Hepatitis C in New York City

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February 7, 2017
Hepatitis C Surveillance in NYC

• High volume of reports, ~275,000 in 2016
• >90% of reports are imported electronically from labs
• Goals
  • Describe the epidemiology of chronic hepatitis C
  • Outreach to persons newly reported with hepatitis C
  • Estimate prevalence in NYC
    • 2.4% among persons >=20 = 146,500 people
    • Balter et al, Epidemiol. Infect, May 2013
  • Monitor appropriate diagnostic testing, treatment and cure
Epidemiology of Hepatitis C in NYC

• In 2015: 7,328 newly-reported persons

• Preliminary 2016 data: 11,979 newly-reported persons
  • 55% males; 43% born between 1945-1965
  • Change in case definition accounts for large increase across all ages

• Enhanced surveillance project (2009-12)**
  • 30% Hispanics, 30% blacks
  • 39% IDU and 36% intranasal drug use history
  • 51% born in the US/PR

• 23,152 (15%) of persons reported to DOHMH with HIV/AIDS also known to have current hepatitis C***

** Drezner, PHR 2013
*** NYC DOHMH, Division of Disease Control, PCSI, 2000-2013
Newly Reported Persons with Hepatitis C, RNA Test Within 3 Months of Diagnosis

![Graph showing the percentage of newly reported persons with Hepatitis C who underwent RNA test within 3 months of diagnosis from 2012 to 2016, with a target line at 80%.]
Hepatitis C Rate per 100,000 Residents by Zip Code Poverty Level, 2015

Sources: Bureau of Communicable Disease 2015 HCV surveillance data, American Community Survey 2009-2013
Newly Reported Persons with Hepatitis C by Age

2005

2015
Hepatitis C Rates by United Hospital Fund Neighborhood, 2011-2015
Newly Reported Persons with Hepatitis C by Gender and Age, 2005-2015

All newly reported cases

Number Diagnosed vs. Year of Diagnosis

Age 0-29

Number Diagnosed vs. Year Diagnosed

Female | Male

0  | 2000
200 | 4000
600 | 8000
1000 | 12000
14000

Care Cascade for Prevalent Infections

- Total: 140,000
- Aware of infection: 84,000 (60%)
- Confirmed infection: 75,000 (53%)
- Received treatment: 16,500 (22%)
- Cured: 21,000 (14%)
Summary: Epidemiology of Hepatitis C in NYC

• Baby boomers still account for close to 50% of newly reported cases in NYC
• Increasing rates among youth (0-29) though numbers much smaller
• In all age groups, rates higher among men
  • Higher proportion in youth (0-29) are women compared with older ages
• Rates highest in high poverty neighborhoods

• The majority of patients have not been treated yet