

Viral Hepatitis Program Response in an HIV Outbreak

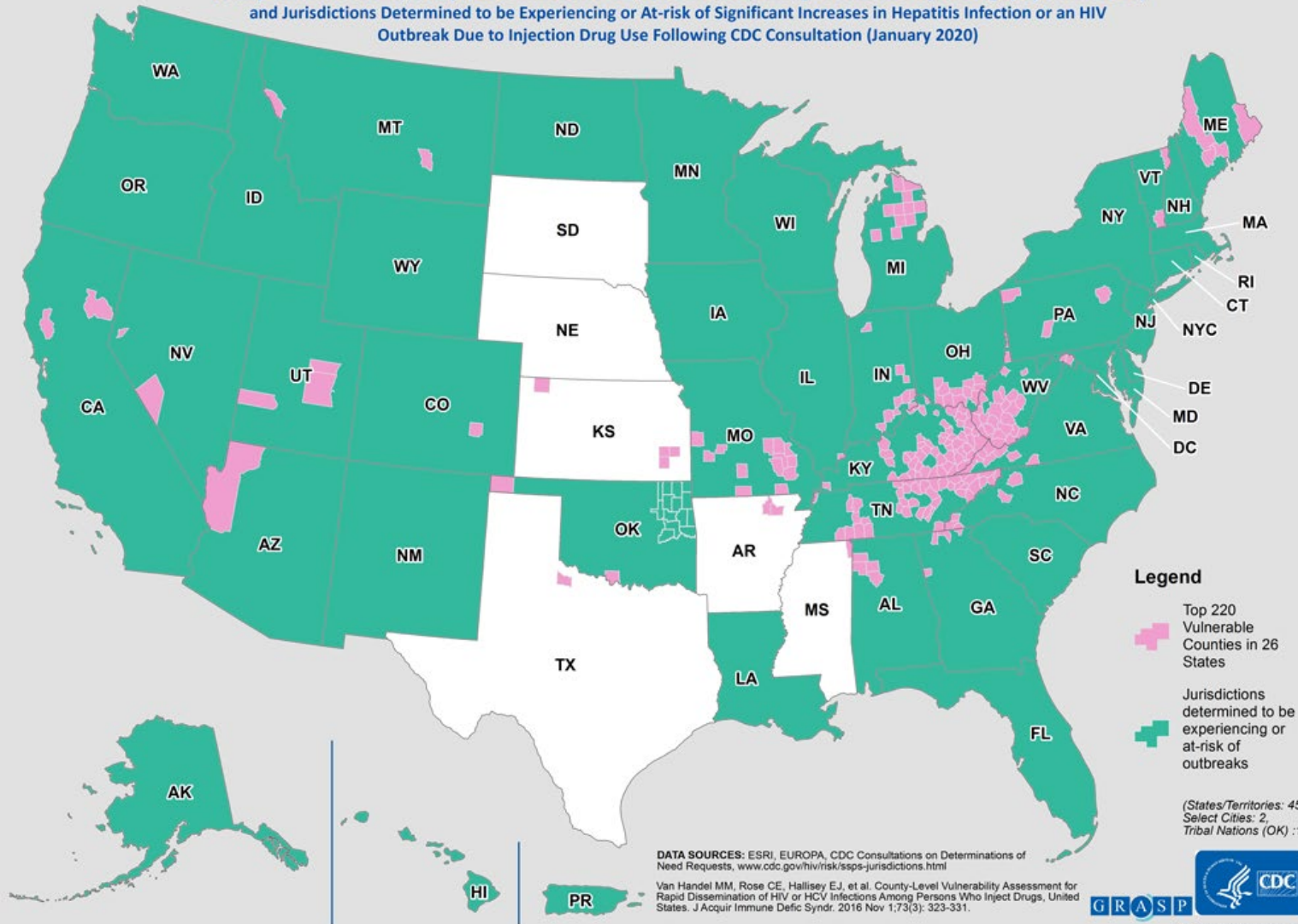
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Counties At-Risk of Outbreaks

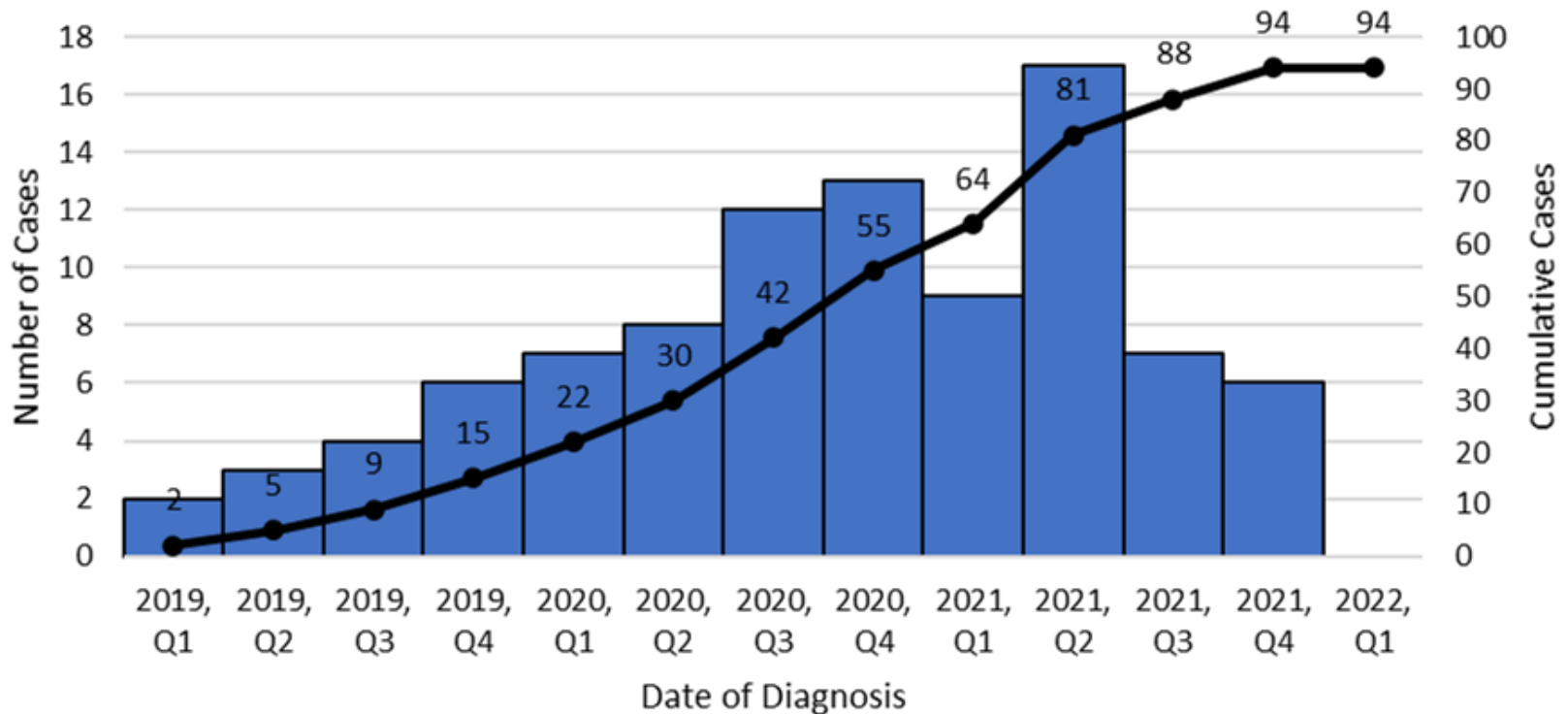
Vulnerable Counties and Jurisdictions Experiencing or At-Risk of Outbreaks

County-level Vulnerability to Rapid Dissemination of HIV/HCV Infection Among Persons who Inject Drugs (September 2015)
and Jurisdictions Determined to be Experiencing or At-risk of Significant Increases in Hepatitis Infection or an HIV
Outbreak Due to Injection Drug Use Following CDC Consultation (January 2020)



Outbreak Investigation

Number of new HIV Diagnoses by Quarter,
Kanawha County, 1/1/19-1/13/2021



Outbreak case definition criteria:

1. Confirmed HIV diagnoses on or after January 1, 2019.
2. Lived in Kanawha County at time of diagnosis.
3. Reported injection drug use.

Hepatitis Program's Response

Defined
the
Inclusion
Criteria

Entered
Kanawha
County
Hepatitis
Paper Lab
Reports
into the
Registry

Abstracted
Medical
Records
and Public
Health
Registries
Data

Entered
De-
identified
Data into a
RedCap
Database

Analyzed
and Shared
Findings

Viral Hepatitis Key Findings



Almost all case-patients were seropositive for hepatitis C virus (HCV) infection

HCV diagnosis preceded HIV diagnosis for 82%

History of hepatitis A virus or hepatitis B virus infection was detected only among persons also seropositive for HCV infection

Many case-patients had no evidence of receiving hepatitis A and hepatitis B vaccines

Select Hepatitis Recommendations

Co-occurring health conditions and social conditions

- Improve access to HIV, hepatitis C, substance use, mental health services through service integration

Implement opt-out HIV and HCV screening

- Implement opt-out rapid HIV and HCV testing during intake in correctional settings
- Increase routine, opt-out HIV and HCV screening in hospital settings

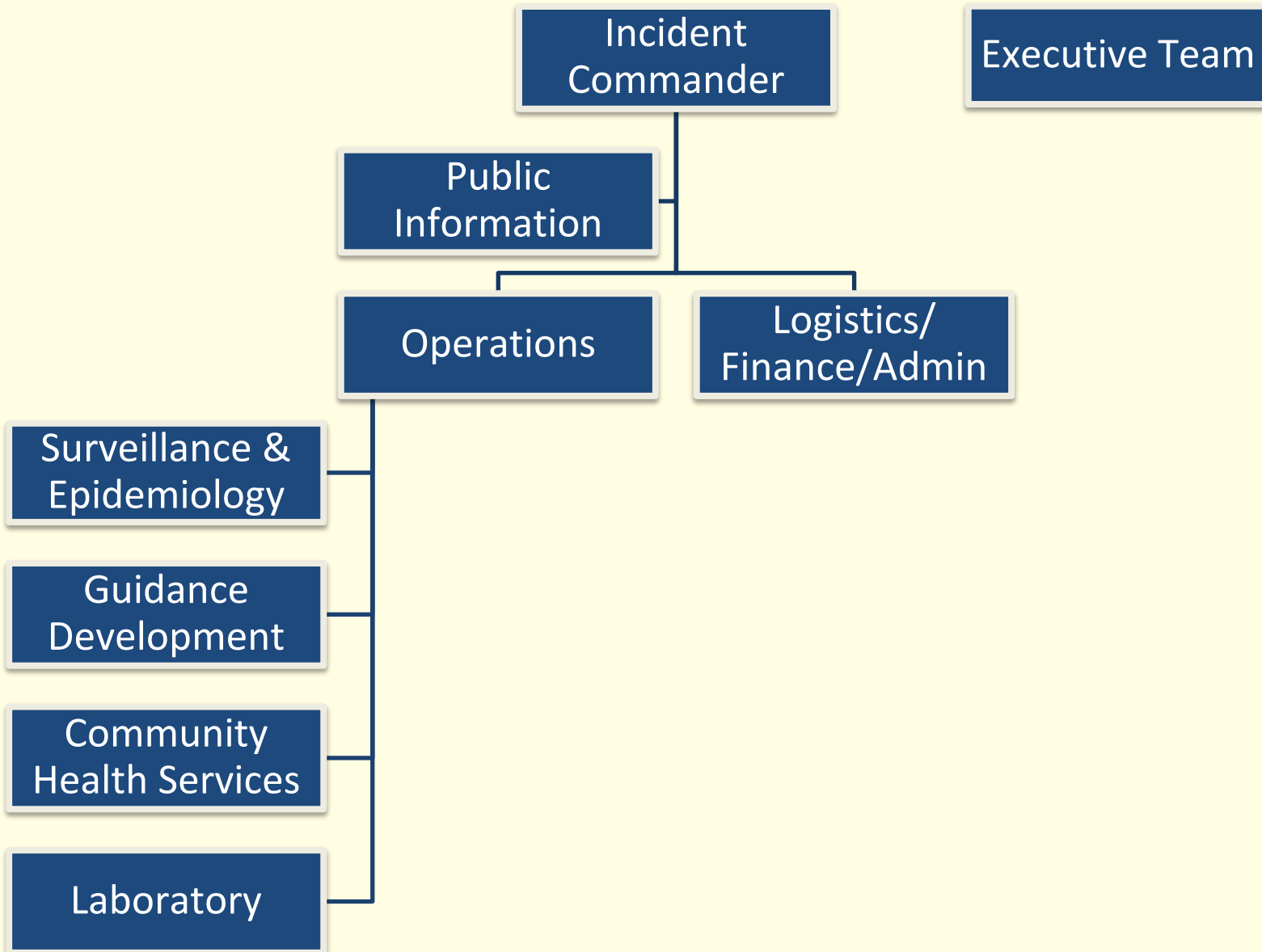
Adequately address service needs for PWID

- Utilize existing public health data to better characterize the size of the PWID community
- Use data to prioritize counties for enhanced testing and service expansion activities

Develop and implement an outbreak response structure

- Include key staff inside and outside the health department
- Establish data-driven response objectives and targets

Response Structure



New Opportunities



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