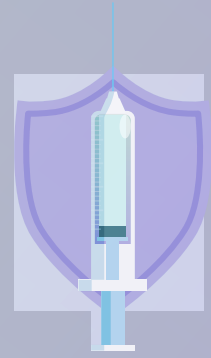
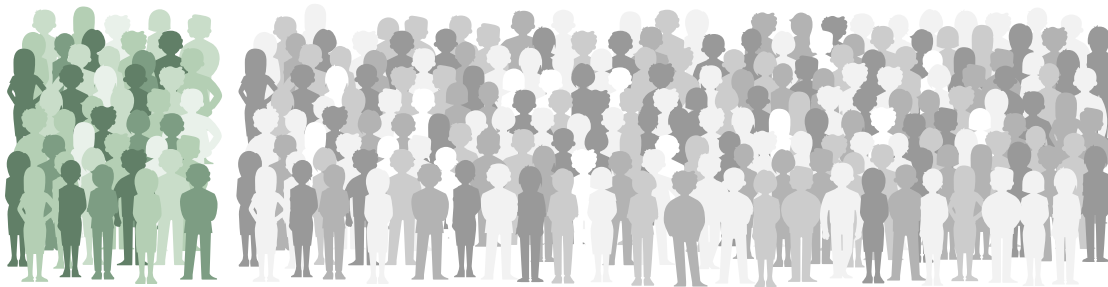


# Estimating herd immunity thresholds for hepatitis A: A 16-state analysis to inform vaccination strategies among people who inject drugs (PWID)



New CAMP research led by UCSD's Dr. Natasha Martin and published in *Clinical Infectious Diseases* estimates vaccination coverage needed among people who inject drugs to prevent hepatitis A outbreaks.

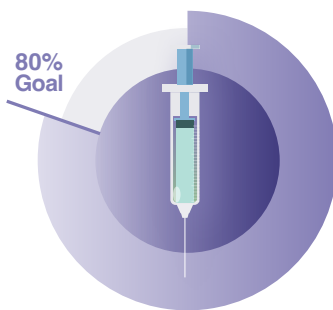


Vaccination coverage among people who inject drugs (PWID) remains low, and with more than half of PWID estimated to be at risk for hepatitis A infection, understanding vaccination coverage required to prevent future outbreaks among this population is critical.

Using surveillance data from 16 states with reported hepatitis A outbreaks associated with transmission among people who inject drugs, this research estimates herd immunity thresholds among PWID in these states to inform future vaccine policy and implementation.

## Key Findings\*

In the 16 states examined, **vaccination coverage of at least 80%\*\* may be needed** to reliably prevent hepatitis A outbreaks among PWID.



**High population immunity** is necessary to prevent outbreaks among PWID, emphasizing the need for enhanced implementation of vaccination strategies in this population.



\* Data used to inform this work come from the following states: Alabama, Arkansas, Florida, Indiana, Kentucky, Louisiana, Massachusetts, Mississippi, New Mexico, New York (excluding New York City), North Carolina, Ohio, Tennessee, Utah, Virginia, and West Virginia.

\*\* While this is an estimate based on the upper bound of the model, there were states with higher values (e.g., West Virginia) that may require higher vaccination coverage.

Published Article: <https://ora.ox.ac.uk/objects/uuid:ac47cbac-e945-475b-9c1d-86e5e1c15ca2>

