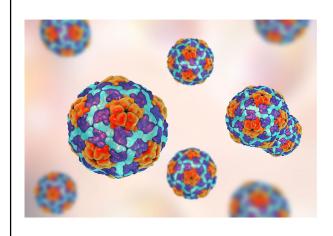


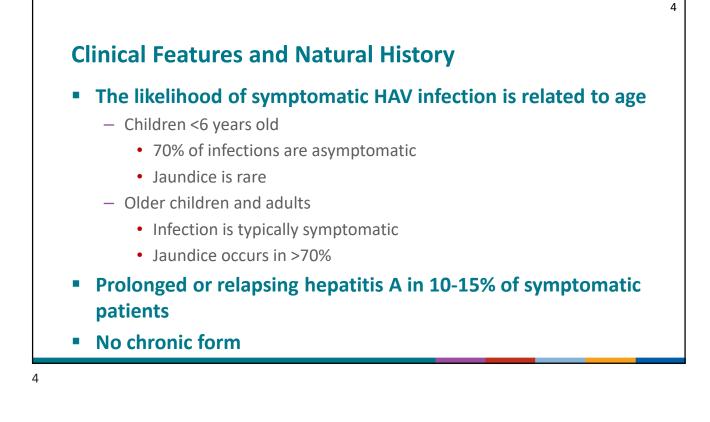
Clinical Features

Hepatitis A Virus (HAV)



3

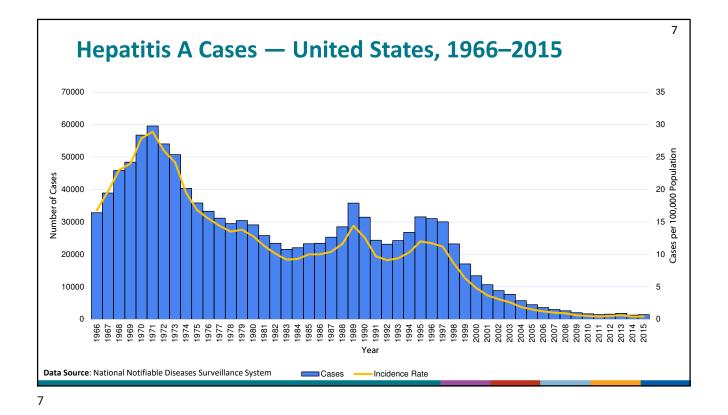
- Replicates in the liver, excreted in bile
- Acute illness
- Average incubation period: 28 days
 - Peak infectious period: 2 weeks prior to symptom onset until 1 week after jaundice onset
- Clinical manifestations: fever, headache, malaise, anorexia, nausea, vomiting, diarrhea, abdominal pain, dark urine, jaundice
- Transmission: fecal-oral

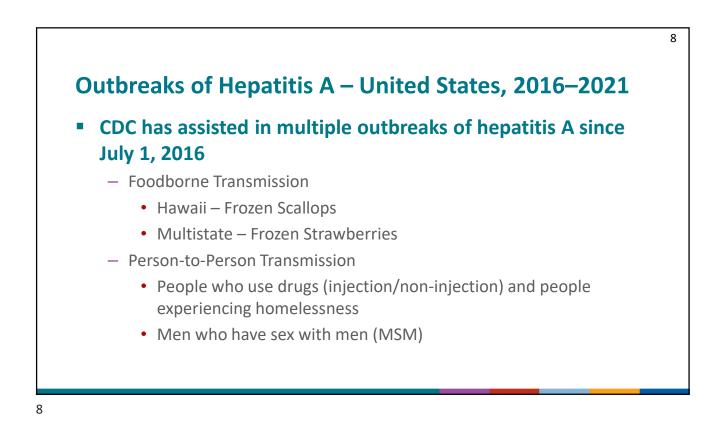


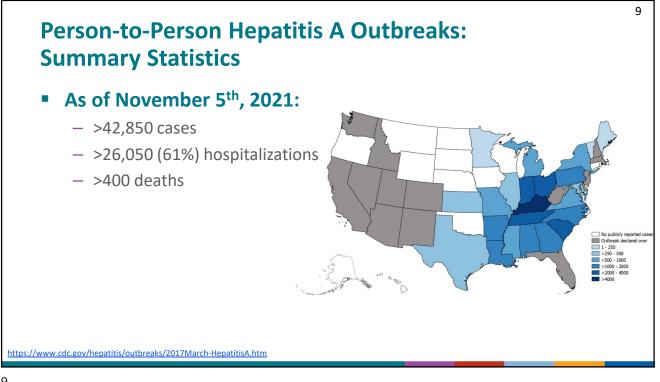
Epidemiology

<page-header> Hepatitis A Virus Endemicity in the United States The United States is considered to have very low HAV endemicity levels Cyclic increases occurred every 10–15 years The number of reported cases in the pre-vaccine era was ≥21,000 annually

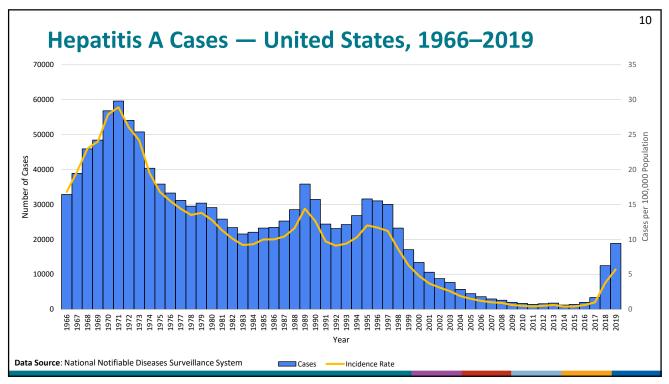
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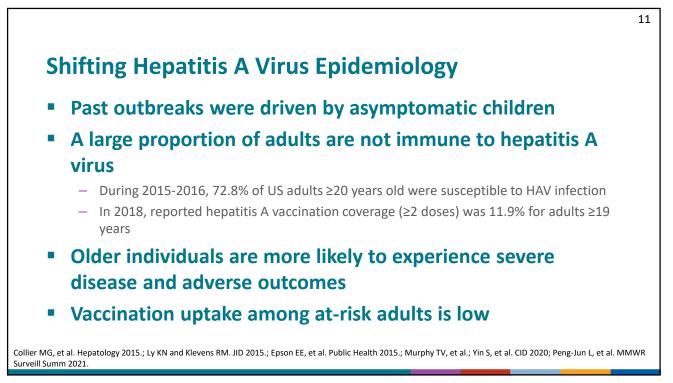




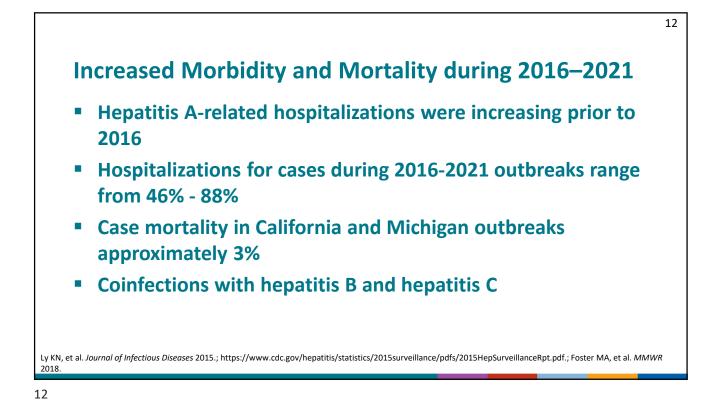


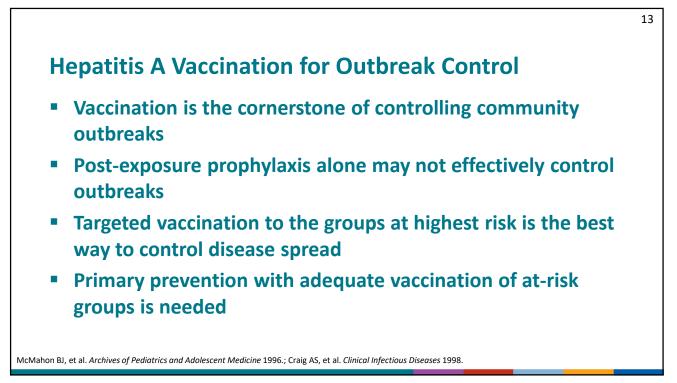


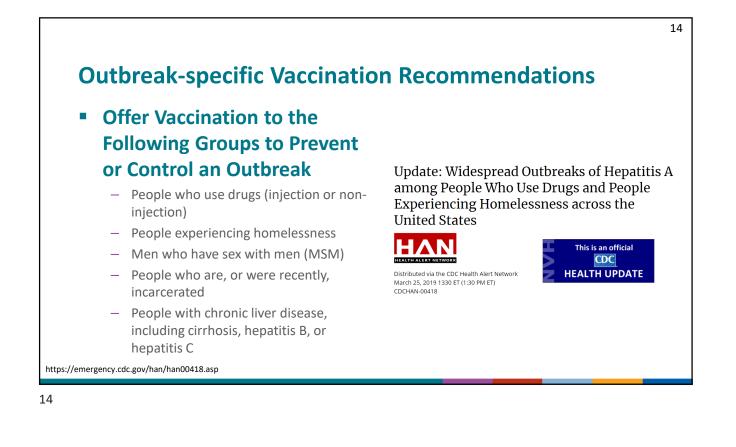
















- No systematic, national, molecular surveillance system
- Typical methods of detection
 - Routine case surveillance
 - Observations from astute health department staff or healthcare providers
 - During case interviews or contact tracing investigations
- Confirmation process can be prolonged

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When to Suspect an Outbreak: Hepatitis A Community/Person-to-Person

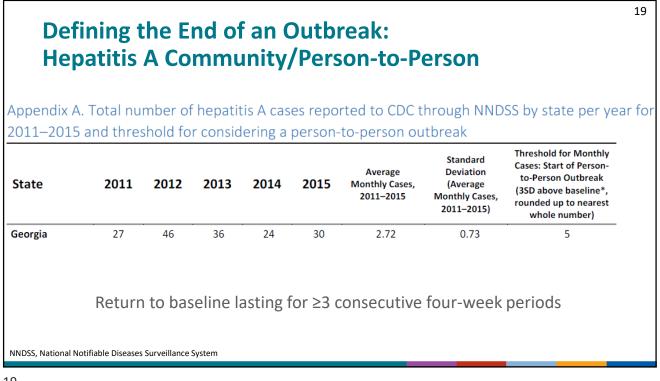
- Anytime there is an increase in reported hepatitis A cases within a jurisdiction above baseline over a 4-week period.
- Anytime two or more hepatitis A cases are reported during a 50-day time period among people from similar geographic regions with common epidemiological exposures (e.g., drug use, homelessness, men who have sex with men, time spent in the same facility [jail, substance abuse treatment, group home, etc.]).

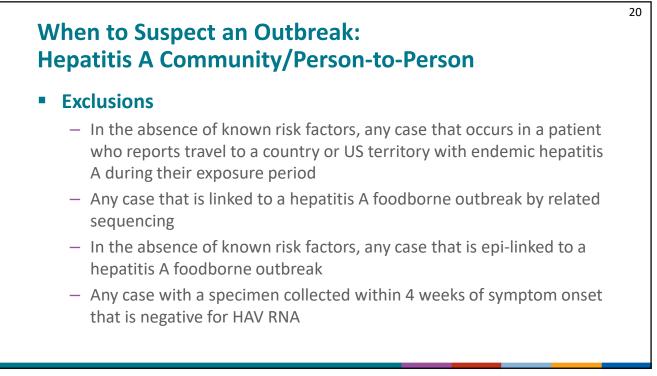
17

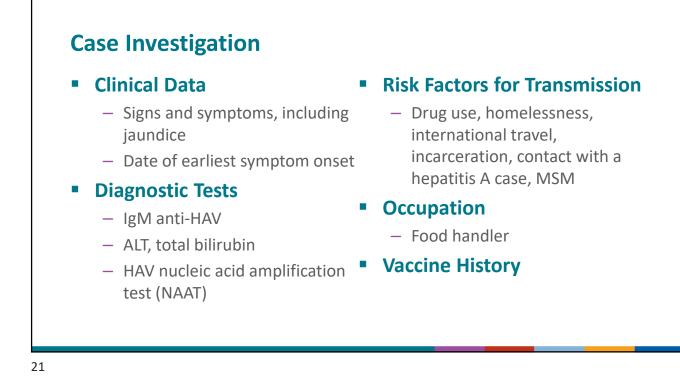
Defining an Outbreak: Hepatitis A Community/Person-to-Person

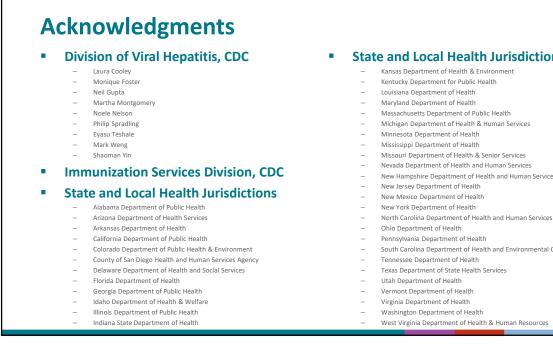
Appendix A. Total number of hepatitis A cases reported to CDC through NNDSS by state per year for 2011–2015 and threshold for considering a person-to-person outbreak

State	2011	2012	2013	2014	2015	Average Monthly Cases, 2011–2015	Standard Deviation (Average Monthly Cases, 2011–2015)	Threshold for Monthly Cases: Start of Person- to-Person Outbreak (3SD above baseline*, rounded up to nearest whole number)
Georgia	27	46	36	24	30	2.72	0.73	5
NNDSS, National No	tifiable Diseases	Surveillance	System					









State and Local Health Jurisdictions (cont.)

- Kansas Department of Health & Environment
- Kentucky Department for Public Health
- Louisiana Department of Health
- Maryland Department of Health
- Massachusetts Department of Public Health
- Michigan Department of Health & Human Services

- Nevada Department of Health and Human Services
- New Hampshire Department of Health and Human Services
- New Jersey Department of Health

- South Carolina Department of Health and Environmental Control
- Tennessee Department of Health
- Texas Department of State Health Services

CD(

Thank you.

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For more information, contact CDC 1-800-CDC-INFO (232-4636) TTY: 1-888-232-6348 www.cdc.gov

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.