



NASTAD's Prevention and Surveillance  
Virtual Learning Collaborative

# Hepatitis A

Brandi Taylor, Epidemiologist  
Ohio Department of Health

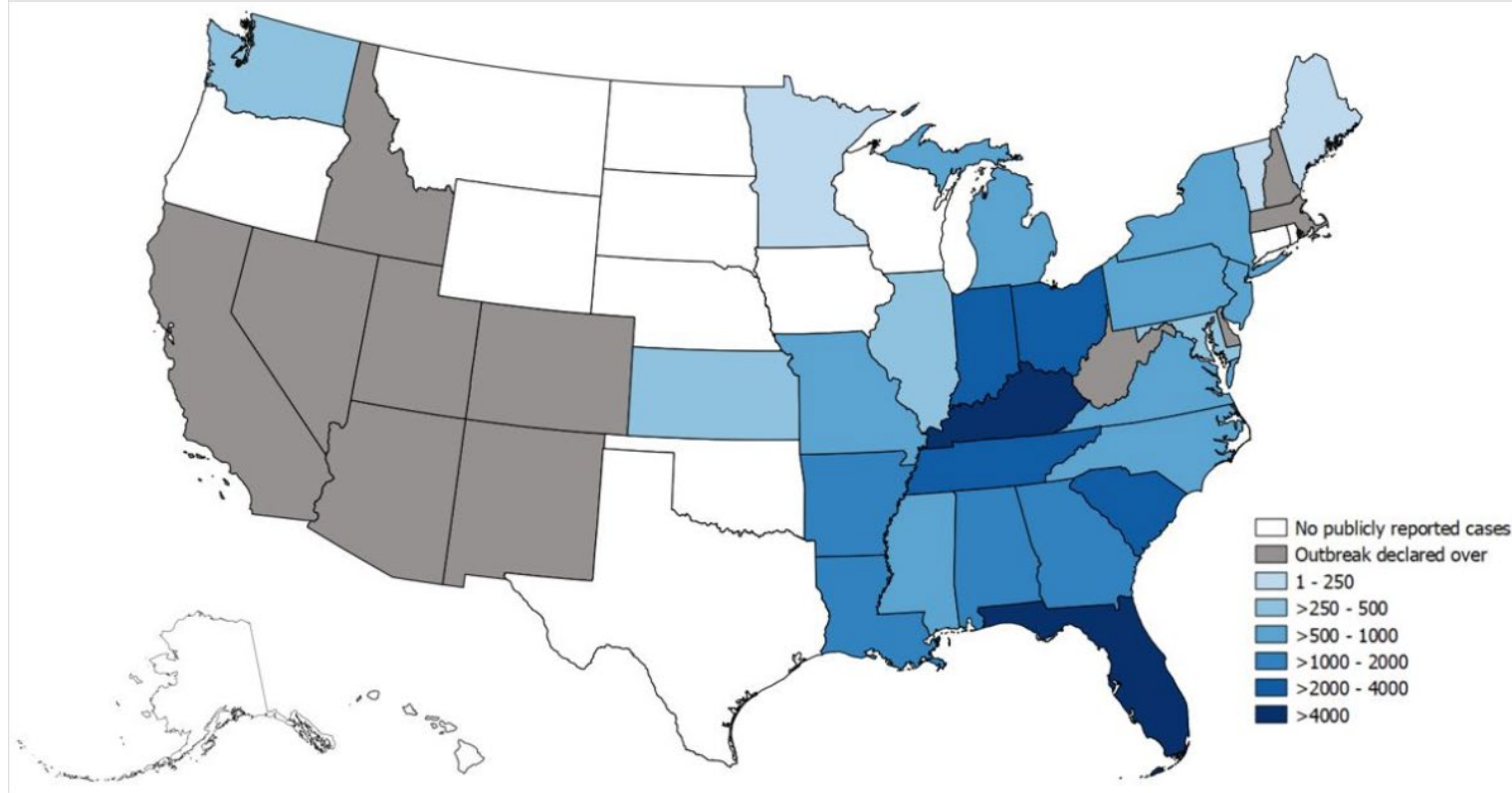
# Hepatitis A

---

- Acute liver disease caused by a picornavirus with fecal-oral spread
- Incubation period of 15-50 days
- Vaccines licensed in 1995 and 1996
  - Advisory Committee on Immunization Practices (ACIP) 2006, universal childhood vaccination
- Contacts who recently have been exposed to hepatitis A virus and who previously have not received hepatitis A vaccine should be administered a single dose of single-antigen vaccine or immune globulin (IG) (0.02 mL/kg) as soon as possible, within 2 weeks after exposure.

# Hepatitis A Outbreaks, 2016-2021

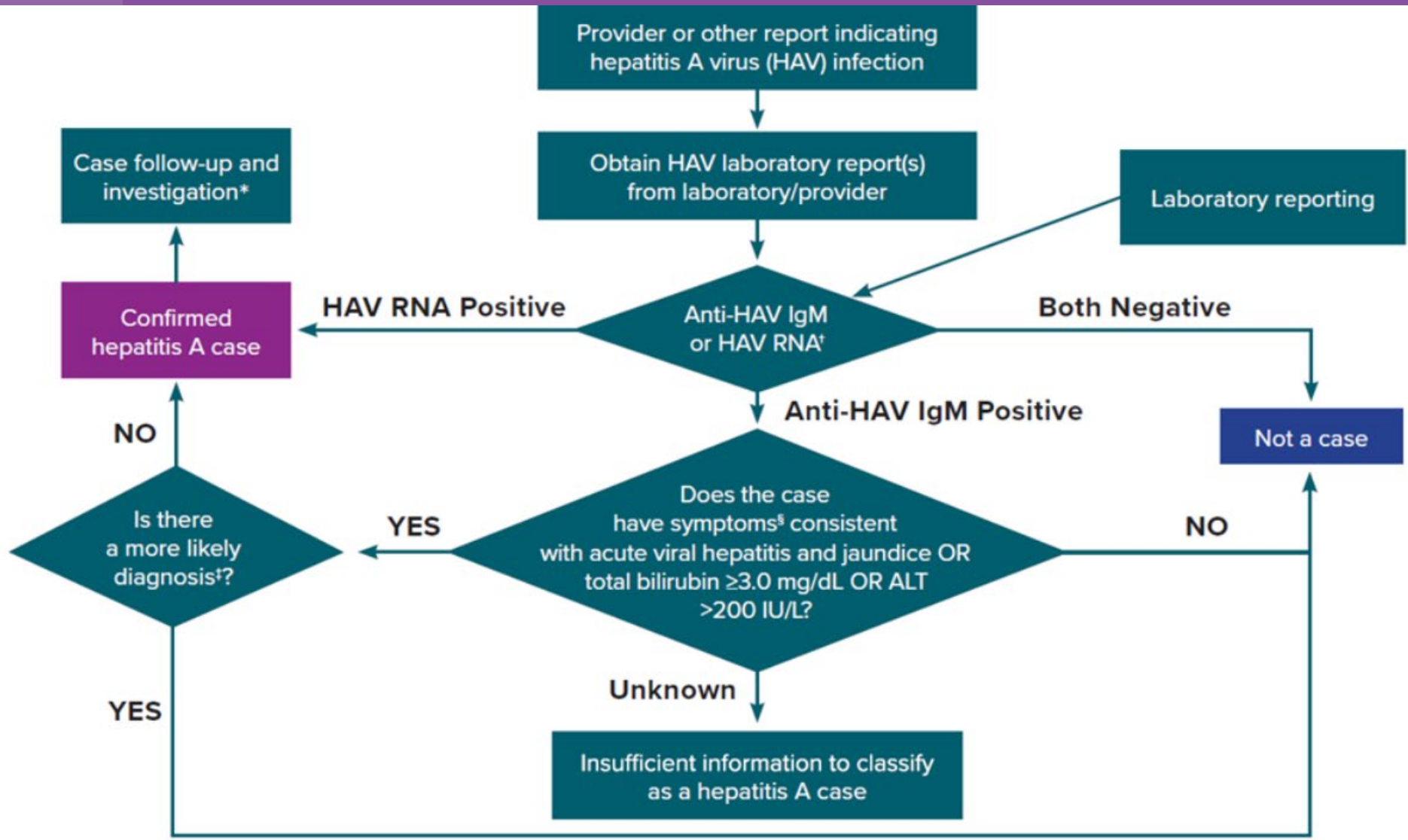
State-Reported Hepatitis A Outbreak Cases as of August 27, 2021



# Case Definition

---

- Positive IgM anti-HAV or NAAT (NOT total anti- HAV)
  - Discrete onset of acute symptoms
  - Evidence of liver dysfunction by either:
    - Jaundice or peak elevated bilirubin level  $\geq 3.0$  mg/dL OR
    - Peak elevated ALT enzymes ( $>200$  IU/L)
  - Absence of a more likely diagnosis
- \*\*\* IgM testing should not be conducted on asymptomatic individuals



# Patient 1

---

- Abdominal pain and dark urine began 08/15/2021
- Serum collected 08/18/2021, positive hepatitis A IgM
- ALT 360 IU/L
- No other likely diagnosis

# Patient 2

---

- Serum collected 08/31/2021, positive hepatitis A IgM
- Abdominal pain and dark urine beginning 08/25/2021
- ALT 570
- Physician diagnosis of acetaminophen toxicity

# Patient 3

---

- Abdominal pain and white chalky stool began 08/28/2021
- Serum collected 08/31/2021, positive total HAV, no IgM
- Bilirubin 4.0 mg/dL
- No other likely diagnosis



# Patient 4

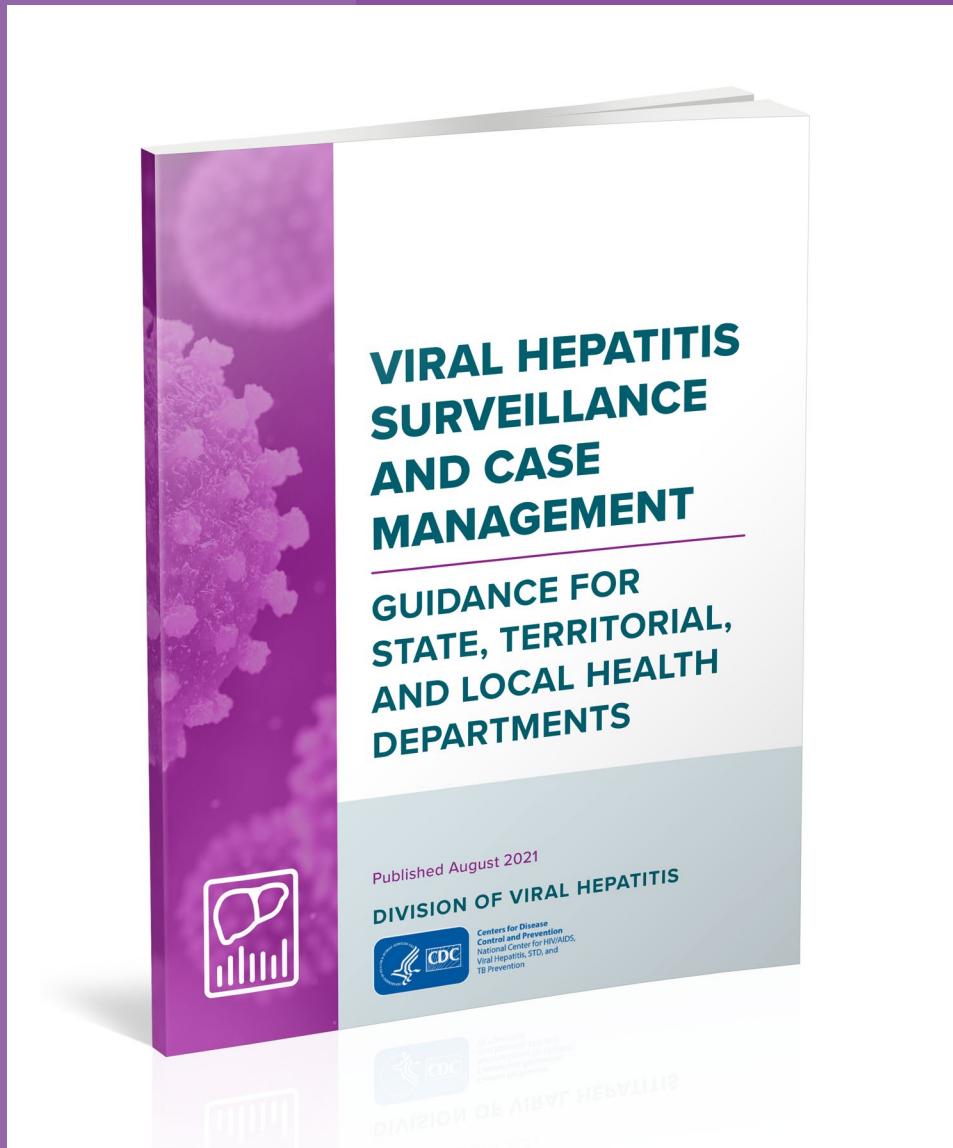
---

- Nausea and abdominal pain began 08/30/2021
- Serum collected 08/31/2021, positive total HAV, negative IgM
- No liver enzyme or bilirubin results
- No other likely diagnosis

# Hepatitis A Working Group

---

- Bernadette Albanese (Tri-County Health Department)
- Saul Ayala (Chicago Department of Public Health)
- Bree Barbeau (Utah Department of Health)
- Cassie Jones (Tennessee Department of Health)
- Julia Latash (New York City Department of Health and Mental Hygiene)
- Sarah New (California Department of Public Health)
- Robert C. Orellana (Ohio Department of Health)
- Sudha Reddy (New York City Department of Health and Mental Hygiene)



**Brandi Taylor, Epidemiologist  
Bureau of Infectious Diseases  
Ohio Department of Health  
614-586-3114  
Brandi.taylor@odh.ohio.gov**