

# Hepatitis C in New York City: 2022 Annual Report

New York State Hepatitis C Elimination Annual Progress Report  
May 15, 2024

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Bureau of Hepatitis, HIV, and Sexually Transmitted Infections  
New York City Department of Health and Mental Hygiene

# Update on Viral Hepatitis Elimination Metrics in New York City, 2022

# Goals: Reduce New Hepatitis C Infections, Improve the Health of People with Hepatitis C, and Reduce Health Inequities Related to Viral Hepatitis Infection

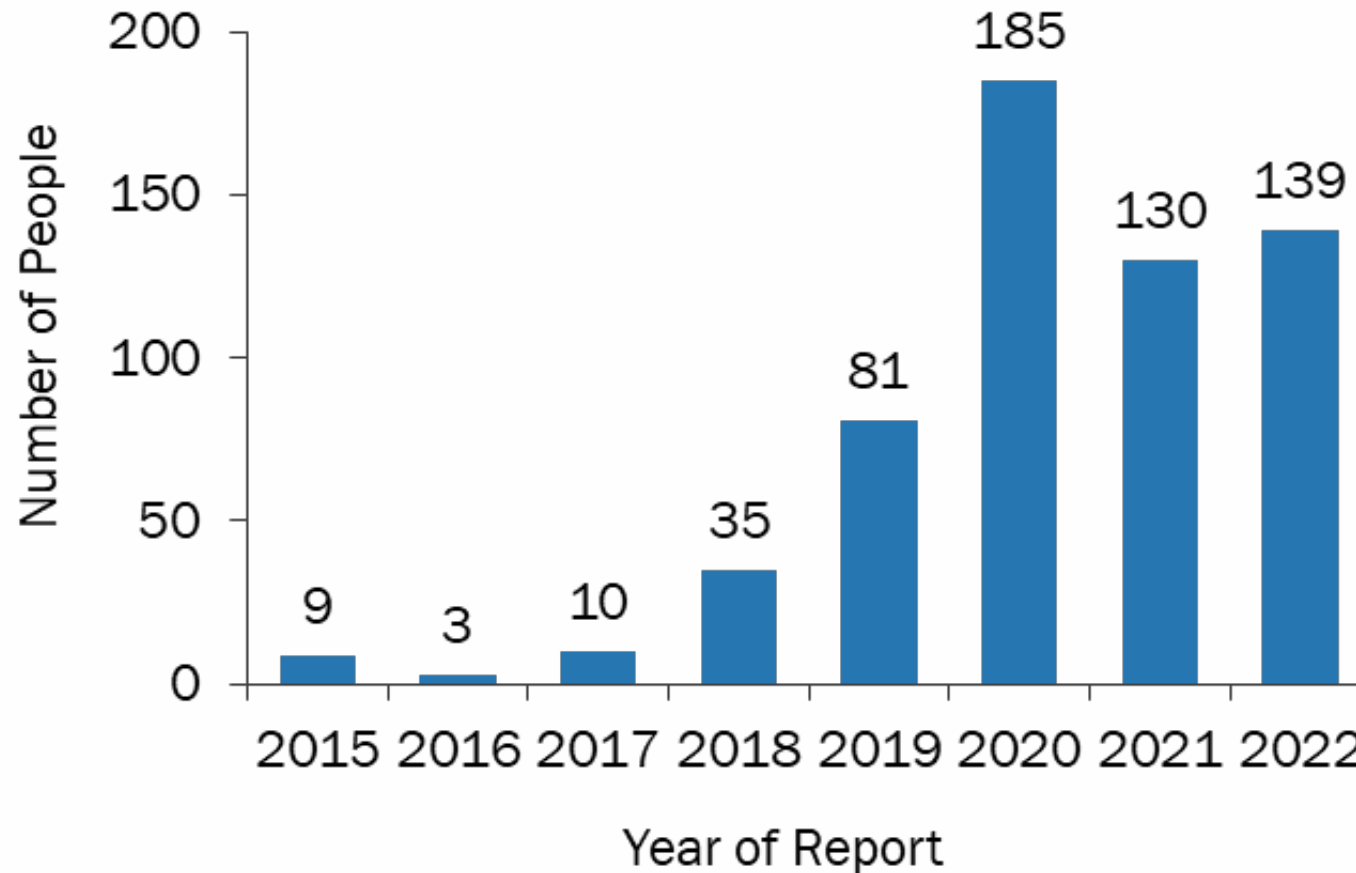
Progress Indicators	Baseline	Current	2030 (goal)
<p><b>90% of participants in New York City Department of Health and Mental Hygiene (NYC Health Department) Viral Hepatitis Program-contracted programs will be screened for hepatitis C</b></p> <p><i>Data source: Organizations that contract with the NYC Health Department and report screening data</i></p>	<p><b>42%</b> (2018)</p>	<p><b>46%</b> (2022)</p>	<p><b>90%</b></p>
<p><b>80% of adults newly diagnosed with hepatitis C will be RNA negative within one year of diagnosis</b></p> <p><i>Data source: NYC Health Department hepatitis C surveillance data</i></p>	<p><b>40%</b> (2019)</p>	<p><b>38%</b> (2022)</p>	<p><b>80%</b></p>
<p><b>80% of people in New York City reported with hepatitis C since 2014 will be RNA negative</b></p> <p><i>Data source: NYC Health Department hepatitis C surveillance data</i></p>	<p><b>63%</b> (2019)</p>	<p><b>69%</b> (2022)</p>	<p><b>80%</b></p>
<p><b>Mortality due to hepatitis C will be reduced by 65% for Black and Latino people in New York City</b></p> <p><i>Data sources: NYC Health Department hepatitis surveillance data and Bureau of Vital Statistics data</i></p>	<p><b>6.4</b> per 100,000 Latino people; <b>5.7</b> per 100,000 Black people (2018)</p>	<p><b>3.8</b> per 100,000 Latino people; <b>3.0</b> per 100,000 Black people (2021)</p>	<p><b>2.2</b> per 100,000 Latino people; <b>2.0</b> per 100,000 Black people</p>

*Data is preliminary and subject to change*

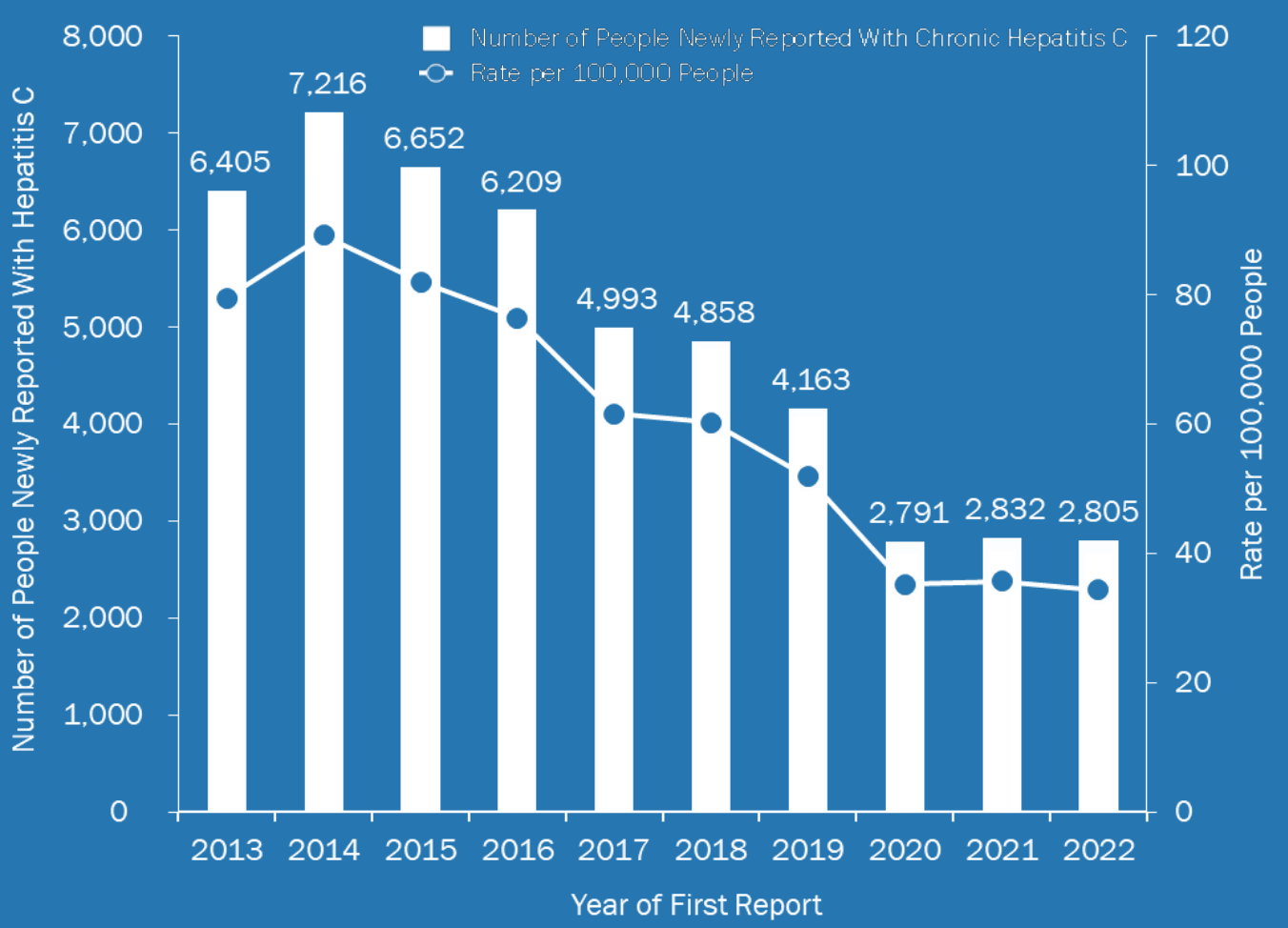
# Hepatitis C Surveillance in New York City, 2022

# Acute Hepatitis C

Number of People Reported with Acute Hepatitis C in New York City, 2015–2022



# Newly Reported Cases of Chronic Hepatitis C in New York City, 2022



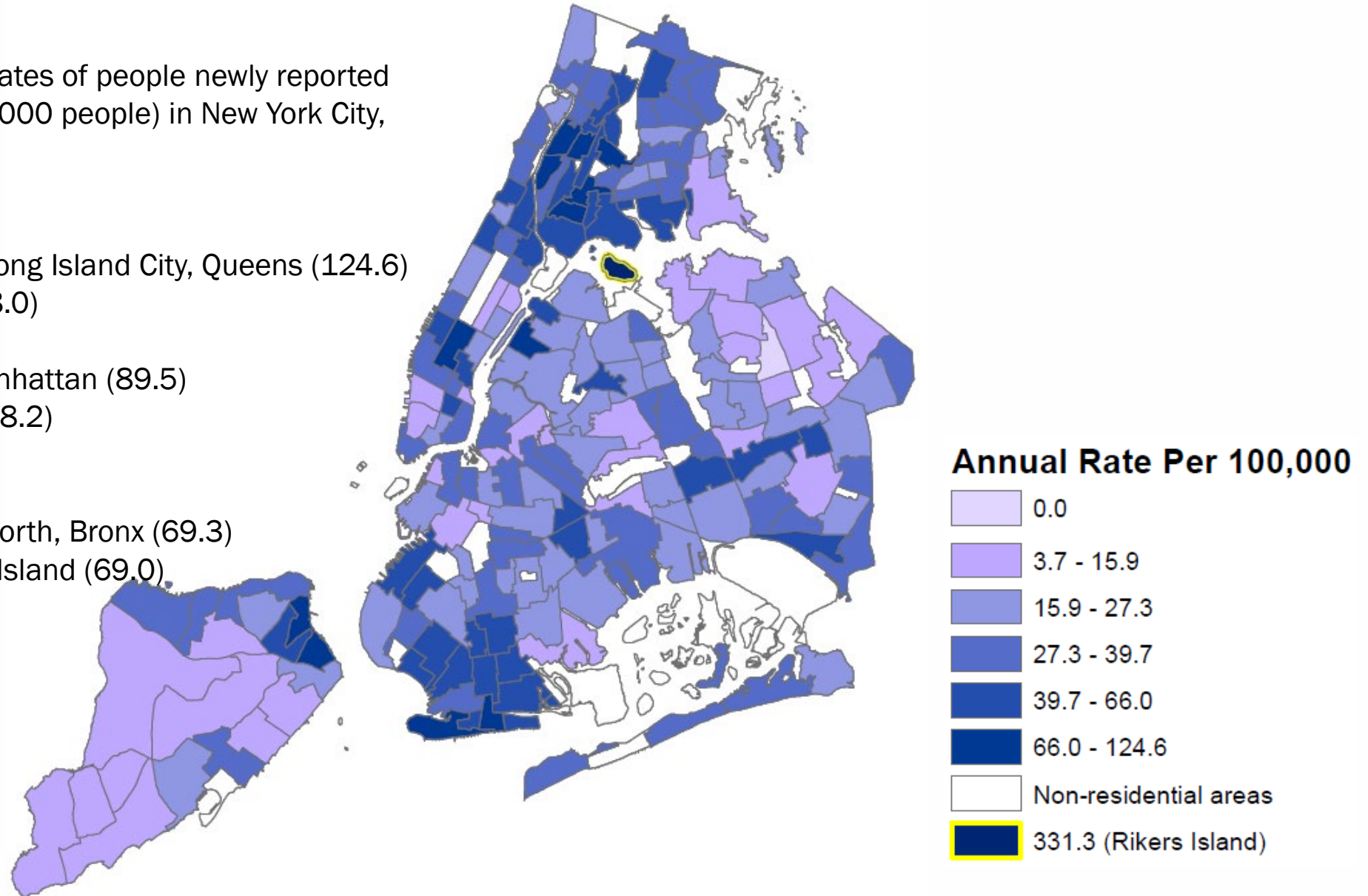
**2,805**  
Number of people newly reported

**34.4**  
Rate of newly reported per 100,000 people

# Epidemiology of Hepatitis C in New York City, 2022

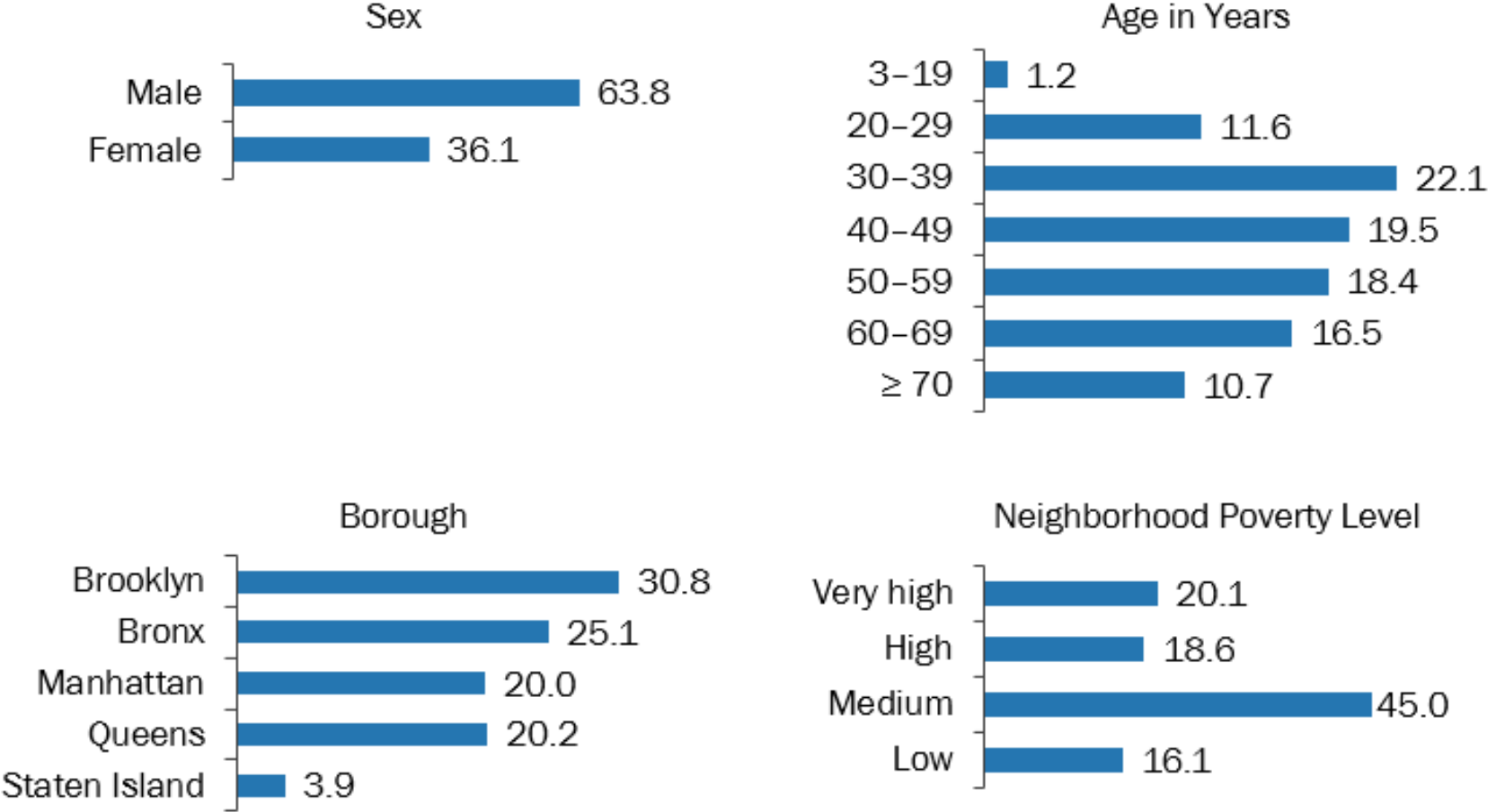
Neighborhoods with the highest rates of people newly reported with chronic hepatitis C (per 100,000 people) in New York City, 2022

- Rikers Island, Bronx (331.3)
- Queensbridge-Ravenswood-Long Island City, Queens (124.6)
- Brighton Beach, Brooklyn (98.0)
- East Tremont, Bronx (96.4)
- Midtown-Midtown South, Manhattan (89.5)
- Morrisania-Melrose, Bronx (78.2)
- Highbridge, Bronx (71.6)
- Mount Hope, Bronx (70.8)
- Melrose South-Mott Haven North, Bronx (69.3)
- Stapleton-Rosebank, Staten Island (69.0)



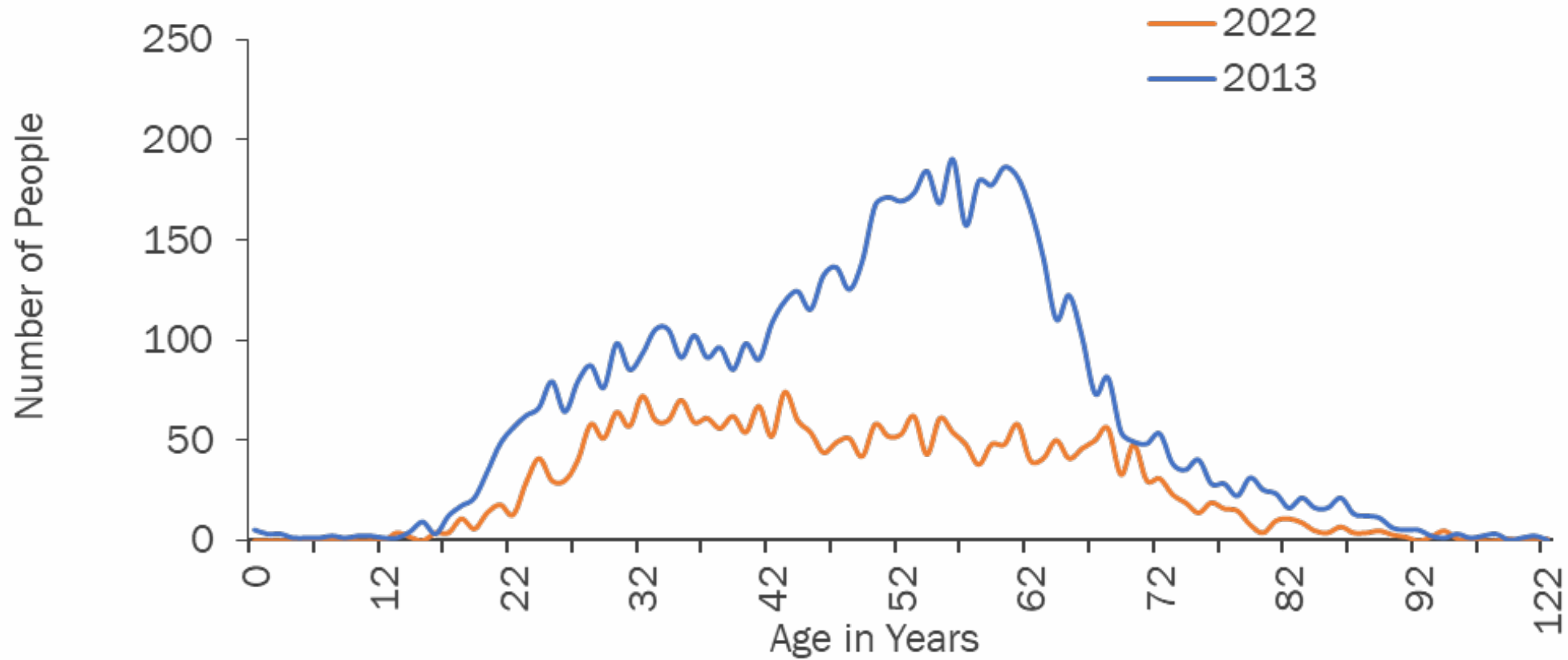
# Epidemiology of Hepatitis C in New York City, 2022

Percentage of People Newly Reported with Chronic Hepatitis C in New York City by Sex, Age, Borough, and Neighborhood Poverty Level, 2022





# Age Distribution of People Reported with Chronic Hepatitis C in New York City, 2013 and 2022

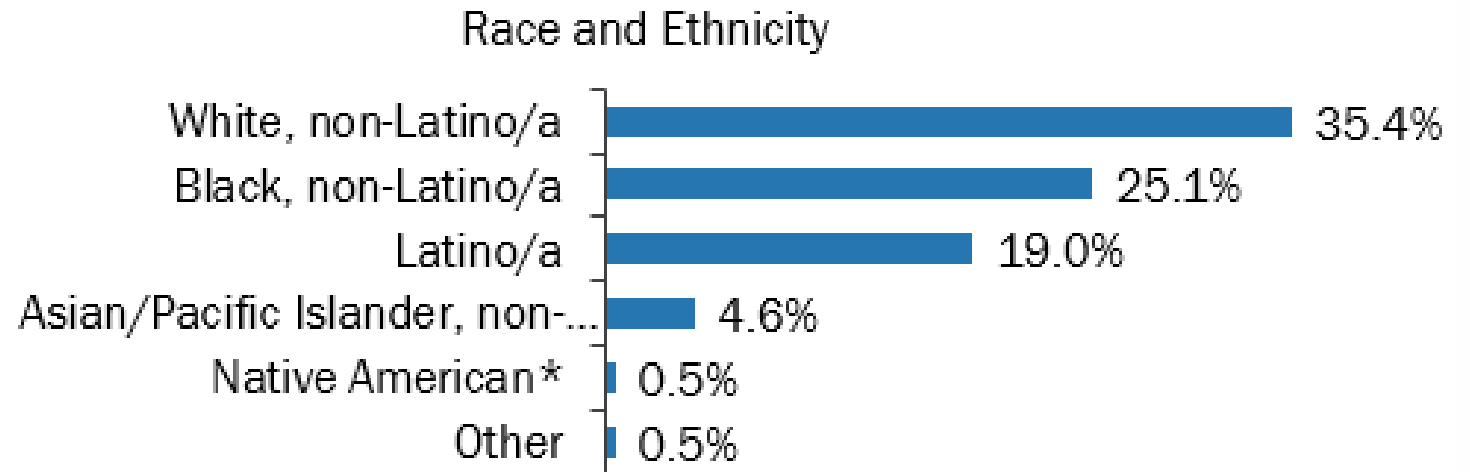
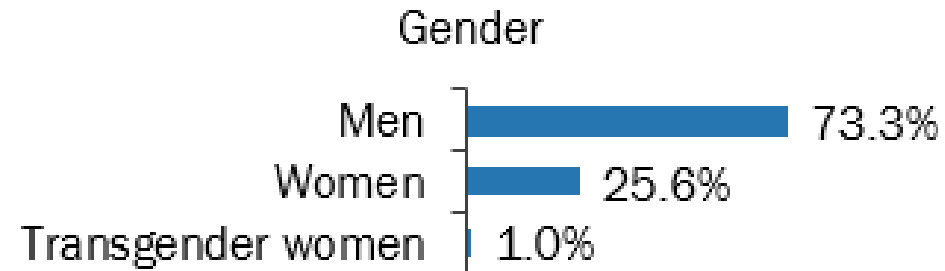


# Hepatitis C Enhanced Surveillance Investigations in New York City

# Hepatitis C Enhanced Surveillance: Patient Characteristics

In 2022, the NYC Health Department investigated **195** out of 313 (**62.3%**) people ages 18 to 34 years newly reported with chronic hepatitis C in New York City by interviewing them and their health care providers.

Of these 195 people, **74** (38.0%) people with chronic hepatitis C were interviewed.



\*Or Alaska Native, non-Latino/a

# Hepatitis C Enhanced Surveillance: Patient Characteristics

## Access to Hepatitis C Health Care

79%

Percentage of 195 people ages 18 to 34 years with health insurance at the time of interview in NYC in 2022

11%

Percentage of 195 people ages 18 to 34 years referred to Health Department navigator for linkage to care at the time of interview in NYC in 2022

## Hepatitis C Health Care Utilization

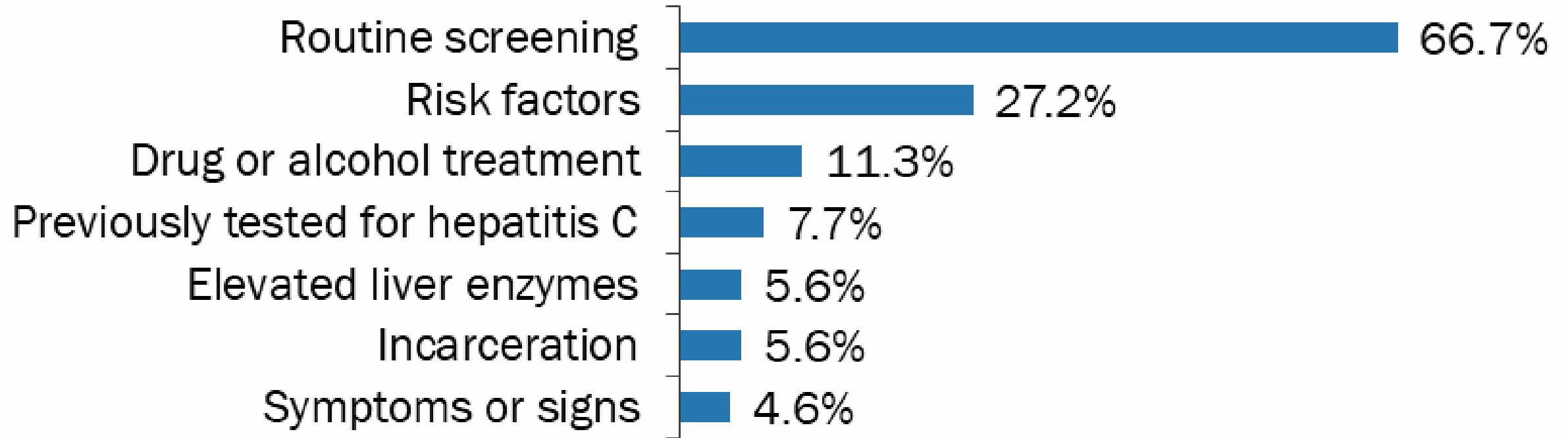
29%

Percentage of 195 people ages 18 to 34 years treated for hepatitis C at the time of interview in NYC in 2022

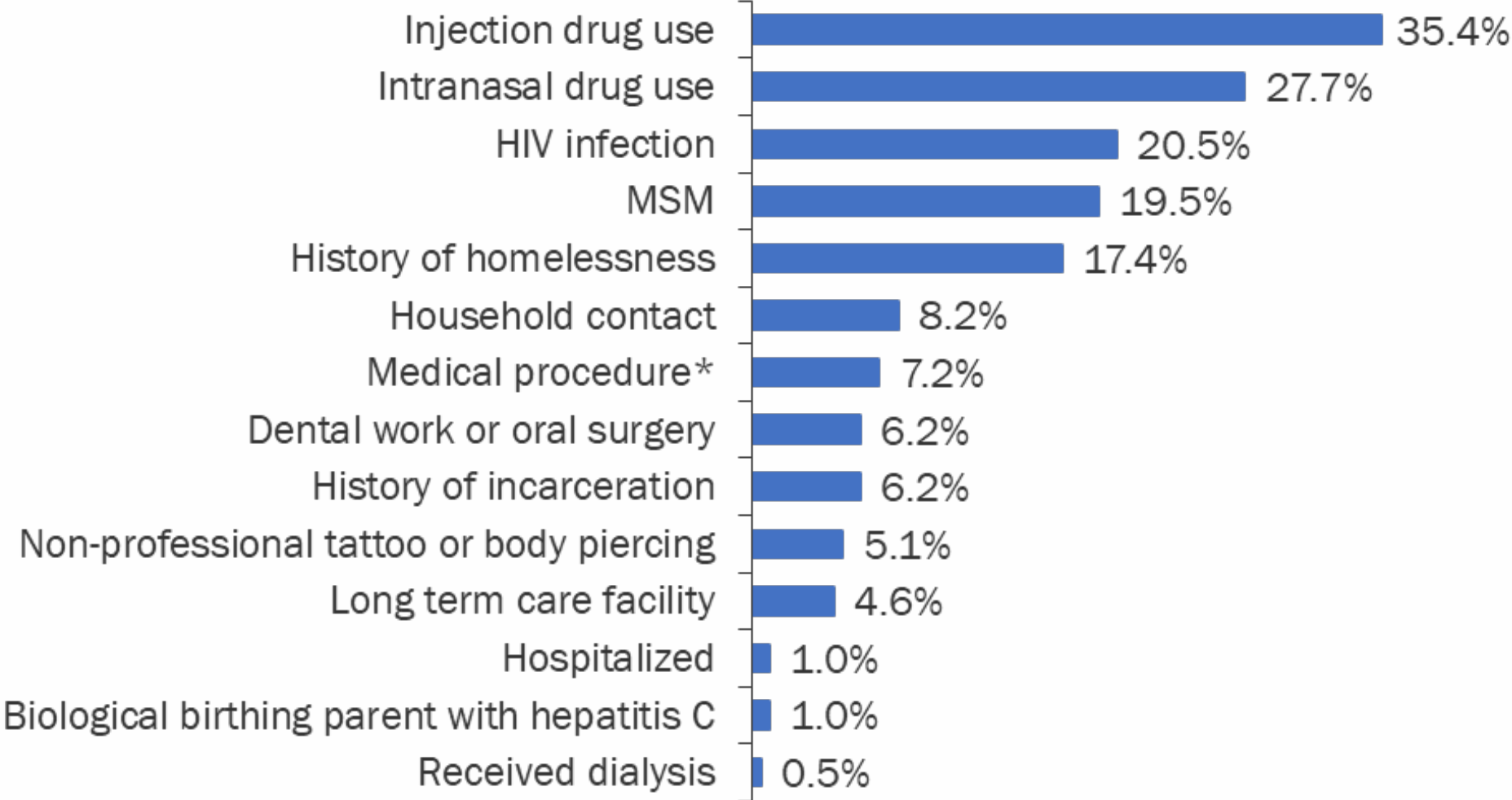
11%

Percentage of 195 people ages 18 to 34 years vaccinated against hepatitis A, B or both as per provider interview in NYC in 2022

# Hepatitis C Enhanced Surveillance: Reason for Hepatitis C Screening (n=195)



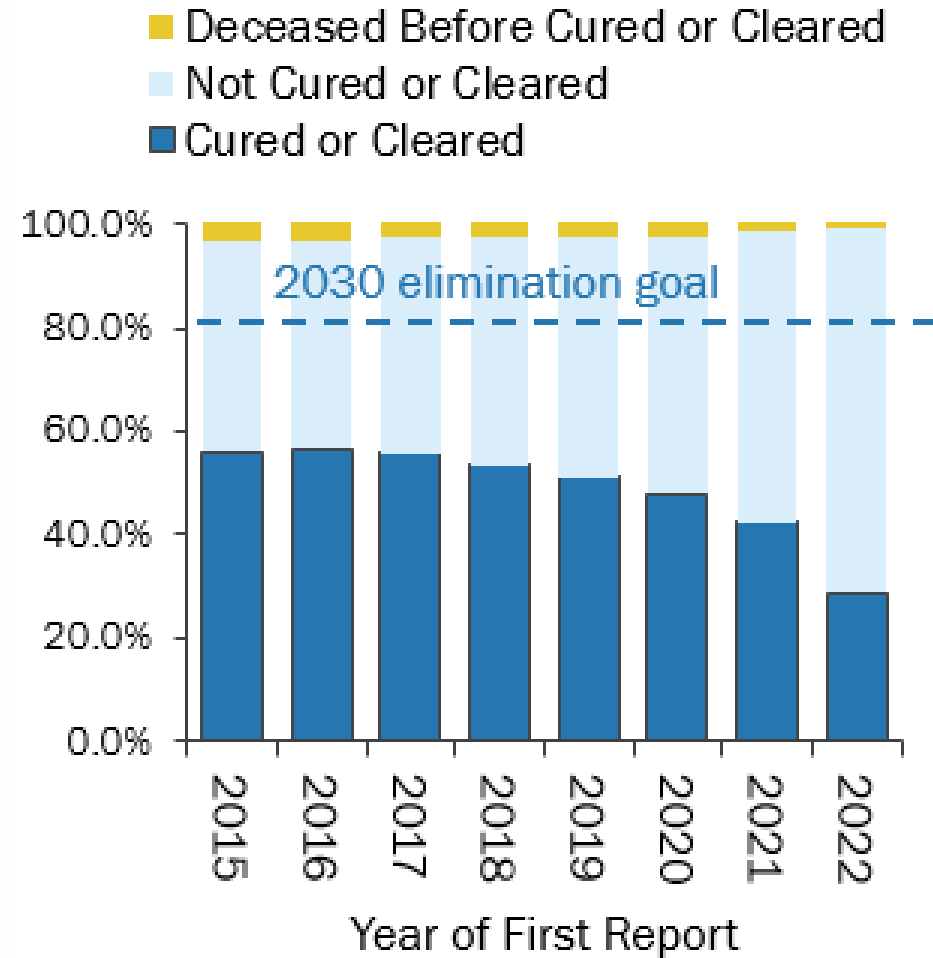
# Enhanced Surveillance: Hepatitis C Risk Factors (n=195)



*\*Involving injections, anesthesia or blood*

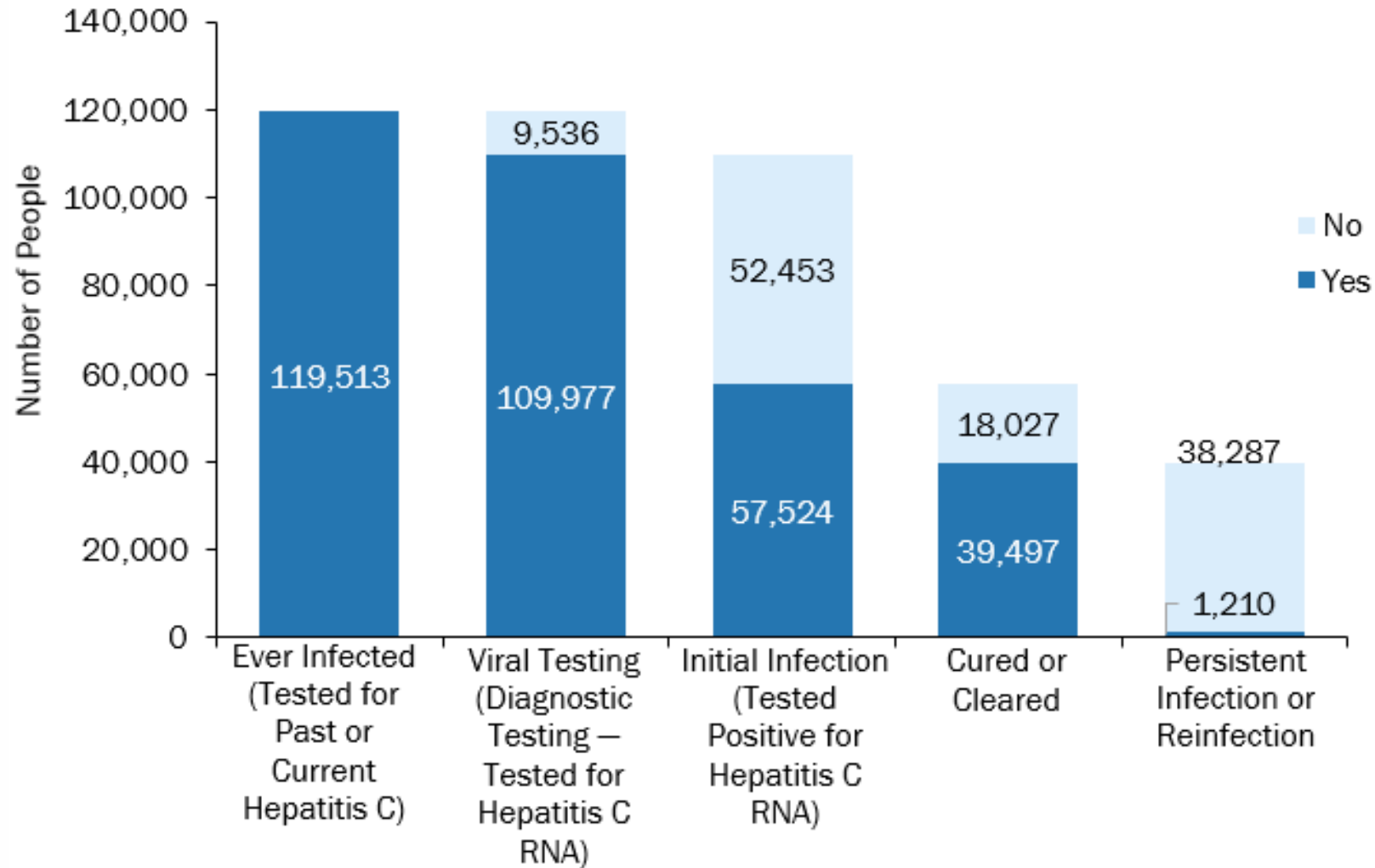
# Hepatitis C Care Outcomes in New York City

# Hepatitis C Cure or Clearance in New York City, 2015-2022

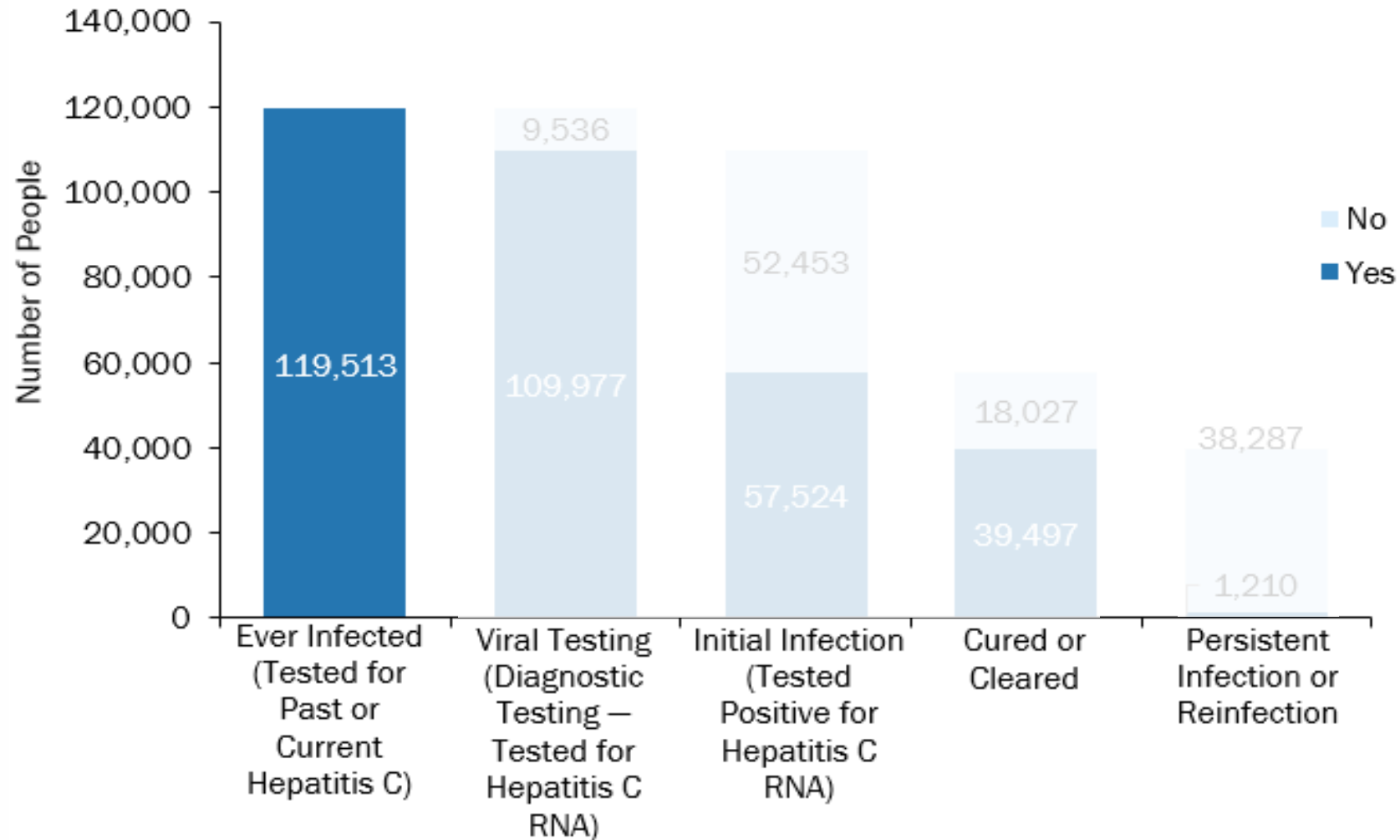




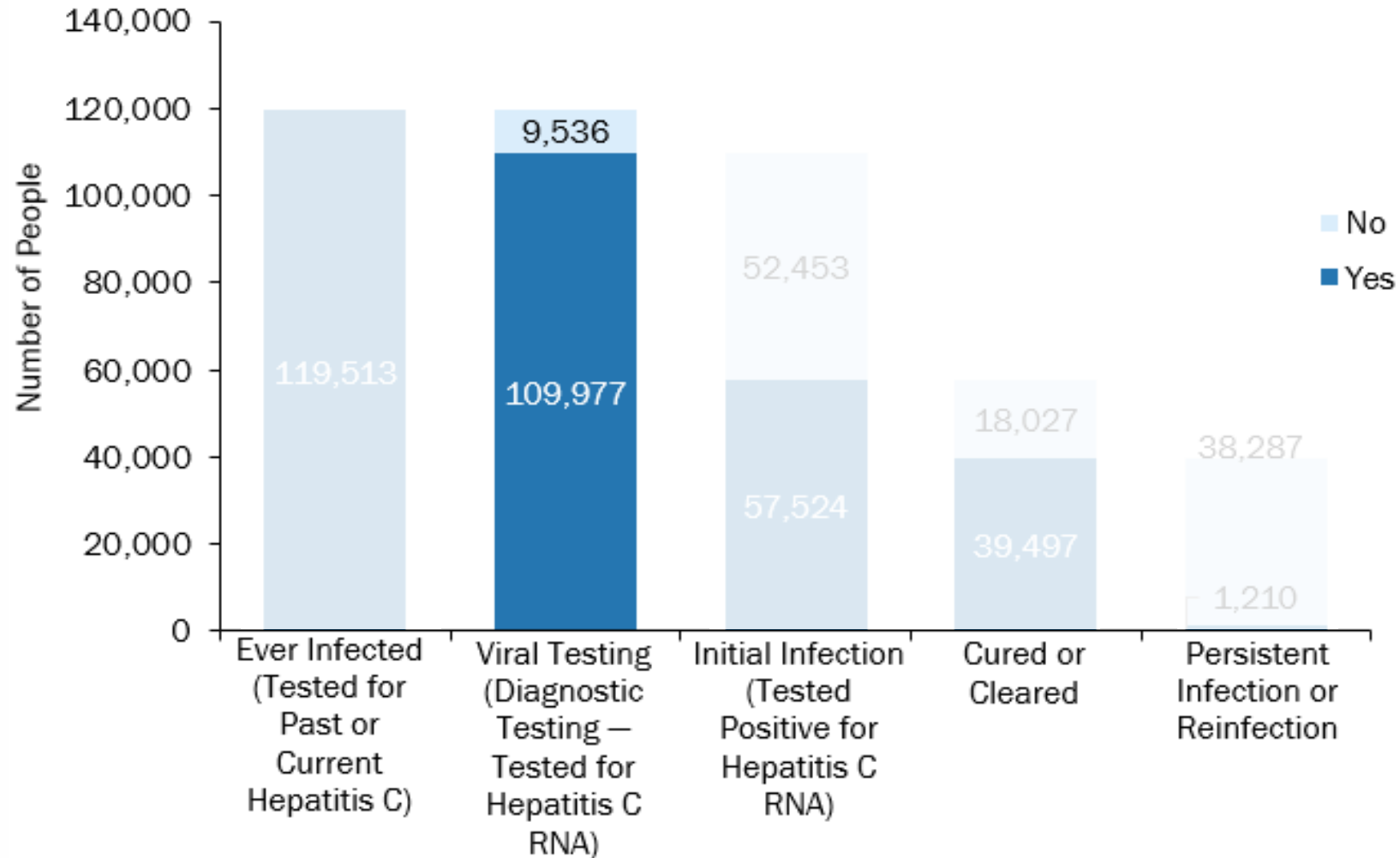
# Hepatitis C Clearance Cascade in New York City, 2022



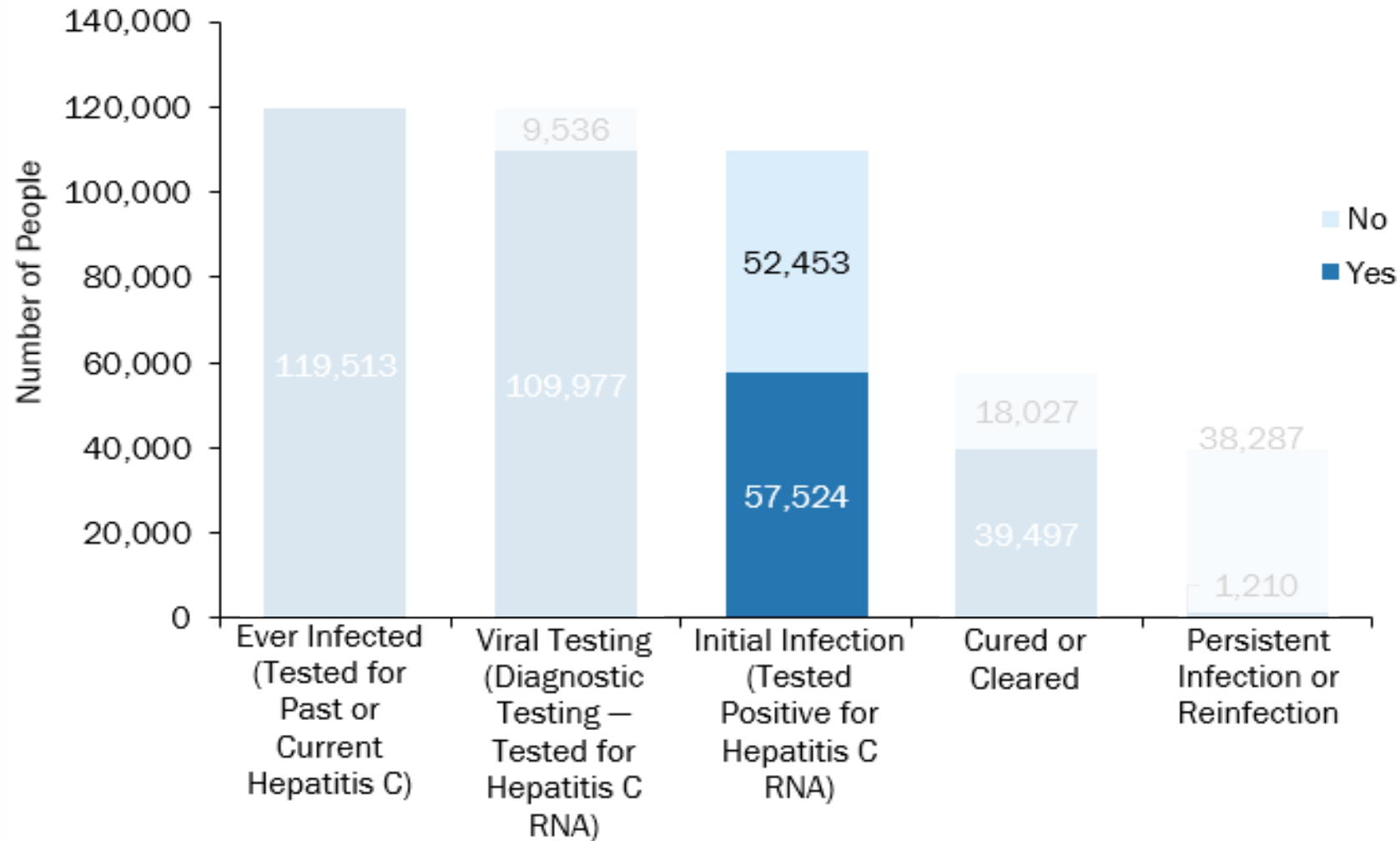
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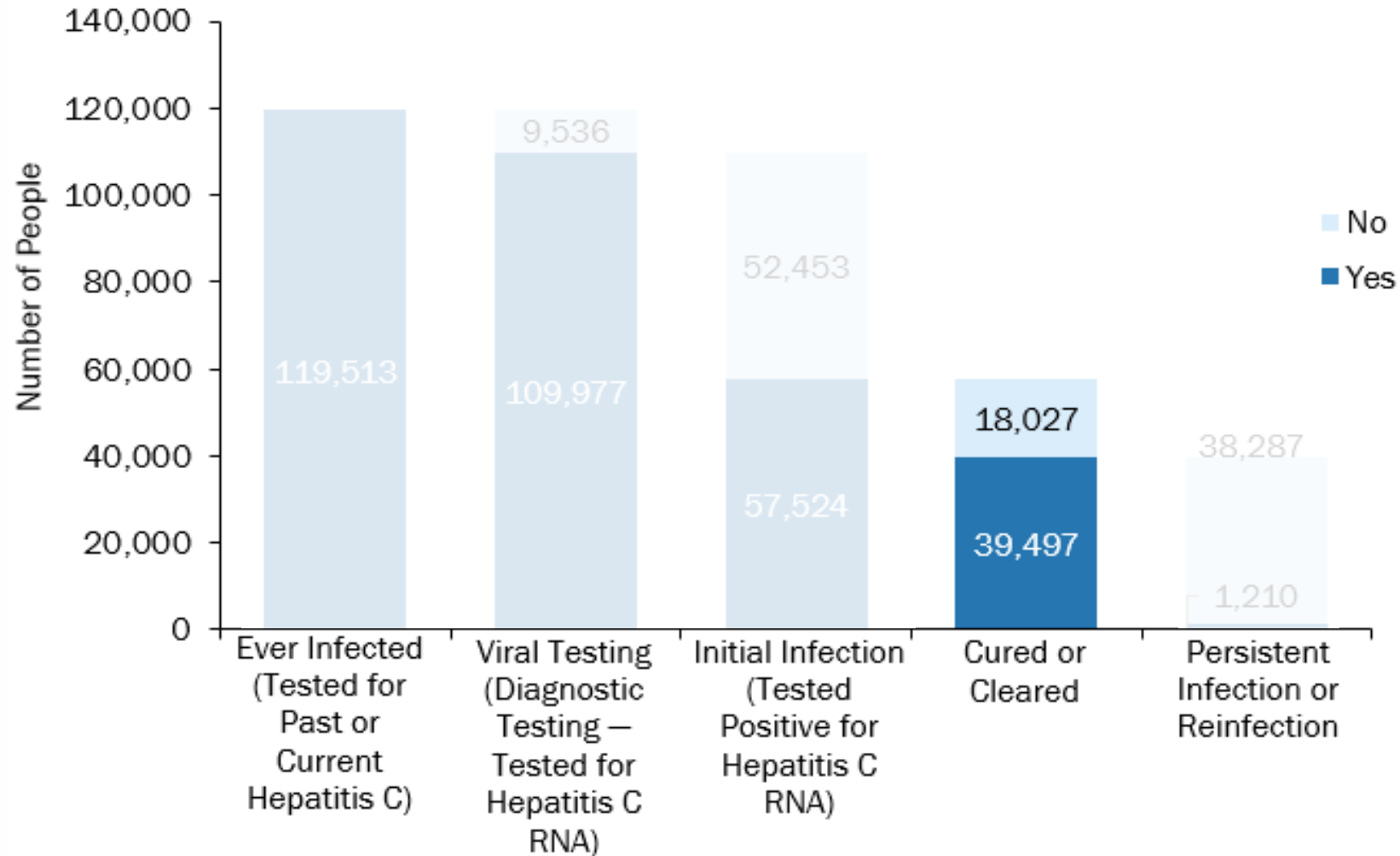
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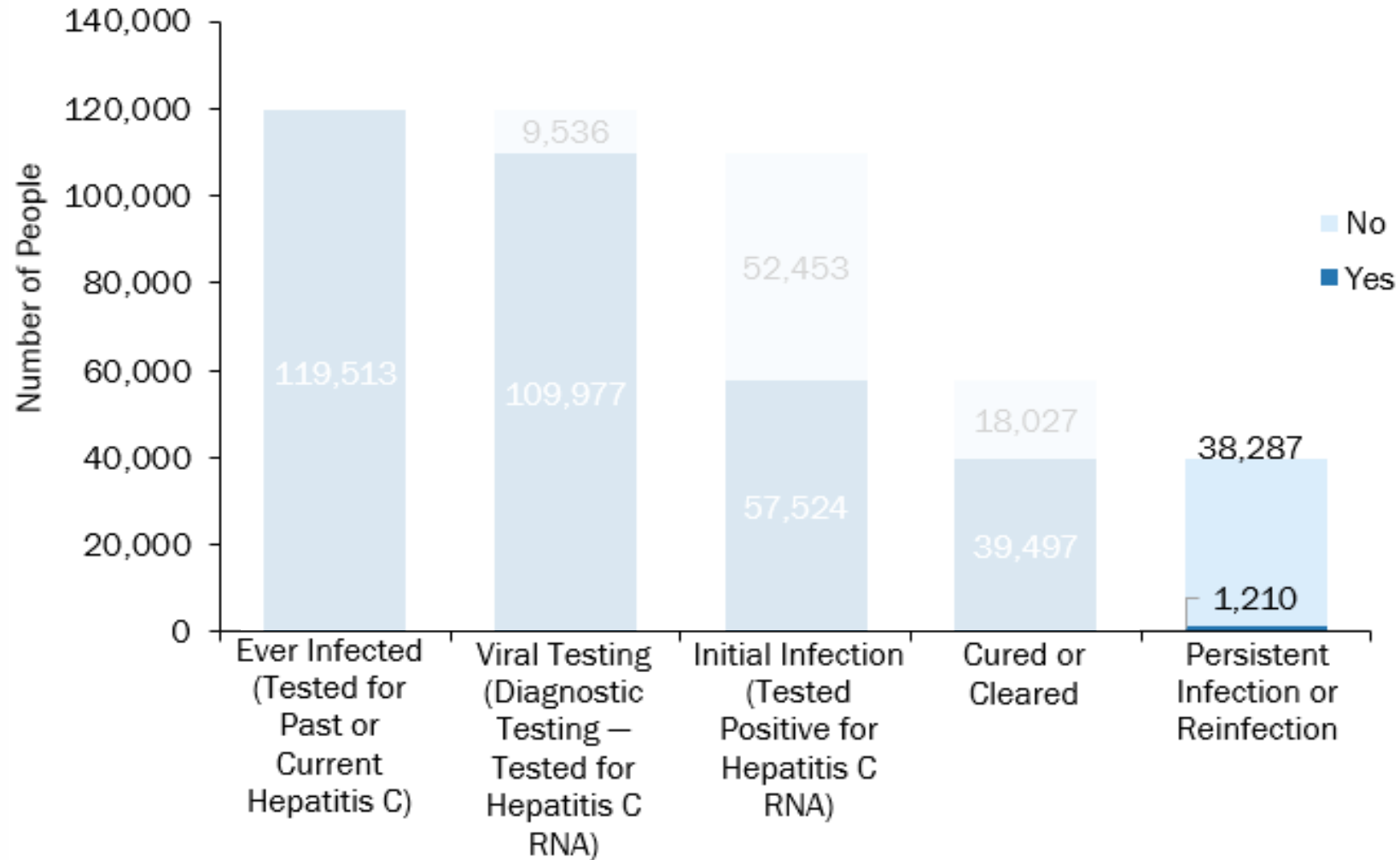
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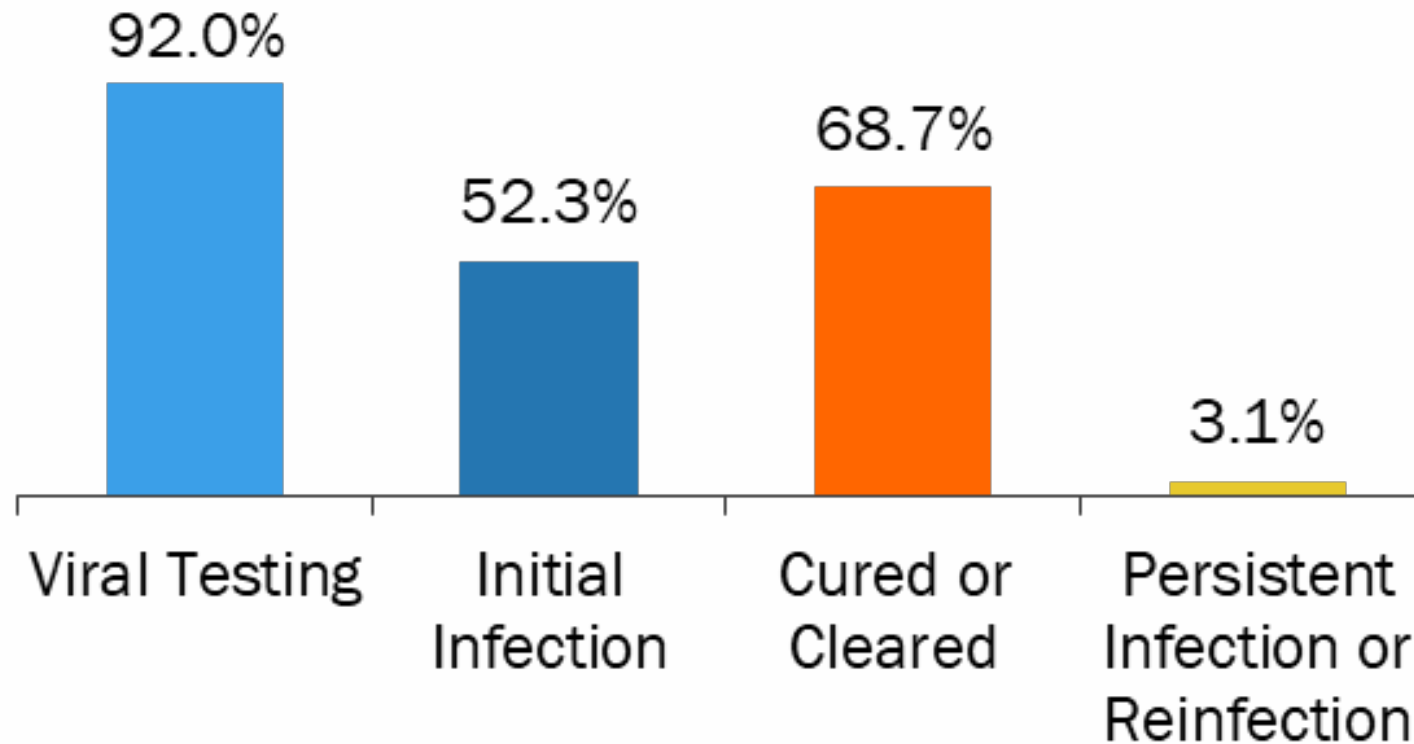


# Hepatitis C Clearance Cascade in New York City, 2022



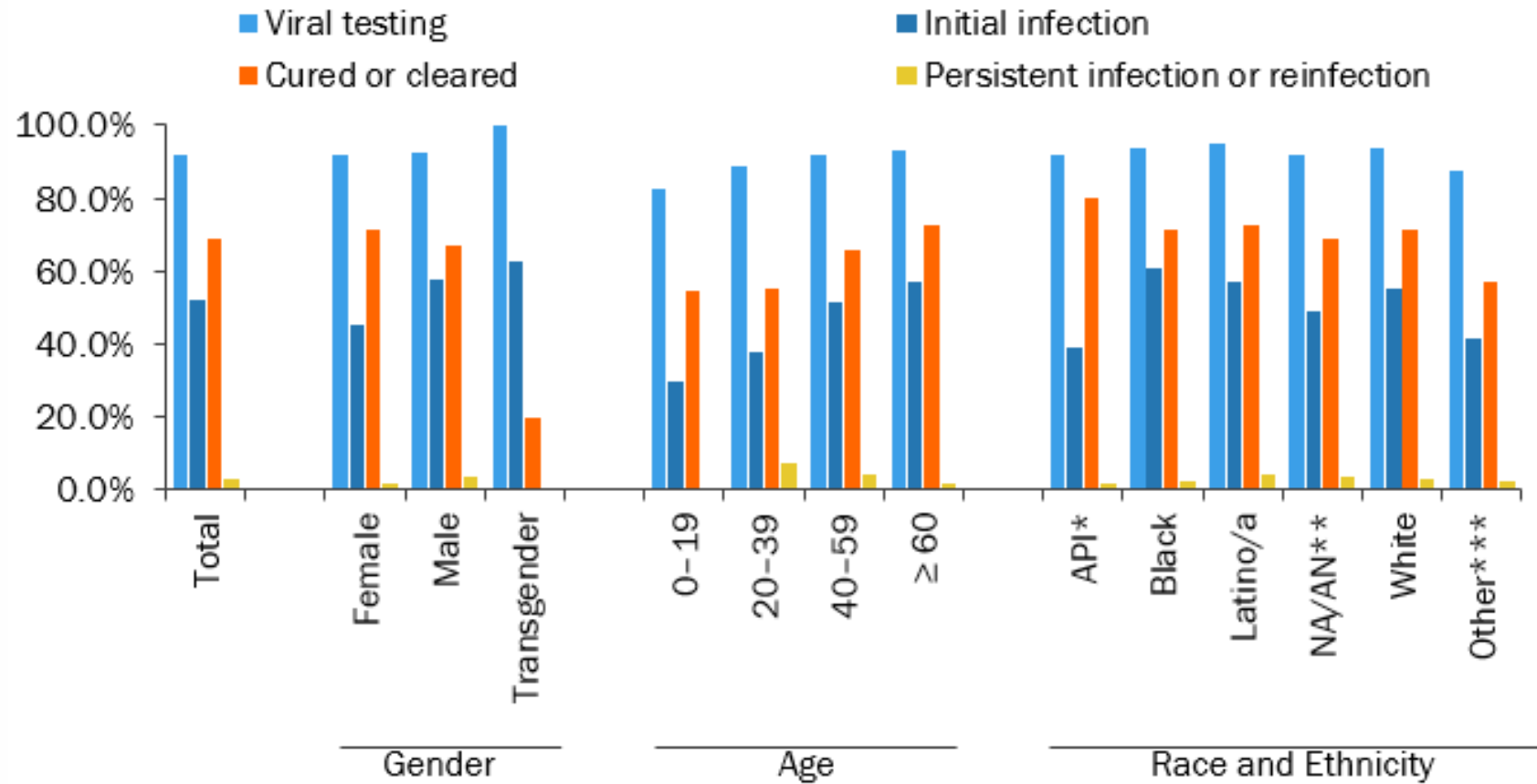
# Hepatitis C Clearance Cascade in New York City, 2014-2021

Conditional proportions at each stage of the cascade among people who were ever infected with hepatitis C in New York City, July 2014–December 2021 (N=119,513)



# Hepatitis C Clearance Cascade in New York City, 2014-2021

Conditional proportions for laboratory-based hepatitis C virus clearance cascade for New York City by gender, age, and race and ethnicity, July 2014–December 2021

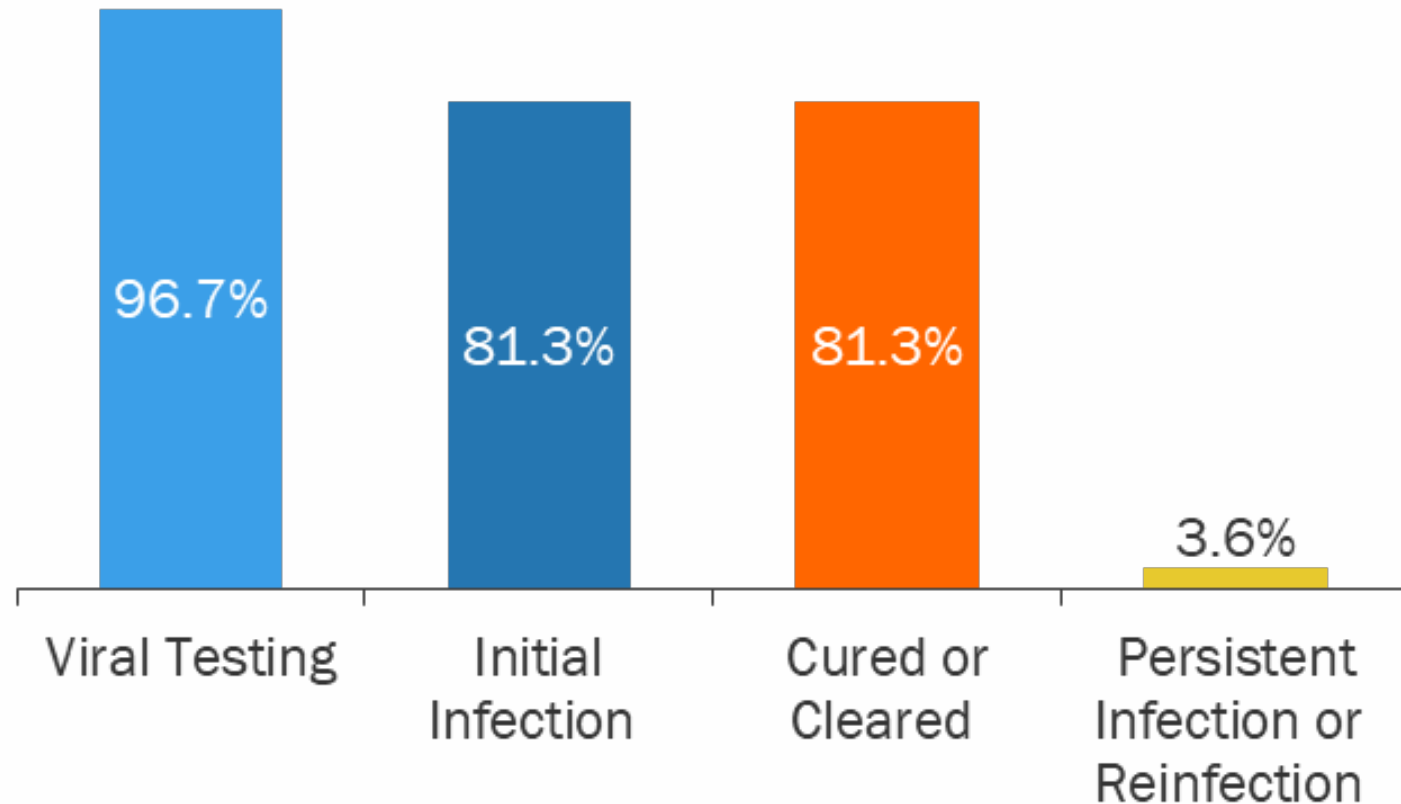


\*Asian/Pacific Islander;  
 \*Native American or Alaska Native;  
 \*\*\*Unknown



# Hepatitis C and HIV Coinfection in New York City, 2014-2022

Conditional proportions at each stage of the laboratory-based hepatitis C virus clearance cascade for 9,925 people with HIV ever infected with hepatitis C in New York City, July 2014–December 2022



# Hepatitis C Reinfection in New York City, 2022

- The NYC Health Department identified **139** people reported with a positive hepatitis C RNA test in 2021 after cure.
- The NYC Health Department determined through provider interviews and chart reviews that of those 139 people, 113 (**81%**) had been reinfected with hepatitis C
- Of people with a hepatitis C reinfection:
  - **28%** were reinfected **one year or less** from their estimated cure date
  - **84%** reported ever using **intranasal or injection drugs**

**76%**

Percentage of people living with hepatitis C reinfection in NYC who are male

**45**

Median age of people living with hepatitis C reinfection in NYC

# Deaths Where Hepatitis C is Listed as an Underlying Cause in New York City, 2021

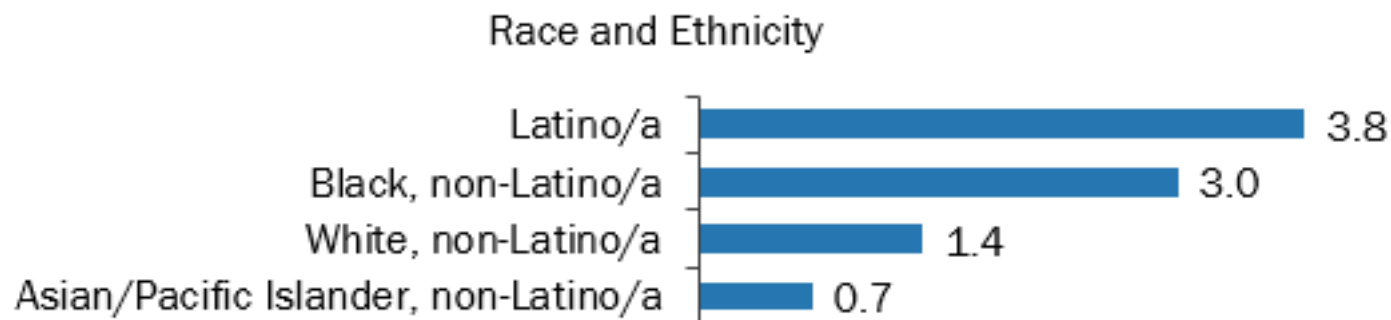
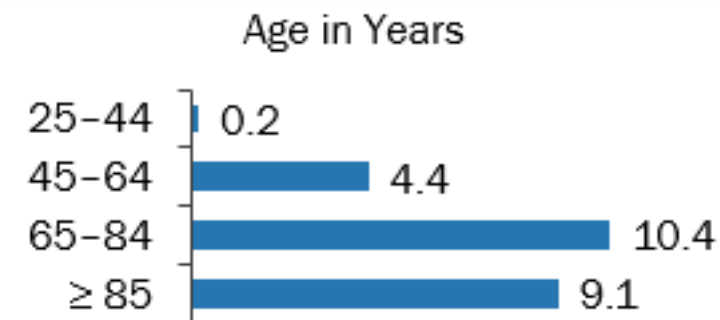
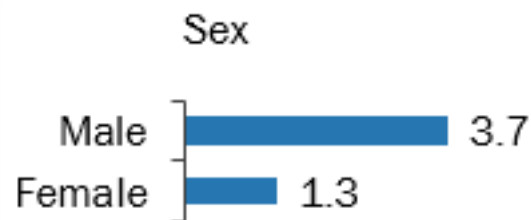
240

Number of deaths

2.4

Age-adjusted rate per 100,000

Age-Adjusted Death Rate Per 100,000 Among New York City Residents Where Hepatitis C is Listed as the Cause of Death in 2021



# Thank You!

## Viral Hepatitis Program's Surveillance Unit in the NYC Health Department's Bureau of Hepatitis, HIV, and Sexually Transmitted Infections

- Adeeba Khan
- Alexis Brenes
- Ajya Sah
- Christina Hwang
- Cynthia Ortigoza
- Holly Anger
- Jackilyn Rivera
- Kavita Misra
- Kelly Huang
- Kevin Madera
- Liz Tang

## Viral Hepatitis Program in the NYC Health Department's Bureau of Hepatitis, HIV, and Sexually Transmitted Infections

- Alma Chaves
- Diana Diaz Muñoz
- Farma Pene
- Leandra Ureña
- Marie Bresnahan
- Rahel Yosief
- Sarah Ahmed
- Shamar Small
- Umaima Khatun
- Versalle Shelton

# Questions?

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