Kentucky’s Hepatitis A Outbreak Update

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February 21, 2019

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
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.
County Distribution

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

Total Number of Cases
- 0 or Did Not Report
- 1 - 10
- 11 - 50
- 51 - 100
- > 100

n = 103 counties with outbreak-associated cases

Counties where cases have not previously been identified: None.
KY17-089 Incidence of Outbreak-Associated Acute Hepatitis A Cases by County, August 1, 2017 - February 9, 2019

Incidence per 100,000
- 0.00
- Less than 10.00
- 10.00 - 49.99
- 50.00 - 99.99
- 100.00 or Greater

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.
Jefferson County vs. Non-Jefferson County

KY17-089 Outbreak-Associated Acute Hepatitis A Cases, by Date of Specimen Collection, August 1, 2017 to February 9, 2019 *

* MMWR weeks are based on date of specimen collection.
## Risk Factors

KY17-089 Risk Factors of Outbreak-Associated Acute Hepatitis A Cases, August 1, 2017 – February 9, 2019#^

<table>
<thead>
<tr>
<th>Risk Factor</th>
<th>Number of Cases Reporting Risk Factor (n=3316)* †</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homelessness + No/Unk Illicit Drug Use</td>
<td>54 (1.6%)</td>
</tr>
<tr>
<td>Illicit Drug Use + No/Unk Homelessness</td>
<td>2354 (71%)</td>
</tr>
<tr>
<td>Homelessness + Illicit drug use</td>
<td>279 (8.4%)</td>
</tr>
<tr>
<td>No Outbreak-Related Risk Factors</td>
<td>629 (19%)</td>
</tr>
</tbody>
</table>

* 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.
• 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
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
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Acknowledgements

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KY Preparedness Branch Staff
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CHFS Communications Department
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CDC, National Immunization Program