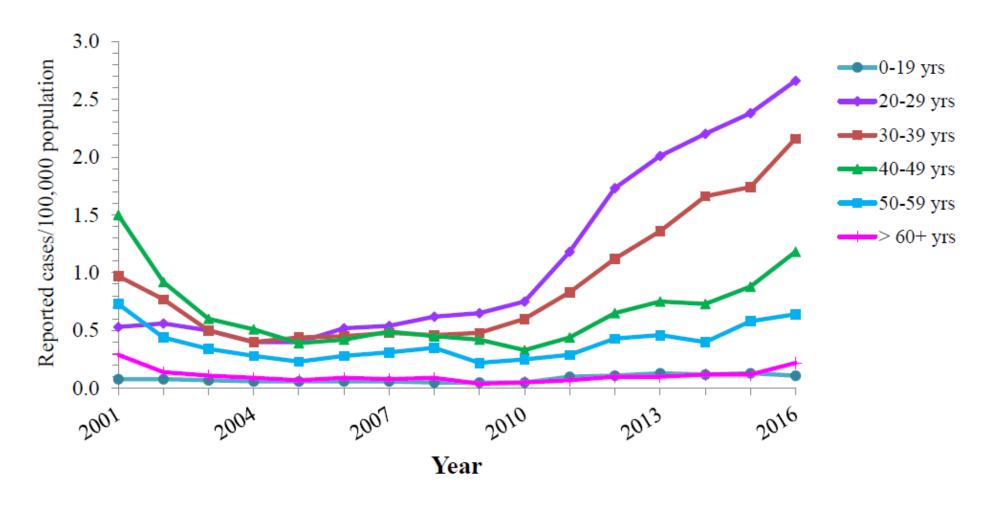


Figure 4.2. Incidence of acute hepatitis C, by age group — United States, 2001–2016

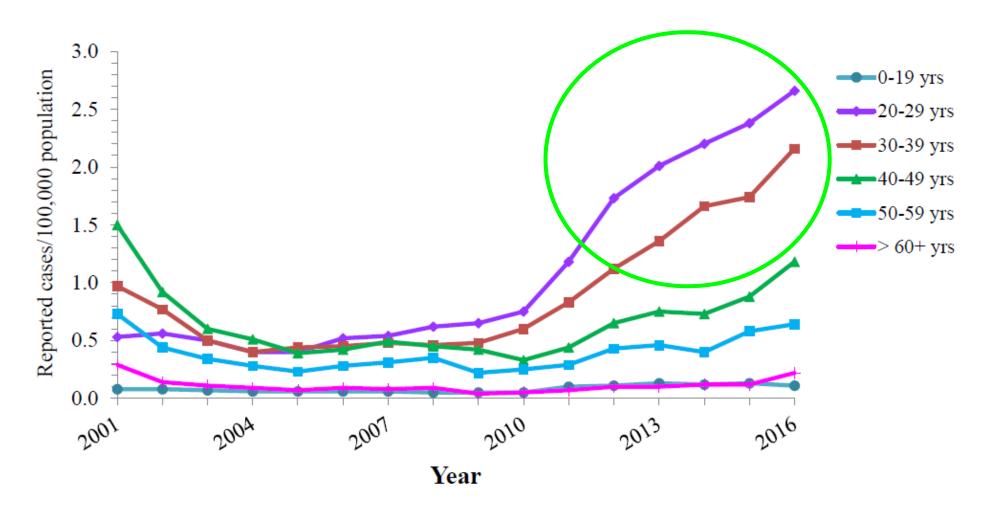
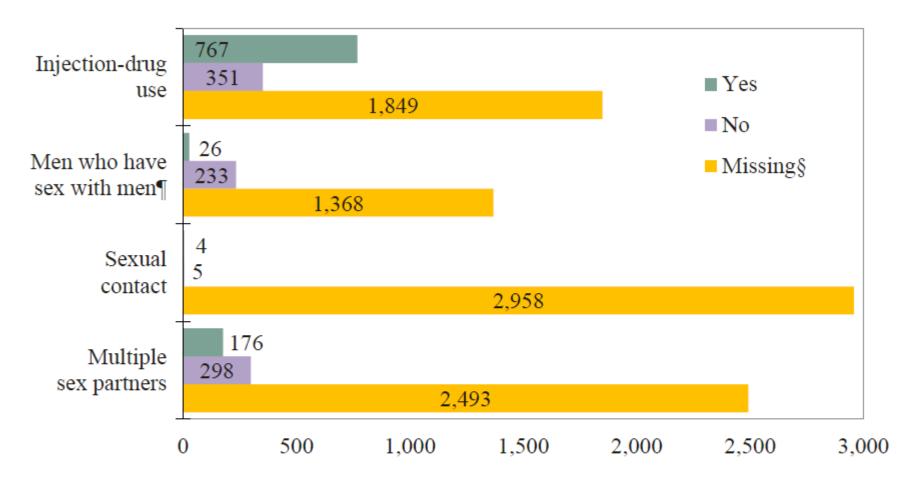


Figure 4.6a. Acute hepatitis C reports*, by risk exposure/behavior†— United States, 2016



^{*}A total of 2,967 case reports of acute hepatitis C were received in 2016.

[†] More than one risk exposure/behavior may be indicated on each case report.

[§]No risk data reported.

[¶]A total of 1,627 acute hepatitis C cases were reported among males in 2016.

Figure 4.6a. Acute hepatitis C reports*, by risk exposure/behavior†— United States, 2016



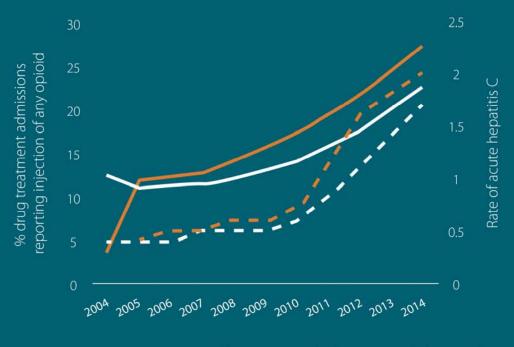
^{*}A total of 2,967 case reports of acute hepatitis C were received in 2016.

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HEPATITIS C AND OPIOID INJECTION ROSE DRAMATICALLY IN YOUNGER AMERICANS FROM 2004-2014



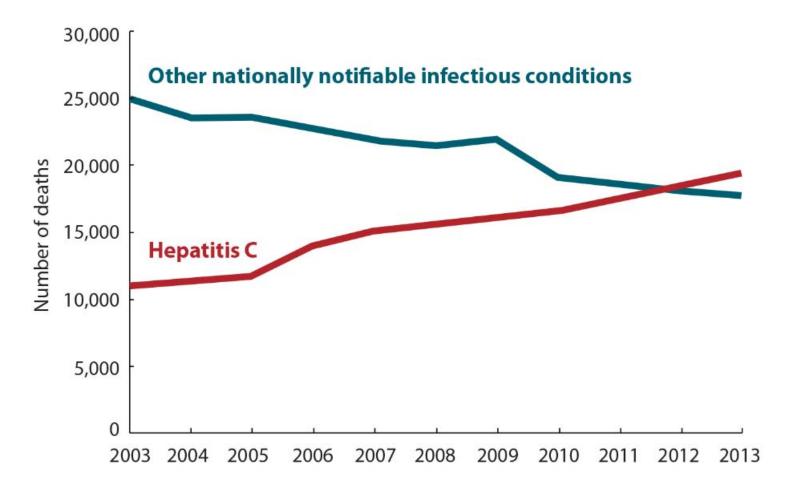
- Among people aged 18-29, HCV increased by 400% and admission for opioid injection by 622%
- Among people aged 30-39, HCV increased by 325% and admission for opioid injection by 83%

Any Opioid Injection (18-29)
 Any Opioid Injection (30-39)
 HCV Rate (18-29)
 HCV Rate (30-39)

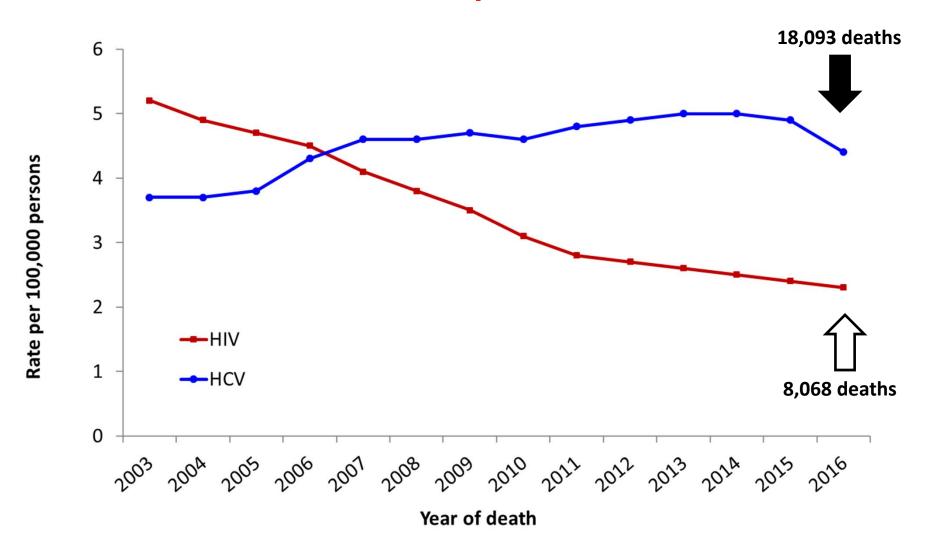
Source: Centers for Disease Control and Prevention and Substance Abuse and Mental Health Services Administration

Hepatitis C Deaths

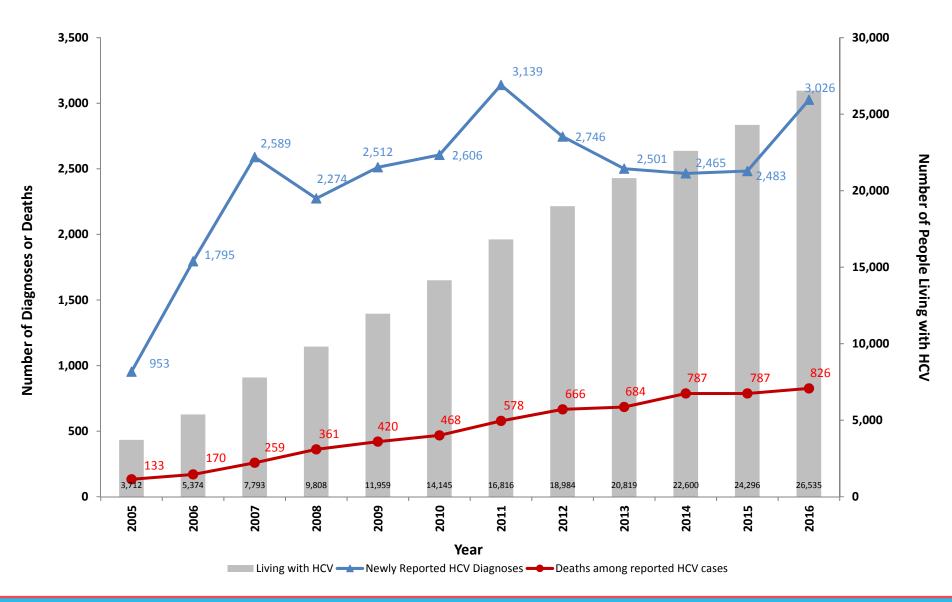
- Exceeds deaths from 60 other infectious diseases combined
- Other notifiable infectious conditions include HIV, tuberculosis, and hepatitis B

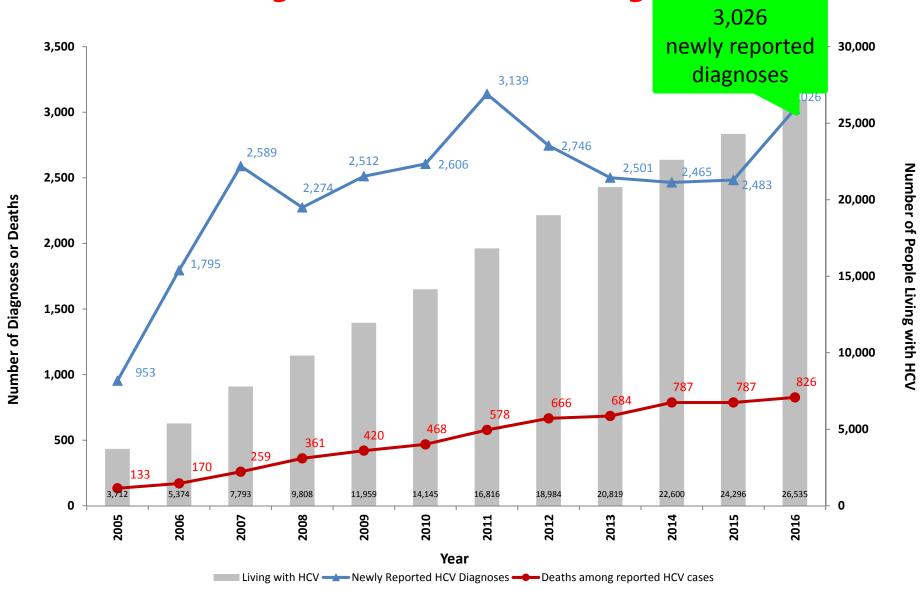


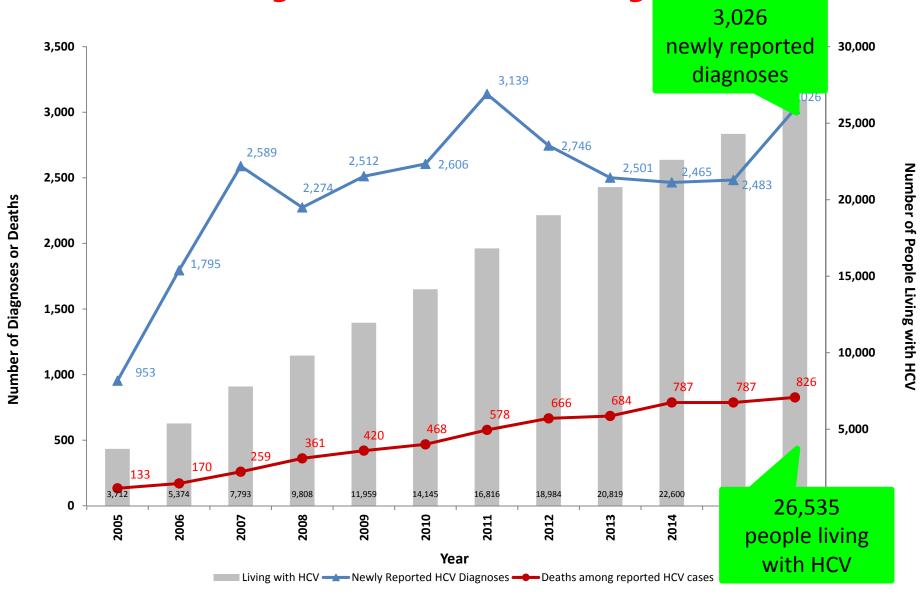
Annual rate of HCV and HIV related deaths, United States, 2003-2016

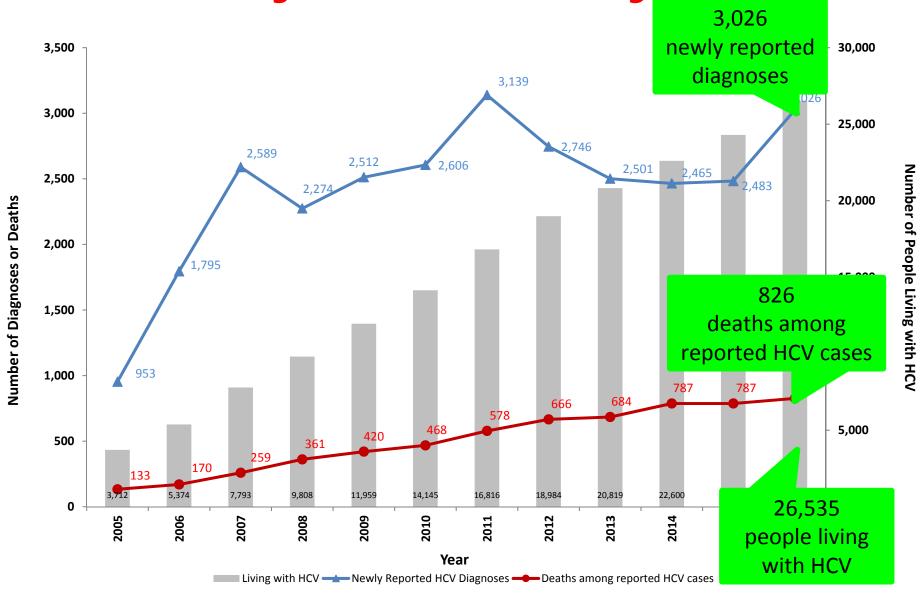


Local Data





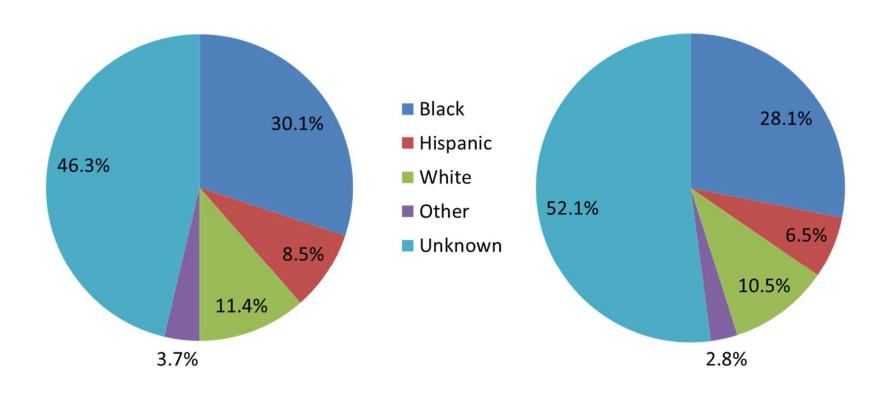




Newly Reported HCV Diagnoses by Race/Ethnicity, Chicago, 2016

N=3,026

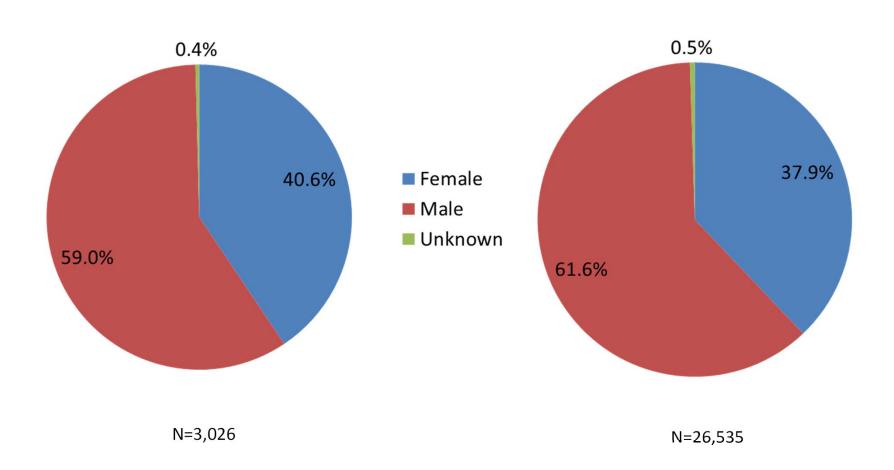
People Living with HCV by Race/Ethnicity, Chicago, 2016



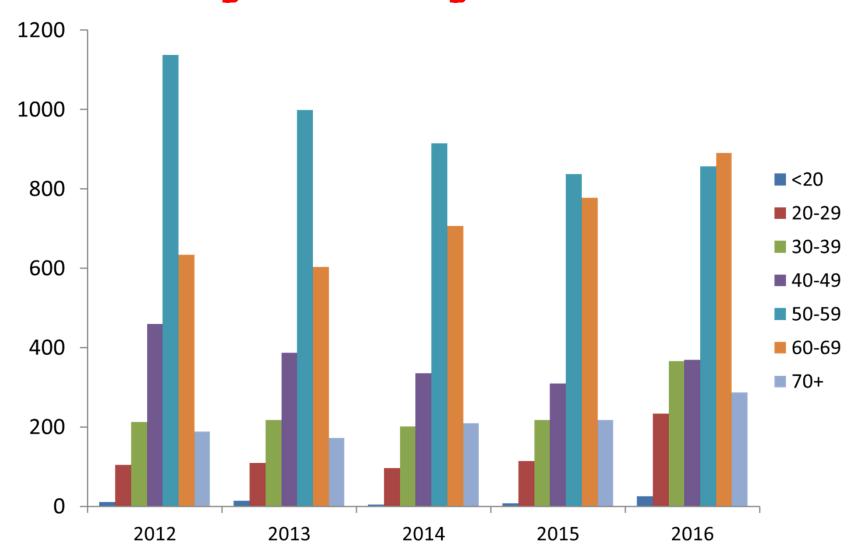
N=26,535

Newly Reported HCV Diagnoses by Sex, Chicago, 2016

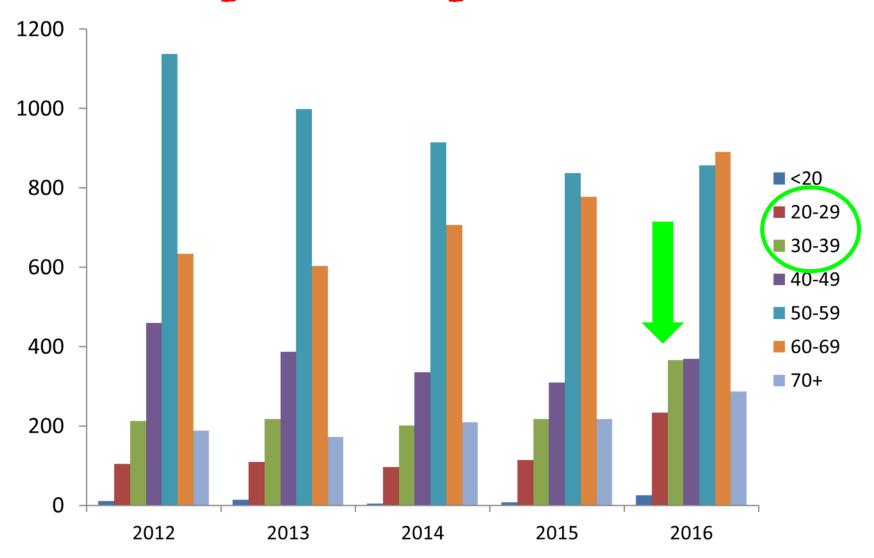
People Living with HCV by Sex, Chicago, 2016



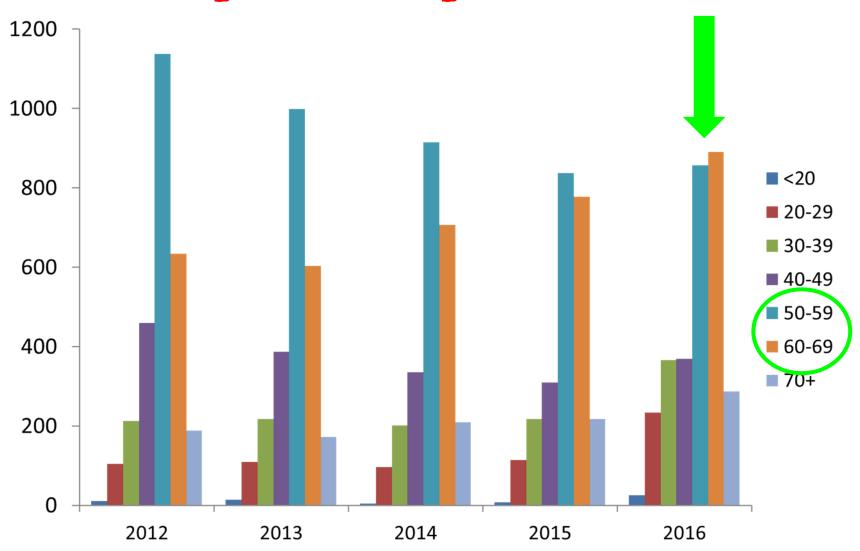
Hepatitis C Cases by Diagnosis Year and Age at Diagnosis, Chicago, 2012-2016



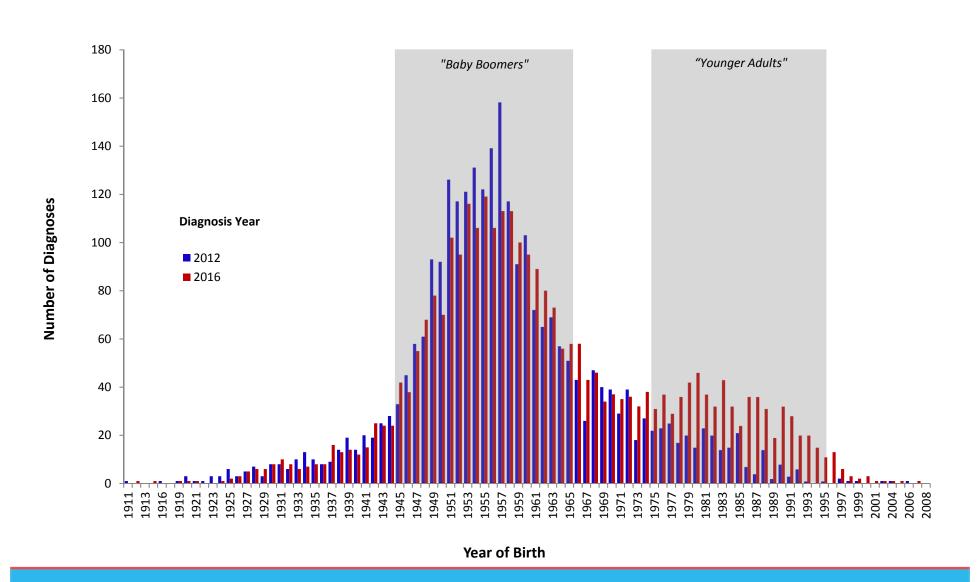
Hepatitis C Cases by Diagnosis Year and Age at Diagnosis, Chicago, 2012-2016



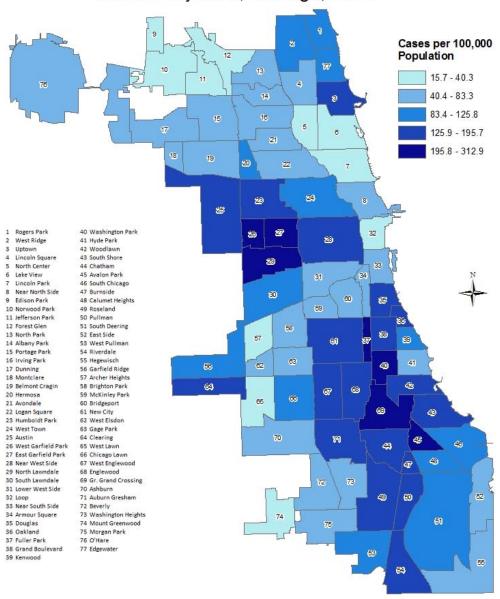
Hepatitis C Cases by Diagnosis Year and Age at Diagnosis, Chicago, 2012-2016



Newly Reported HCV Diagnoses in 2012 and 2016 by Year of Birth, Chicago

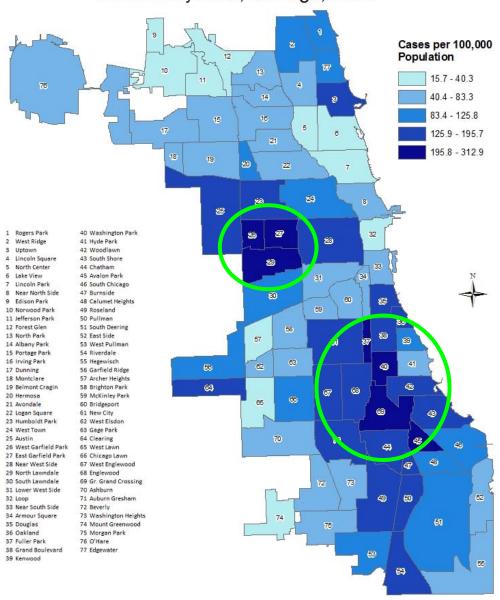


Rate of Newly Reported Hepatitis C Diagnoses by Community Area, Chicago, 2016



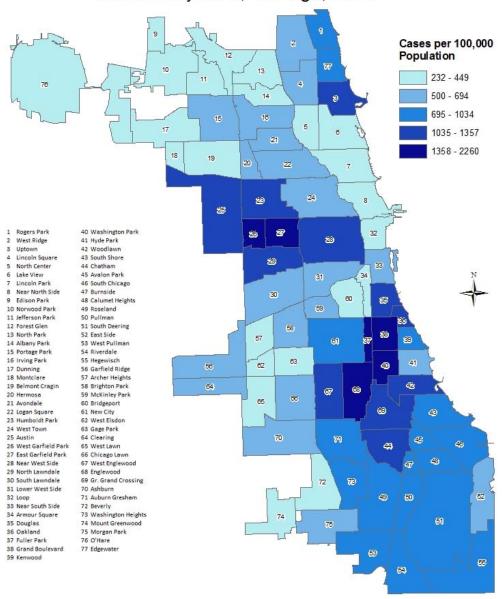


Rate of Newly Reported Hepatitis C Diagnoses by Community Area, Chicago, 2016



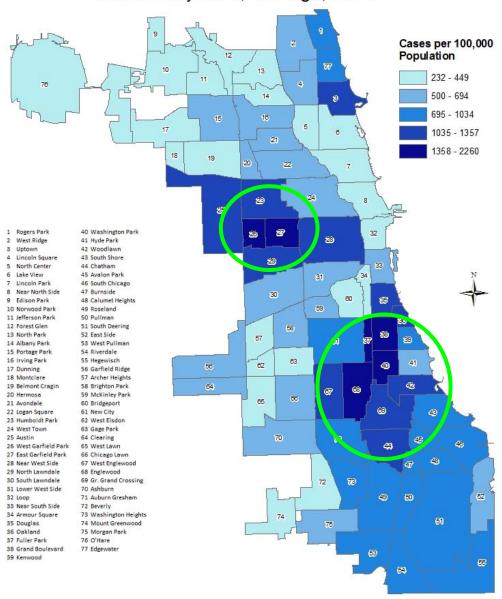


Rate of People Living with Hepatitis C by Community Area, Chicago, 2016





Rate of People Living with Hepatitis C by Community Area, Chicago, 2016





Surveillance

Hepatitis C Reporting

Regulations

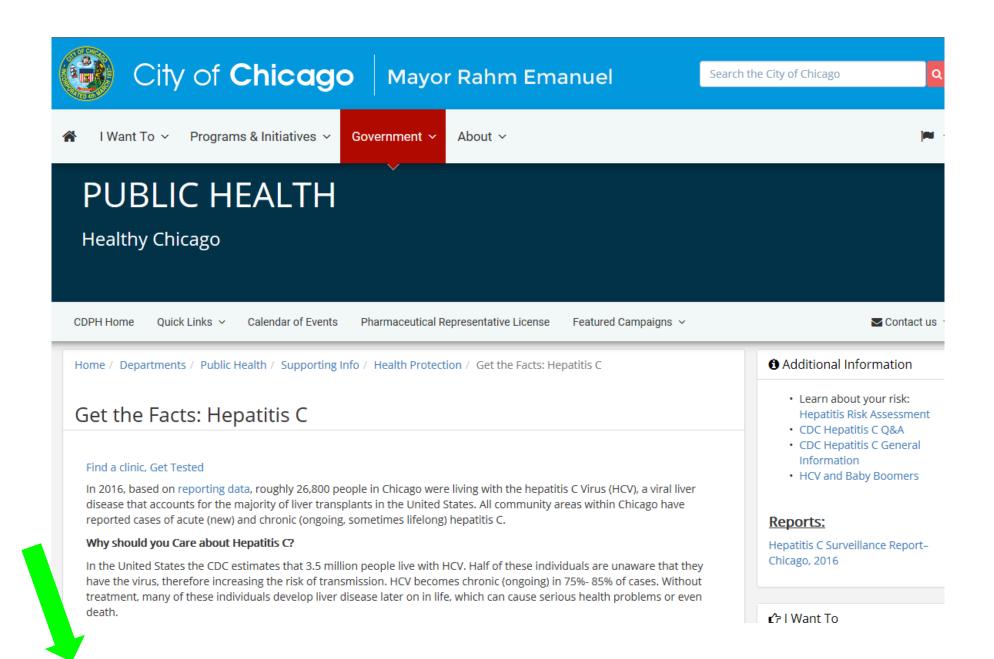
- Reportable since 2001 in Illinois
- Control of Communicable Disease Code of Illinois, Title 77,
 Chapter I, Subpart C, Section 690.200 and Subpart D, Section 690.452

How to report

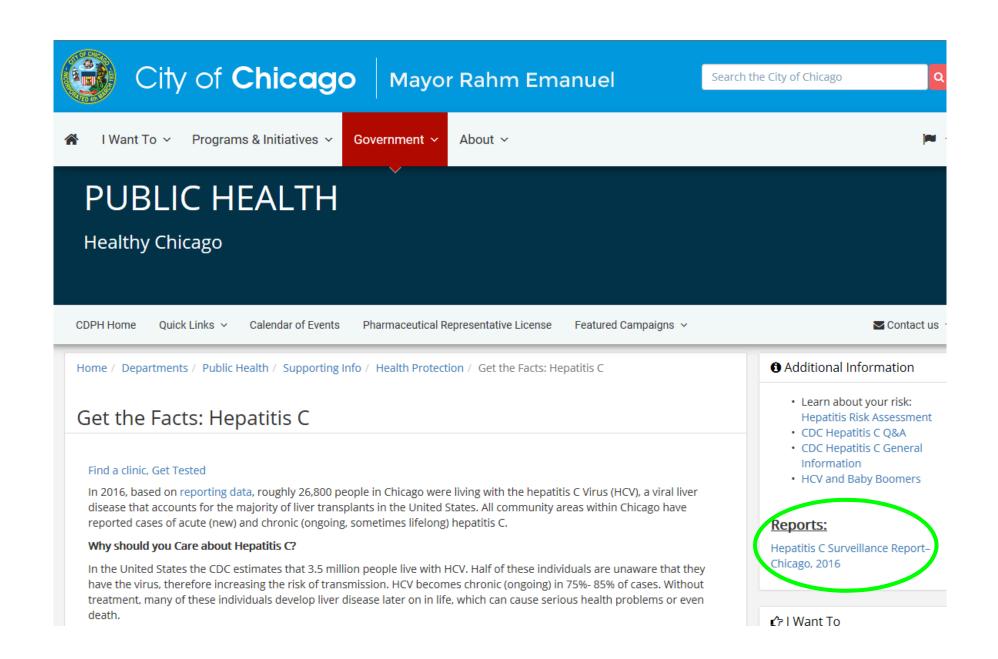
- Faxes (312-746-6388)
- Illinois National Electronic Disease Surveillance System (I-NEDSS)
 - Web-based reporting system since 2007
 - Manual entry by provider
 - Electronic lab reporting (missing data e.g. race/ethnicity)

Hepatitis C Investigations

- Housed in the Communicable Disease program
 - Handles all reportable diseases that don't have their own program
 - Other investigations often take priority
 - No funding for dedicated hepatitis C surveillance staff
- Case investigations prioritized
 - <35 years old</p>
 - Elevated liver function tests
 - Symptomatic



https://www.cityofchicago.org/city/en/depts/cdph/supp_info/health-protection/hepatitis-c.html



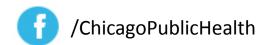
https://www.cityofchicago.org/city/en/depts/cdph/supp_info/health-protection/hepatitis-c.html

Alexandra Gagner, MPH Epidemiologist

Communicable Disease Program alexandra.gagner@cityofchicago.org 312.743.1700











www.CityofChicago.org/Health