



HIV & Hep C Consult Line

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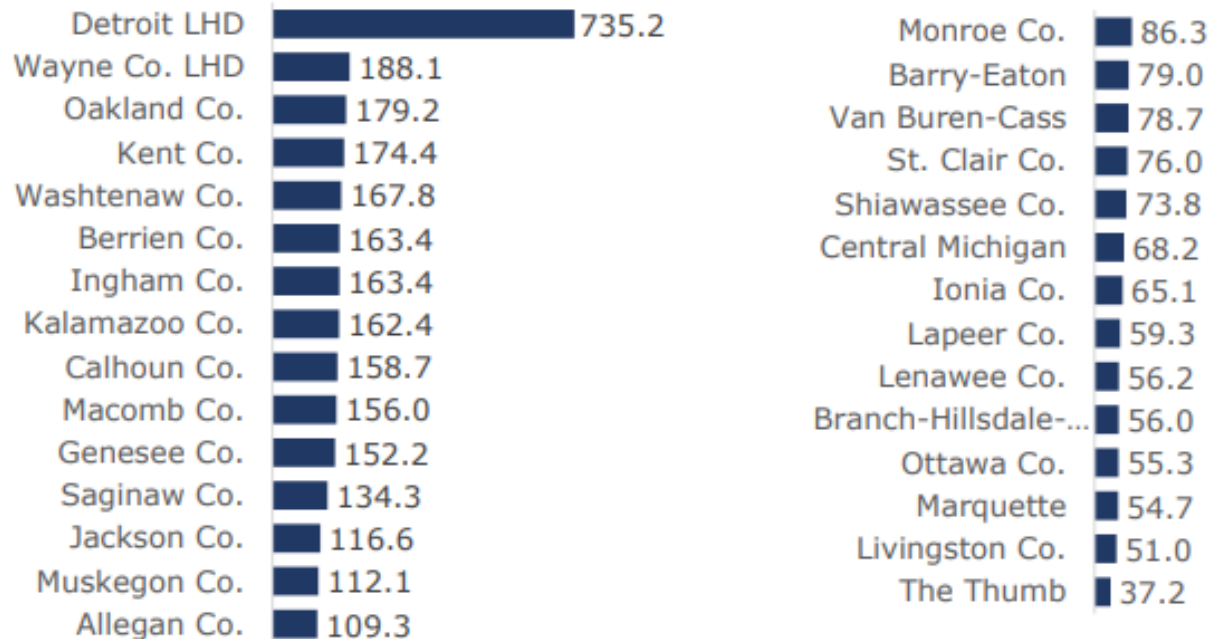
HIV in Michigan

- 16,937 cases of HIV in Michigan
- 11,950 in Detroit EMA
- Most new cases in 15-29 yo black MSM
- 7 in 10 new DX have seen a PCP in the last 12 month
- Average time to DX is 3 years

HIV in Michigan

- Wayne County is named as one of 48 counties in the US with ongoing high prevalence
- 11 Counties in rural Mid-Michigan are on the CDC watch list as being very vulnerable to HIV cluster outbreak

HIV Prevalence Rates



Branch-Hillsdale-... also includes St. Joseph County

Central Michigan includes all otherwise unlisted counties in the lower peninsula.

Detroit LHD includes the cities of Detroit, Hamtramck, Harper Woods, Highland Park, & the Grosse Pointes.

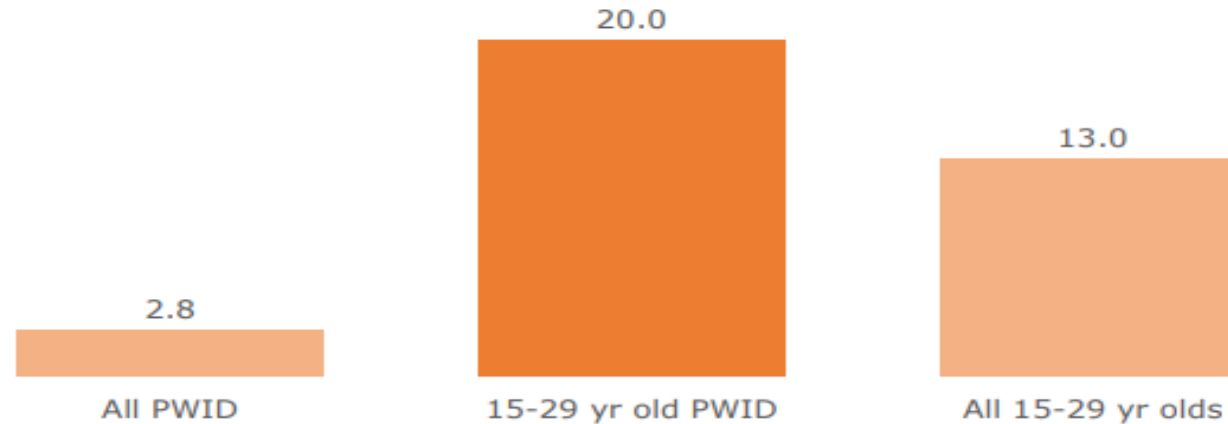
Marquette includes the entire upper peninsula.

The Thumb includes Huron, Sanilac, and Tuscola Counties

Wayne Co. LHD includes residents of Wayne Co. outside the Detroit LHD Jurisdiction

Extremely high HTR for Young PWID's

Michigan HIV Transmission Rates (HTR) by age and risk



On this slide, PWID includes PWID alone and PWID/MSM.

Though the proportion of PLWH who inject drugs increases with age, transmissions among PWID is mainly occurring within young populations. The transmission rate is extremely high among 15-29 yr old PWID. Compared to all PWID's, the transmission rate is 10 times higher for young PWID, and compared to youth in general (who already have a very high HTR compared to older persons) young PWID's have a 54% higher rate of transmissions. Young PWID are very closely monitored as this group is at risk for an HIV outbreak, and resources are in place to prevent further increases in transmissions.

When underlying population counts are unknown (such as with PWID), the HTR is the only measure standardized for comparison with other groups.

- Recent time space cluster of HIV in rural Upper Michigan
- These transmissions were not IVDU related
- Many of the individuals infected were not diagnosed until stage 3

Factors that are relevant in rural Michigan

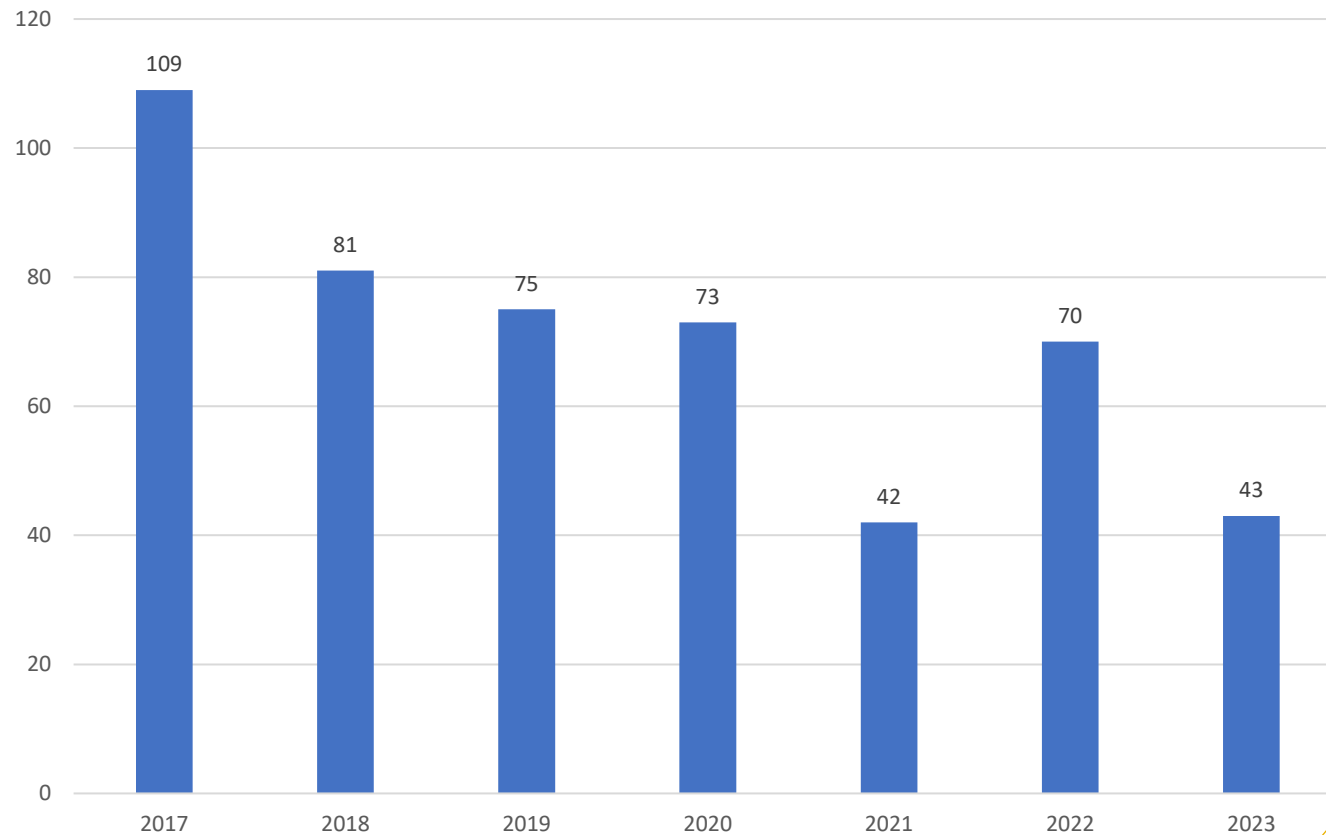
- Lack of HIV providers
- Lack of Primary care providers
- Geographic
- Access to medication

Factors to consider in SUD setting

- What are risks for HIV transmission ?
- Can I do anything to prevent this ?
- Do I have the tools I need ?

HIV Consult Line

Calls over the years



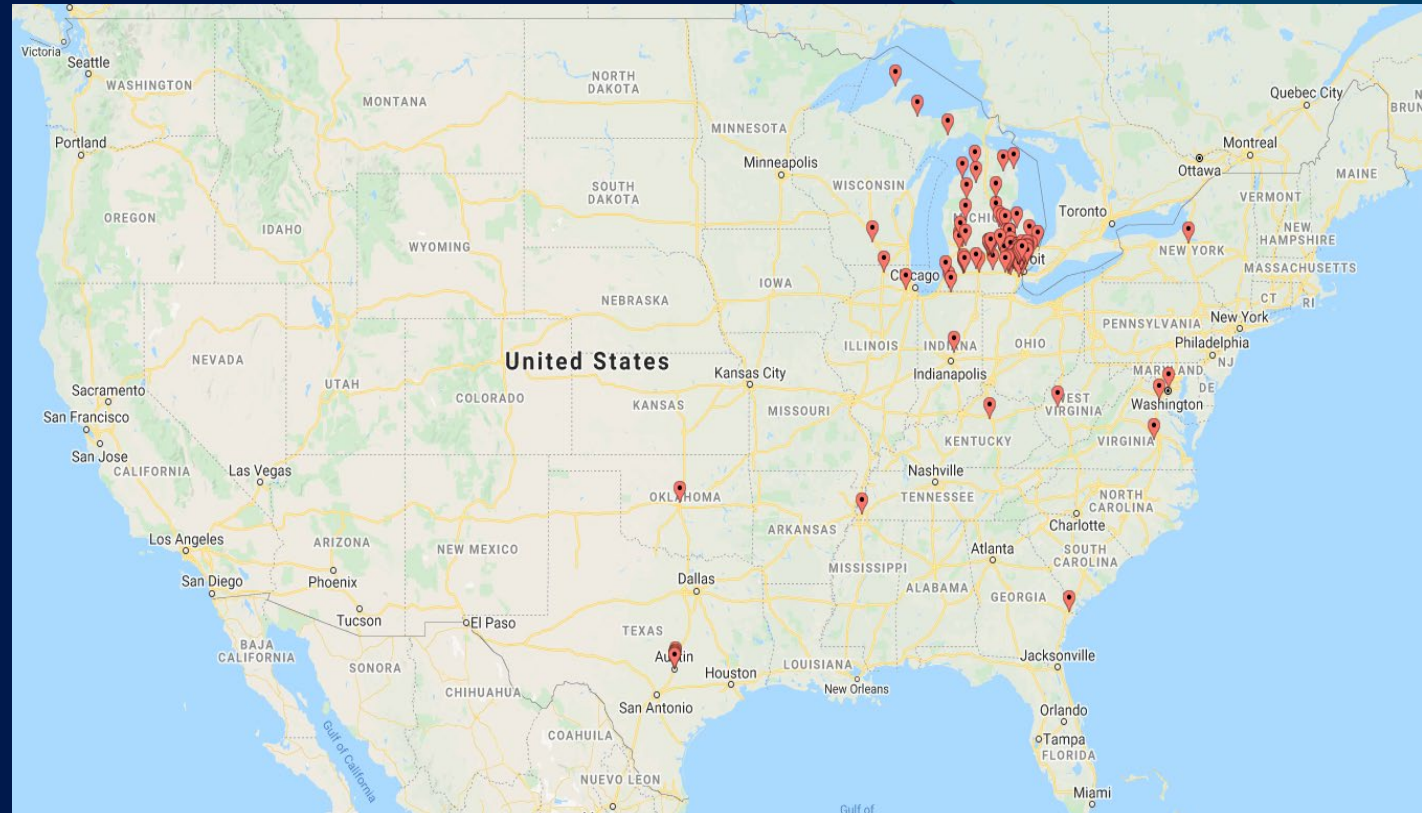
Cumulative Data Breakdown: HIV Line

139 unique zip codes calls originated from

25 out of state zip codes

26 with rural designation

96 in areas of primary care shortage



HEP C Data Breakdown

55 Calls April 2021- June 2023

43 providers

26 unique zip codes

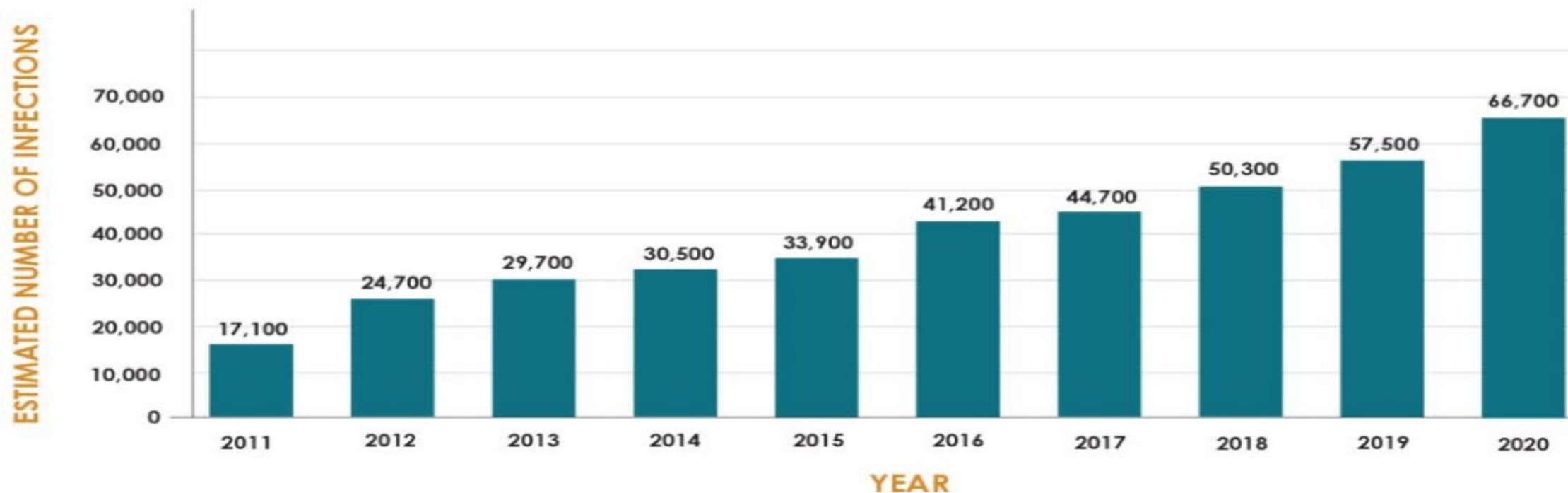
- 35% rural designation
- 88% areas of primary care shortage

Why is this important?

- The Viral Hepatitis National Strategic Plan for the United States calls for $\geq 80\%$ of persons with hepatitis C to achieve viral clearance by 2030. Assessing progress toward elimination goals requires monitoring hepatitis C virus (HCV) clearance..
- Approximately 2.4 million adults were estimated to have hepatitis C virus (HCV) infection in the United States during 2013–2016

Estimated Number of Acute Hepatitis C

ESTIMATED NUMBER OF ACUTE HEPATITIS C VIRUS INFECTIONS, 2011-2020



Source: Centers for Disease Control and Prevention, Viral Hepatitis Surveillance – United States, 2020

For more information, visit
cdc.gov/nchhstp/newsroom



U.S. Department of
Health and Human Services
Centers for Disease
Control and Prevention

Hepatitis C in Michigan

- In 2021 there were 129 new acute hepatitis C cases in Michigan.
- Nearly 83% of all the acute hepatitis C cases in 2021 were among White/Caucasians.
- In 2021 there were 4412 chronic hepatitis C cases in Michigan.
- Highest rate of chronic infection was among our indigenous population in 2021.

Acute Hep C by Risk

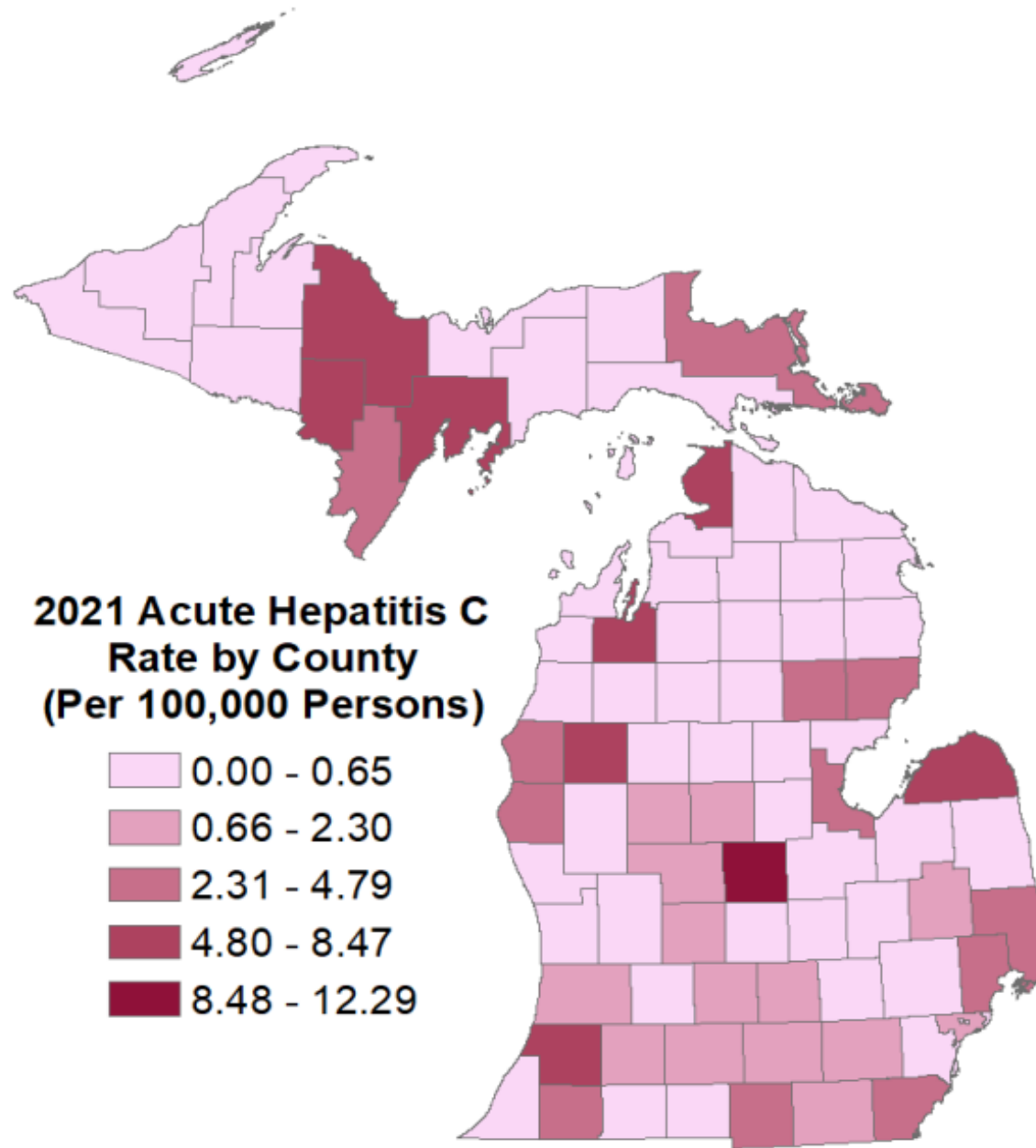
Table 4.4b Response of Completed Acute Hepatitis C Reports* by Risk Behavior, Michigan, 2021

Risk Behavior	Yes*	No*	Unknown*	Yes Responses U.S. Wide 2019
Injection Drug User	50%	37%	13%	66.70%
Used Street Drugs	48%	31%	21%	
Hemodialysis	3%	71%	26%	4.66%
Received Blood Products	5%	58%	36%	0.27%
Received a Tattoo	24%	34%	42%	
Accidental Needle Stick	6%	51%	43%	9.31%
Contact of Person with Hepatitis C	18%	26%	56%	7.56%
Other Surgery	16%	54%	30%	16.78%
Oral Surgery or Dental Work	11%	49%	41%	
Employed in Medical Field	6%	61%	33%	0.54%
Employed as Public Safety Officer	0%	70%	30%	-
Incarceration Longer than 6 Months	25%	34%	36%	-
Any Part of Body Pierced (other than ear)	8%	48%	44%	-

* Percentages calculated based upon those who completed the field; excludes missing data

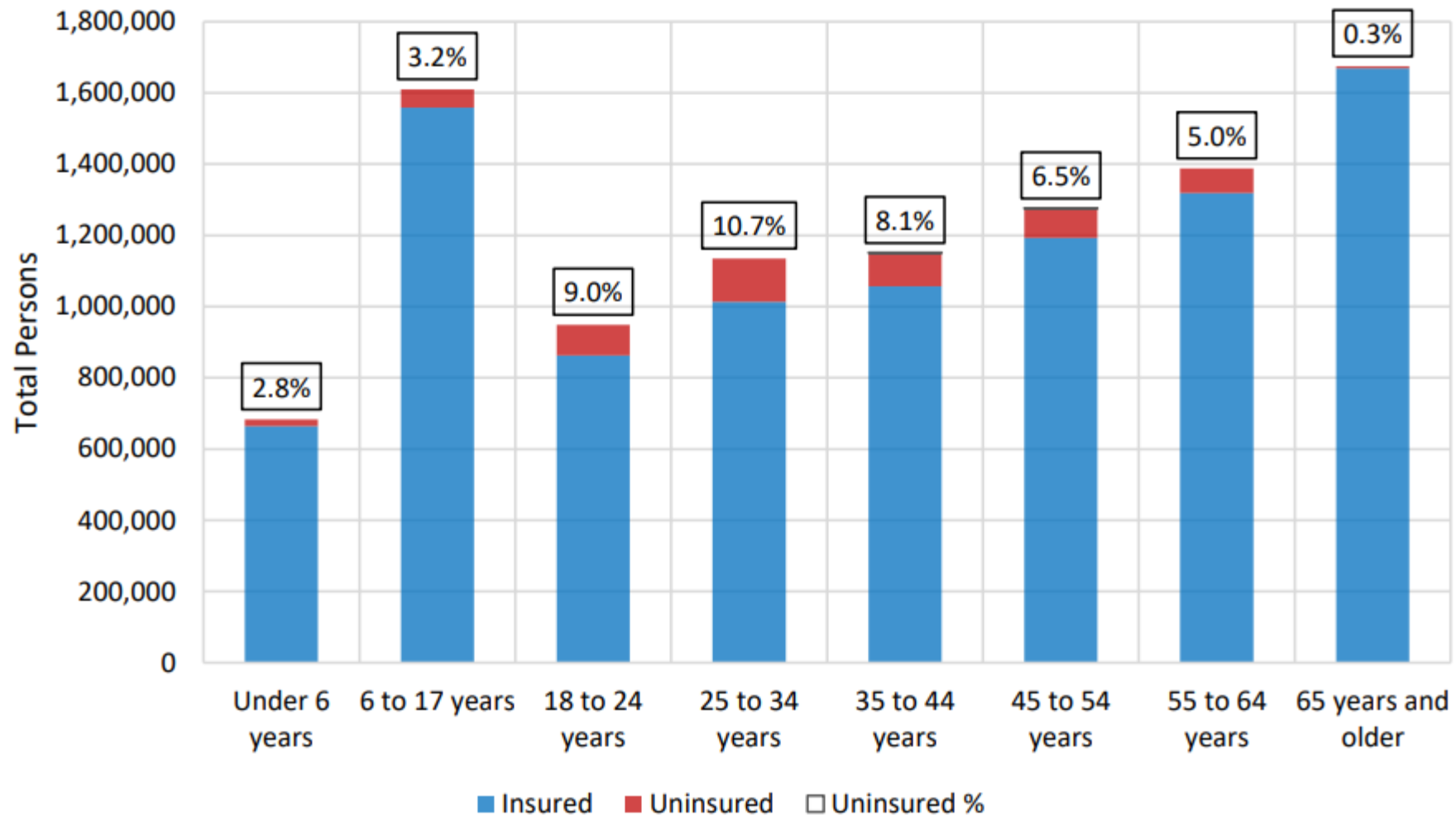
Table 4.4b shows the responses among the completed questions by risk behavior. Injection drug use stands out as the predominant risk for acquiring HCV infection, as is reported in the literature, and similar to reports from previous years.

Acute Hepatitis C Rate Maps by County and Local Health Jurisdiction

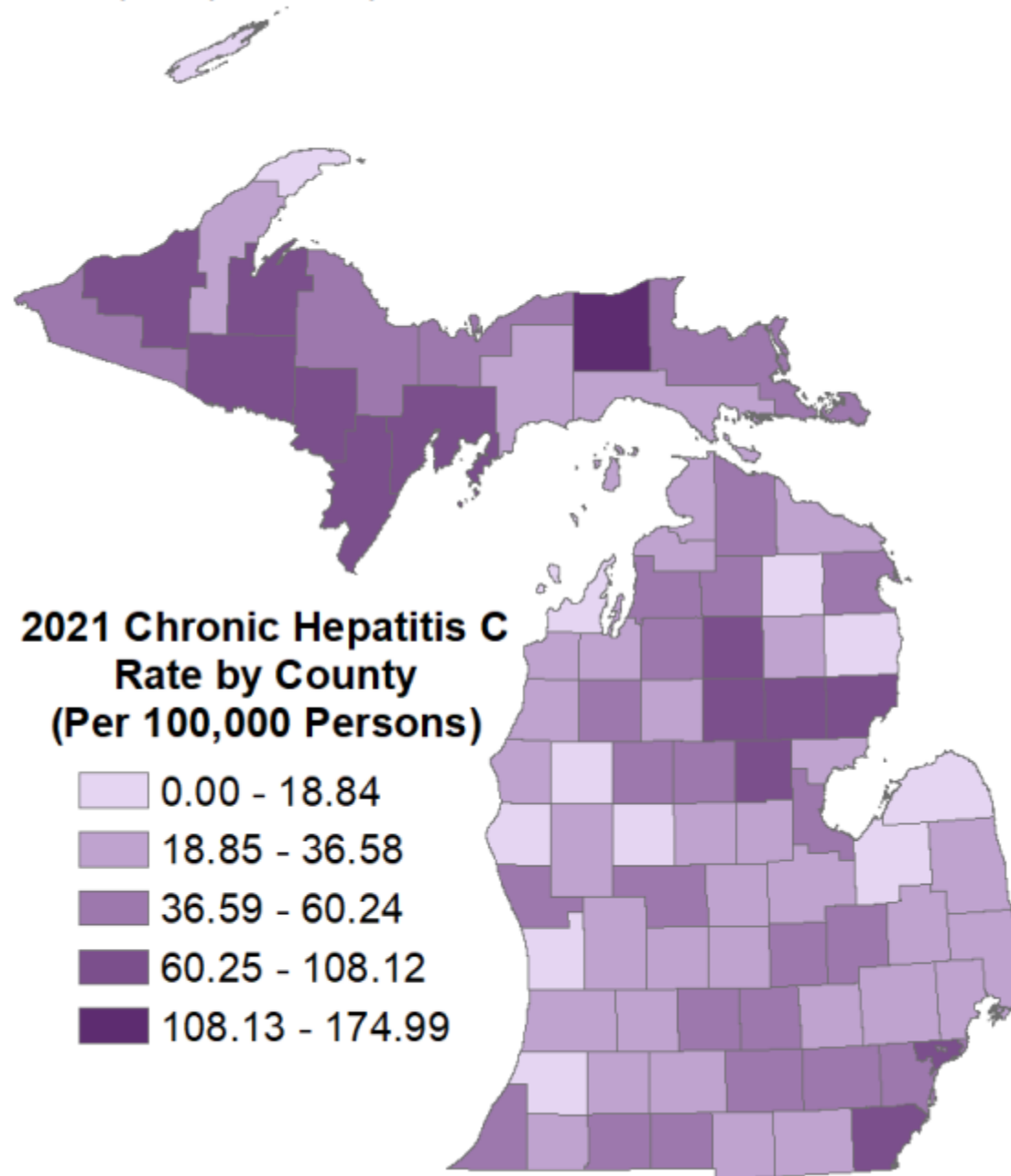


- Of the 1 million cases the CDC looked at from 2013-2022 only one third were cleared of virus.
- “HCV viral clearance rates were lowest among these uninsured individuals under 40 years, a group that also has the highest proportion of new HCV infections.”

Figure 1.6 Michigan Population by Age Group, Proportion Insured, and Percent Uninsured, 2020



Chronic Hepatitis C Rate Maps by County and Local Health Jurisdiction



We Must Increase Treatment

- National Academies of Sciences, Engineering, and Medicine's estimate that at least 260,000 people should be treated annually to eliminate hepatitis C by 2030.
- CDC data show, that from 2014 to 2020, an average of 171,000 people were treated with DAAs in the U.S. each year.

- Individuals at various stages of opioid recovery, including people who report recent illicit drug use have SVR rates greater than 90%.
- This is a key step in reducing transmission of virus.
- Medicaid no longer requires sobriety tests for people wanting DAA.
- [We Treat Hep C \(michigan.gov\)](http://michigan.gov)

Questions?



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MDHHS
Michigan Department of
Health and Human Services

HIV and Hepatitis C Consult Program

Provider to Provider Advice on
HIV and Hepatitis C Diagnosis,
Management and Prevention

henryford.com/HIVconsult
For urgent questions: 313.575.0332

Consults provided by Henry Ford Hospital
Infectious Diseases Experts

References:

[CDC Study Finds “Jarringly” High Rates of Uncured Hepatitis C \(contagionlive.com\)](#) 7/13/2023

[Hepatitis C: By the Numbers | Fact Sheets | Newsroom | NCHHSTP | CDC](#) 7/15/2023

[Hepatitis C Virus Clearance Cascade — United States, 2013–2022 | MMWR \(cdc.gov\)](#) 7/13/2023

[2021-Annual-Report_v1.pdf \(michigan.gov\)](#) 7/15/2023

[Hepatitis C Online \(uw.edu\)](#) 7/15/2023

[Report Slides, 2021 \(michigan.gov\)](#) 7/15/2023