

Kentucky's Hepatitis A Outbreak Update

Amanda Hunt, BSN, RN, CLC

February 21, 2019



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Dr. Jeffrey D. Howard, *Commissioner*

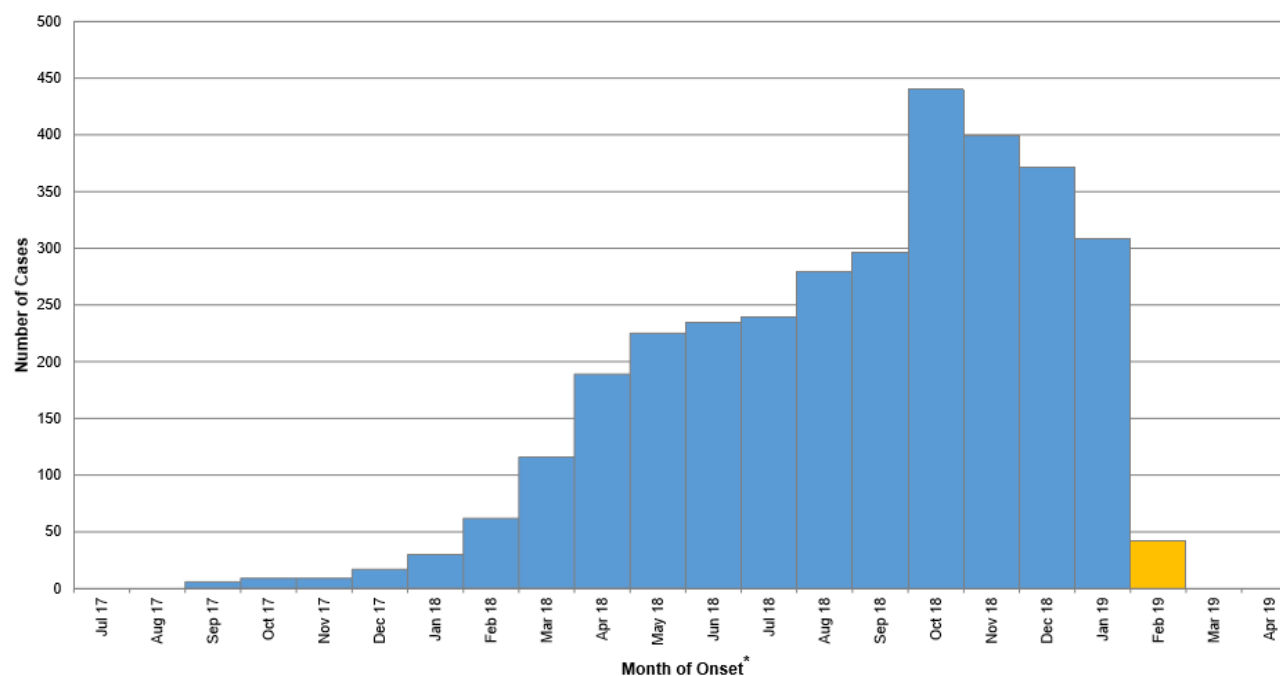
Outbreak Statistics (through 2-9-19)

- Total Cases: **4,091**
- Number of counties with cases: **103** (86% of KY counties)
- Hospitalizations: **1,982** (48%)
- Deaths: **40*** (1%)
- Median Age: **36** years, Range: **1-84**
- HAV genotype testing
 - **572** (91% of those tested) genotype IB



Outbreak Curve

KY17-089 Epi-Curve of Outbreak-Associated Cases by Month of Onset, August 1, 2017 - February 9, 2019
(Current month shown in gold - case counts are not complete)



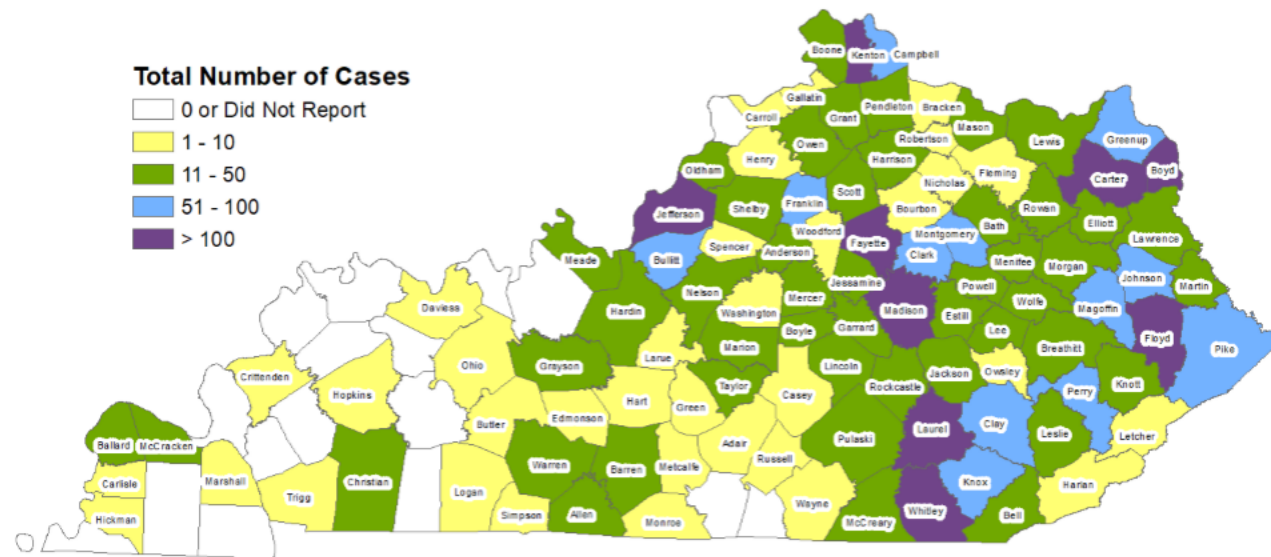
* Date of onset has been reported for 79.1% (or 3276/4091) of cases.



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County Distribution

KY17-089 Distribution of Outbreak-Associated Acute
Hepatitis A Cases by County, August 1, 2017 - February 9, 2019



n = 103 counties with outbreak-associated cases

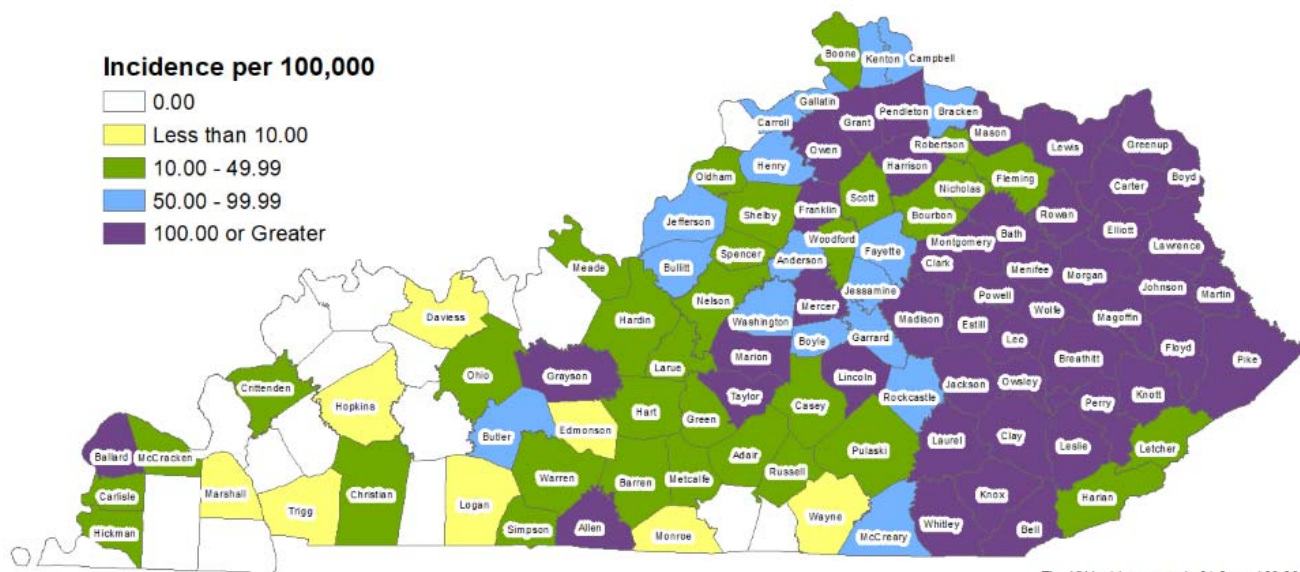
Counties where cases have not previously
been identified: None.



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Incidence Rate

KY17-089 Incidence of Outbreak-Associated Acute Hepatitis A Cases by County, August 1, 2017 - February 9, 2019

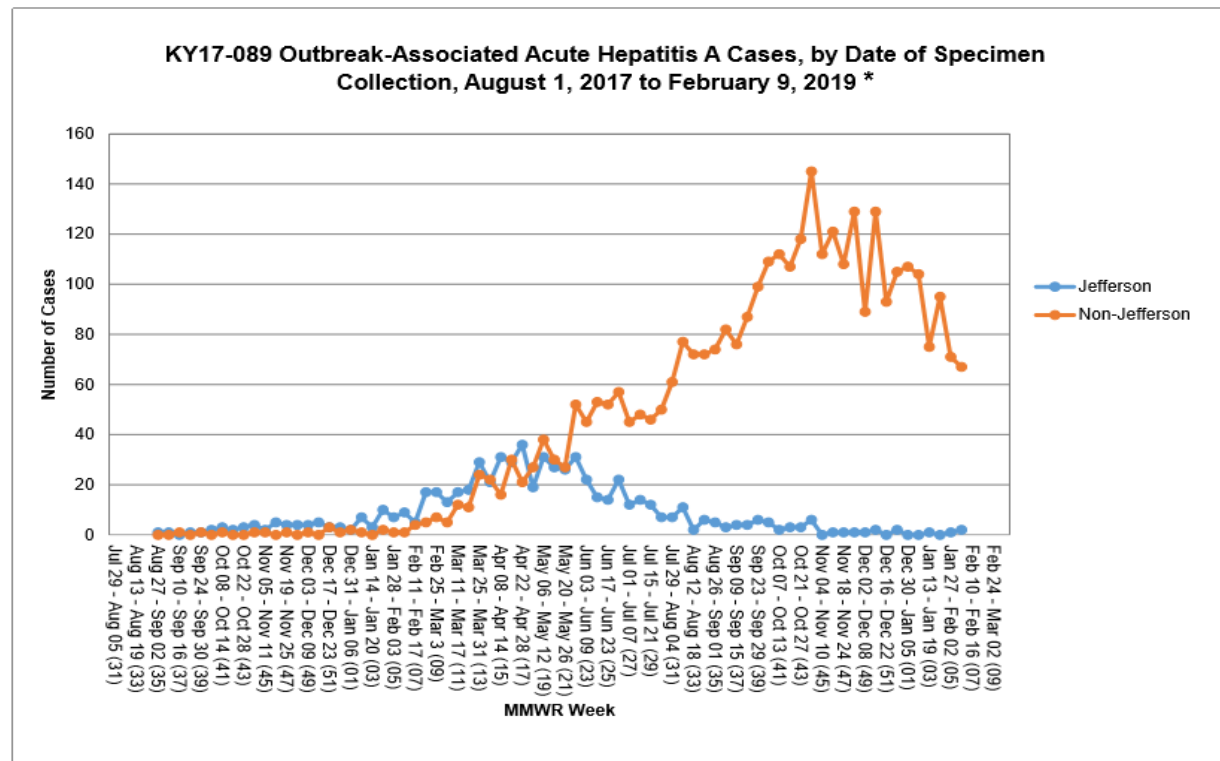


The KY incidence rate is 91.8 per 100,000.
Note: Rates calculated from numerators less than 20 may not be reliably used to determine trends.



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Jefferson County vs. Non-Jefferson County



* MMWR weeks are based on date of specimen collection.



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RISK FACTORS

KY17-089 Risk Factors of Outbreak-Associated Acute Hepatitis A Cases, August 1, 2017 – February 9, 2019 ^{#^}	
Risk Factor	Number of Cases Reporting Risk Factor (n=3316) ^{* †}
Homelessness + No/Unk Illicit Drug Use	54 (1.6%)
Illicit Drug Use + No/Unk Homelessness	2354 (71%)
Homelessness + Illicit drug use	279 (8.4%)
No Outbreak-Related Risk Factors	629 (19%)

* Risk factor information is unavailable for 775 (18.9%) of all outbreak-associated cases.

† The categories below do not add up to the total number in this count due to other possible risk factor combinations not shown in the table.

At this point in the outbreak, MSM is no longer considered an outbreak-related risk factor. Percentages in this table may have changed due to removing MSM from risk factor combinations.

^ 35 MSM cases have been reported. Of those, 11 have reported no other risk factors.



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- HAV checklist is available on Google Drive
- DPH is working on establishing nurse strike team for vaccination events at jails
- Guidance requesting continued specimen submission to DLS and encouraging vaccination of at-risk population is being sent to providers
- DLS is working on ability to perform sequencing in-house
- Vital statistics will be reviewed biweekly to confirm reported number of HAV deaths is accurate

REMEMBER

- For 317 vaccine requests or questions contact Immunization section at (502)564-4478
- All vaccines, private stock or 317, *must* be entered into the registry
- Reach out to schools and encourage compliance with vaccination regulations
- Access guidance documents on Google Drive or DPH website
- Continue to send specimens for genotyping
- Create notifications even if case not interviewed



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Contact Information

Department for Public Health

Division of Epidemiology & Health Planning

Reportable Disease Section

275 East Main Street HS2E-A

Frankfort, KY 40621

Tel: 502-564-3261

Fax: 502-564-0542

Secure fax: 502-696-3803

Amanda Hunt, BSN, RN, CLC

Ext: 4242

Jennifer Khoury, MPH

Ext: 4239

Katie Myatt, MS

Ext: 4244

When you hear the toilet flush
but no sink being used



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Acknowledgements

KDPH Outbreak Response Team

KY Local Health Departments and Staff

DPH Commissioner's Office

KY Division of Epidemiology and Health Planning Staff

KY Preparedness Branch Staff

KY Division of Public Health Protection and Safety

CHFS Communications Department

CDC, Division of Viral Hepatitis

CDC, National Immunization Program



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